CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: August 4, 2014

REFERENCE NO.: 017360

PROJECT NAME: Former Grand Rapids Metal Plant

TO: Ms. Darlene Stringer
MDEQ RRD – Grand Rapids District
350 Ottawa Avenue NW
Unit 10
Grand Rapids, Michigan 49503-2341

Please find enclosed:

- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:

- ☐ Mail
- ☒ Overnight Courier
- ☐ Same Day Courier
- ☐ Other

QUANTITY	DESCRIPTION
2	Data Package – 2014 Bulk Unload Area Off-Site Investigation and Spring 2014 Semi-Annual Groundwater Monitoring Report, Former Grand Rapids Metal Plant, Wyoming, Michigan (hard copies)
1	Data Package – 2014 Bulk Unload Area Off-Site Investigation and Spring 2014 Semi-Annual Groundwater Monitoring Report, Former Grand Rapids Metal Plant, Wyoming, Michigan (electronic copy on CD)

- ☐ As Requested
- ☒ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:

Copy to: David Favero, RACER Trust (w/o encl.)

Completed by: Jeni Quigley [Please Print] Signed: Jeni Quigley

Filing: **Correspondence File**

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MEMORANDUM

TO:	Darlene Stringer, MDEQ Matt Gamble, MDEQ	REF. NO.:	017360-T02Y14
FROM:	Jeni Quigley/jq/72/Pwl.	DATE:	August 4, 2014
CC:	David Favero, RACER		
RE:	**Data Package - 2014 Bulk Unload Area Off-Site Investigation and Spring 2014 Semi-Annual Groundwater Monitoring Report Former Grand Rapids Metal Plant Wyoming, Michigan**		

Conestoga-Rovers & Associates (CRA), on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, conducted soil and groundwater investigation activities at the former Grand Rapids Metal Plant property located at 300 36th Street SW in Wyoming, Michigan (Site). The scope of work (SOW) consisted of soil boring advancement and soil sampling on the railroad property operated by Grand Elk Railroad adjacent to the Bulk Unload Area. The protocols utilized during the implementation of the April 14, 2014 SOW were described in the Site-Wide Investigation Work Plan (Work Plan), submitted to the MDEQ on January 7, 2011. Additionally, the Spring 2014 Semi-Annual Groundwater Monitoring activities were completed in conjunction with the off-Site Bulk Unload Area Investigation. The samples were collected during the field investigation conducted between April 14, 2014 and April 23, 2014. Sampling was conducted in accordance with the 2005 Groundwater Monitoring Work Plan submitted on April 12, 2005 to the Michigan Department of Environmental Quality (MDEQ) and verbally approved on April 28, 2005. This memorandum (Memorandum) has been prepared to present the "Data Package" summarizing the data collected during off-Site investigation field activities and the results of the Spring 2014 Semi-Annual Groundwater Monitoring activities.

Spring 2014 Monitoring Activities

The SOW for the semi-annual groundwater monitoring program conducted at the Site includes: the collection and analysis of groundwater/surface water samples for Target Compound List (TCL) volatile organic compounds (VOCs) from monitoring wells and culvert locations; the collection and analysis of groundwater samples for TCL semi-volatile organic compounds (SVOCs) from monitoring wells 85-6, MW44-12, MW45-12, MW46-12, MW50-12, MW51-12, and MW52-12; the collection and analysis of groundwater samples for Site-specific Target Analyte List (TAL) metals from monitoring wells 85-1, MW31-12, MW33-12, MW34-12, MW37-12, MW38-12, MW39-12, MW44-12, MW45-12, and MW46-12; the measurement of static groundwater levels in all monitoring wells; and the monitoring for the potential presence of and measurement of light non-aqueous phase liquid (LNAPL) levels, if present, in select Site monitoring wells 85-6, MW44-12, MW45-12, MW46-12, MW50-12, MW51-12, and MW52-12.

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A total of 63 groundwater samples, including quality assurance/quality control (QA/QC) samples, were collected from 56 monitoring wells. A total of three surface water samples were collected from culvert locations C-1, C-2, and C-3. All samples were collected between April 14, 2014 and April 23, 2014 for analysis of TCL VOCs, TCL SVOCs, and/or TAL metals, for monitoring wells identified above. Table 1 presents a summary of the samples collected during the Spring 2014 semi-annual sampling event.

Dedicated ¼-inch diameter polyethylene tubing is utilized in each of the wells to be sampled. The bottom intake of the tubing was set in the middle of the screened interval for each of the wells. All wells were purged with a peristaltic pump using low-flow purge (LFP) techniques. Wells were purged between 100 and 200 mL per minute with continuous monitoring to confirm less than 0.3 feet of drawdown of the water level. Groundwater quality measurements were recorded in consecutive timed intervals using a YSI® water quality meter and HACH® turbidity meter. Groundwater quality parameters included pH, specific conductivity, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity. Upon groundwater stabilization, based on three consecutive similar readings, groundwater samples were collected.

Water samples collected from the culvert locations C-1, C-2 and C-3 were collected using a new disposable polyethylene sampling bottle in each location.

Groundwater Elevations and LNAPL

Prior to groundwater sample collection, static water levels were measured and recorded for the monitoring wells. Well caps were unlocked and removed allowing the water levels in the wells to stabilize. Static water levels and LNAPL levels, if present, were measured relative to the top of each riser. Table 2 presents static water levels for April 14, 2014. Figure 1 presents the approximate groundwater flow direction for April 14, 2014. Based on the review of measured groundwater elevations before and after building demolition and slab removal, no significant changes in groundwater levels beneath the former building have occurred.

No measurable thickness of LNAPL was detected in monitoring wells 85-6, MW44-12, MW45-12, MW46-12, MW50-12, MW51-12, or MW52-12. Sheen has historically been observed in monitoring wells in this area, however, no sheen was observed in any of the monitoring wells during this event.

Soil Investigation Activities

Field activities included the advancement of soil borings and the collection of soil samples for chemical analysis to evaluate potential off-Site impacts on the railroad property adjoining to the west of AOI 27 - Bulk Unload Area.

Several investigations have been conducted in the Bulk Unload area between 2005 and 2013 to evaluate the nature and extent of metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and TCL VOCs identified in soil at concentrations above the Michigan Act 451, Part 201 Generic Non-Residential Cleanup Criteria (GNRCC), including the area adjacent to the western Site boundary. In order to evaluate the potential for off-Site soil impacts on the adjoining railroad property to the west of the Bulk Unload Area, 14 soil borings (SB310-14 thru SB323-14) were advanced to a depth of 10 feet (ft.) below

ground surface (bgs). Soil samples were collected in 2-foot intervals for laboratory analysis of TCL VOCs, PCBs, PAHs, and Site-specific TAL metals.

Figure 2 presents the sample locations for the off-Site Investigation. Table 1 presents a sample summary. Stratigraphic soil boring logs and monitoring well construction details are included in Attachment A.

Analytical Results

Analytical results for the soil and groundwater samples were evaluated against the Generic Residential and Non-Residential Cleanup Criteria and Screening Levels established in Part 7 of Administrative Rules, effective December 30, 2013, pursuant to Part 201, Environmental Remediation, 1994 PA 451, as amended. In addition, analytical results for PCBs were evaluated against the High and Low Occupancy Area Cleanup Levels of 1 part per million (ppm) and 10 ppm for bulk remediation waste set forth in the Toxic Substances Control Act (TSCA). Analytical results for soil and groundwater compared to the aforementioned criteria are presented in Tables 3 and 4, respectively. Analytical results for surface water samples collected are presented in Table 5.

Figure 3 presents the current and historical soil sample TCL VOC and PAH analytical results compared to Part 201 Criteria for the off-Site railroad and Bulk Unload areas. Figure 4 presents soil sample Site-specific TAL metals analytical results compared to Part 201 Criteria for the off-Site railroad and Bulk Unload areas. Figure 5 presents soil sample PCB analytical results compared to Part 201 and TSCA Criteria for the off-Site railroad and Bulk Unload areas. Figure 6 presents exceedances of Part 201 criteria in groundwater samples collected during the semi-annual monitoring event.

A QA/QC data validation was conducted on the analytical data. Copies of analytical data and data validation memorandum summarizing the results of the data validation are presented in Attachment B and Attachment C, respectively. Estimated concentrations and rejected data are identified in the tables of each memo which include qualifications due to contamination in the laboratory method blank, surrogate recoveries outside the laboratory control limits, laboratory control sample recovery, matrix spike/matrix spike duplicate percent recovery and relative percent difference, and field duplicate variability. Based on the review of the data validation memorandum, the data produced by ALS-MI were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted in the tables in the data validation memoranda.

Analysis of soil samples collected from borings SB312-14, SB315-14, and SB316-14 advanced on the railroad property adjacent to the Bulk Unload Area exhibited concentrations of PAHs above Part 201 Non-Residential Direct Contact Criteria and PCBs above TSCA High Occupancy (1 ppm) criteria. Additionally, several metals, PAHs, and TCL VOCs were detected in numerous locations above Residential and Non-Residential Drinking Water and Groundwater-Surface Water Interface Criteria.

Analytical results for groundwater samples are generally consistent with concentrations and constituents identified during previous monitoring events, with the exception that concentrations of TCE in the former degreaser source area have increased from pre-Main Manufacturing Building slab removal concentrations (i.e., prior to 2012). The detected concentrations only exceed the Part 201 Residential and Non-Residential

Drinking Water Criteria. Also, the sample collected from MW52-12 contained a concentration of pentachlorophenol that exceeds the Groundwater-Surface Water Interface Criteria.

PCE and TCE were detected in culvert samples, at concentrations consistent with historical monitoring events.

Conclusions and Future Work

The subsurface soil contamination in the Bulk Unload Area on-Site has been delineated and characterized for waste disposal. No additional investigation or waste characterization sampling is anticipated. However, more data evaluation and potentially more investigation of subsurface soils on the adjacent railroad property are currently being assessed through coordination with Grand Elk Railroad, Inc. and the MDEQ.

Proposed changes to the routine semi-annual groundwater monitoring program were submitted in a memorandum to the MDEQ on June 3, 2014. The proposed changes are currently under review by the MDEQ.

Two galvanized steel monitoring wells, 87-11 and 85-6, were each abandoned and replaced with new PVC wells, MW59-14 and MW60-14, respectively, on June 18, 2014. A groundwater sample was collected from each of the new monitoring wells and submitted to the analytical laboratory for analysis of Site-specific TAL metals on June 30, 2014. Additionally, a groundwater sample was collected from MW52-12 for analysis of pentachlorophenol in order to confirm the detection of this compound in a sample collected from this well during the April 2014 sampling event. The results of the aforementioned groundwater samples are currently undergoing data validation and will be presented in a future memorandum.

Please contact David Favero at (217) 741-6235 or Jeni Quigley at (269) 685-5181 with any questions regarding this Memorandum or the enclosed information.

List of Figures

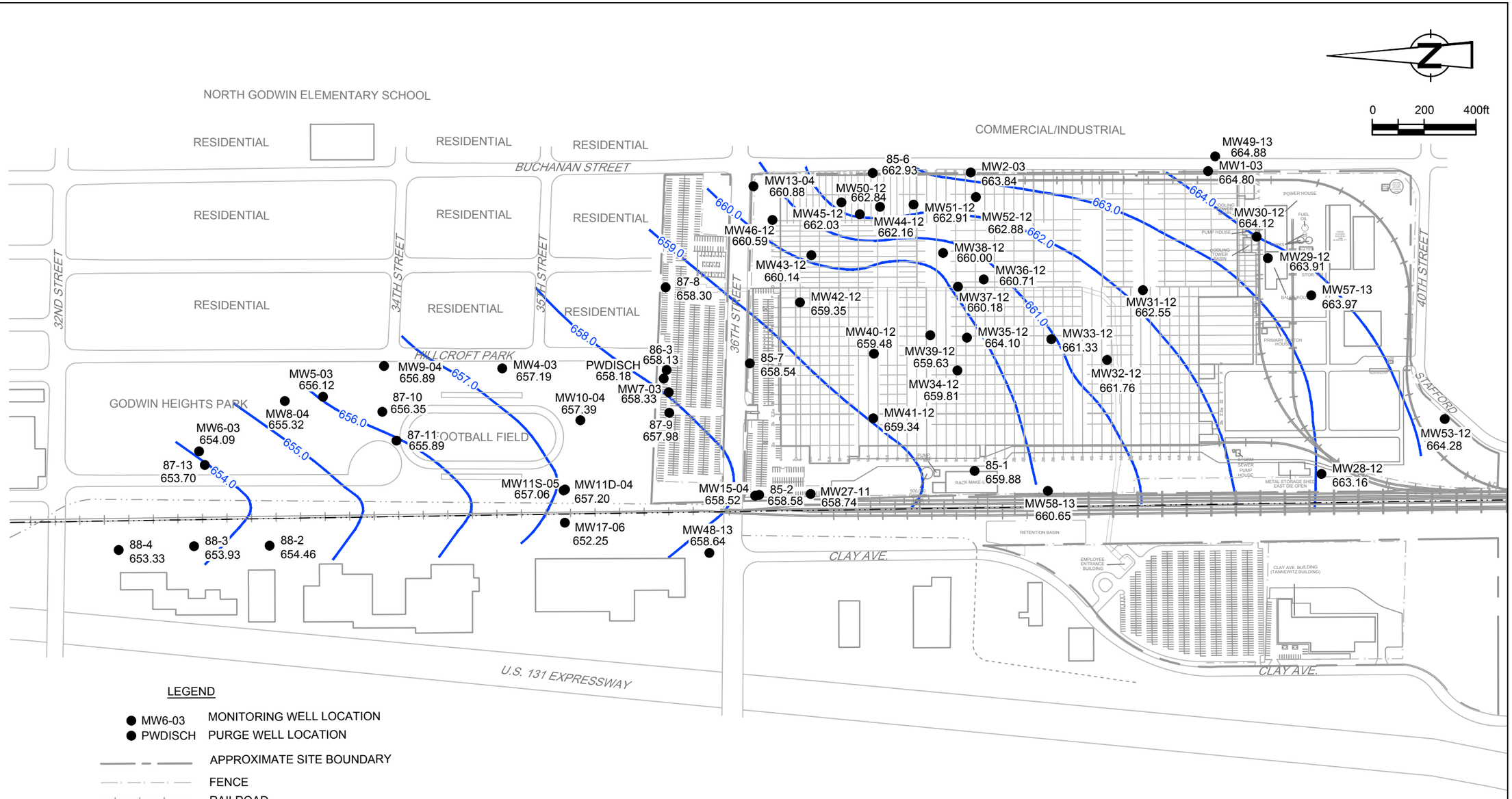
Figure 1	Groundwater Contours – April 2014
Figure 2	Sample Locations
Figure 3	VOCs and SVOCs in Soil Samples Compared to Part 201 Criteria – Bulk Unload Area
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List of Tables

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Table 2	Groundwater Elevation Data
Table 3	Summary of Analytical Results for Soil Samples
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List of Attachments

Attachment A	Stratigraphic Soil Boring Logs
Attachment B	Analytical Laboratory Data
Attachment C	Data Validation Memoranda



LEGEND

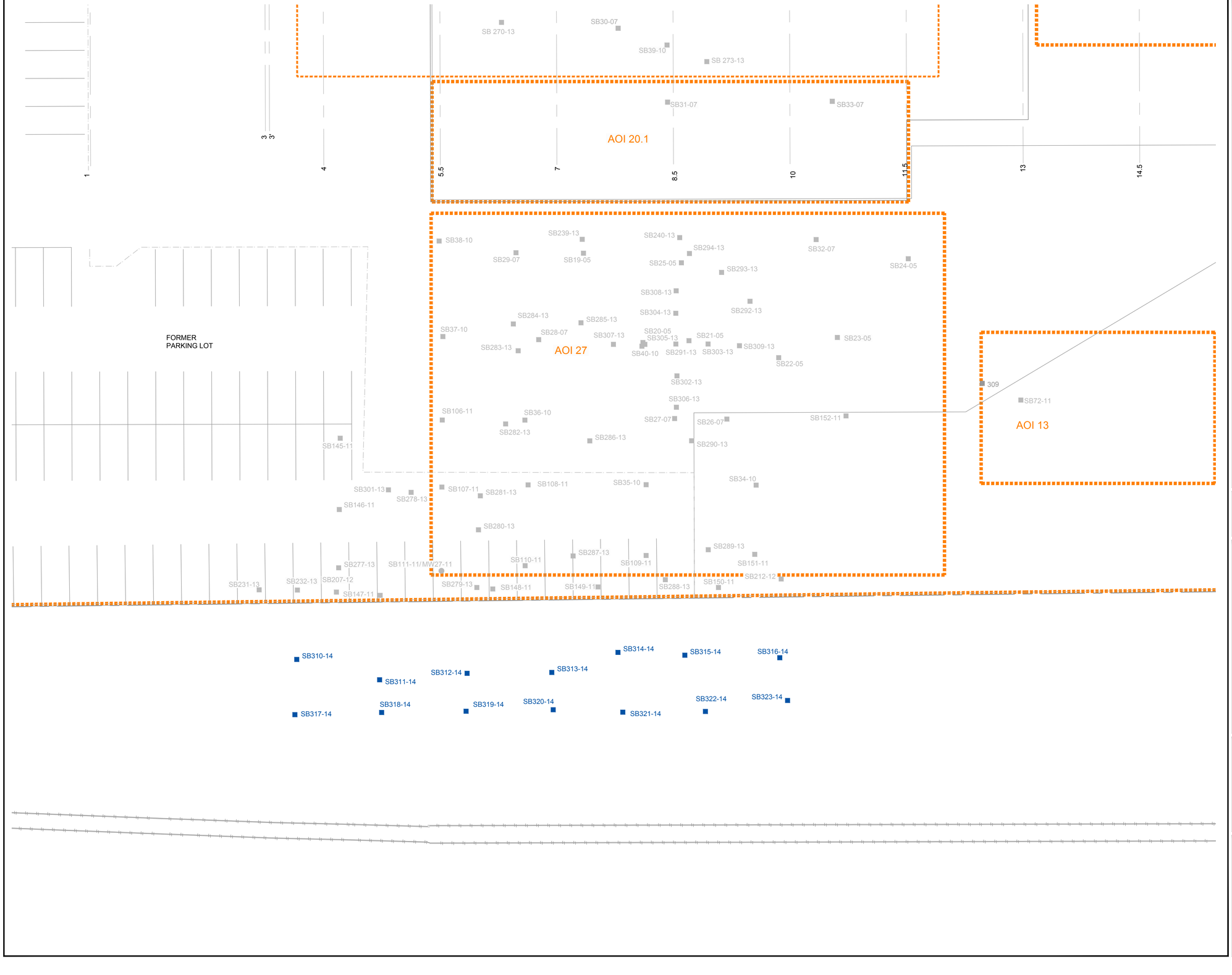
- MW6-03 — MONITORING WELL LOCATION
- PWDISCH — PURGE WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- COLE DRAIN
- 657.0 — GROUNDWATER ELEVATION CONTOUR
- 654.09 — GROUNDWATER ELEVATION MEASURED APRIL 2014

figure 1

GROUNDWATER CONTOURS - APRIL 2014
SEMI-ANNUAL GROUNDWATER MONITORING
FORMER GRAND RAPIDS METAL PLANT
Wyoming, Michigan

CRA

017360-T05(MEMO072)GN-DE001 JUN 20/2014



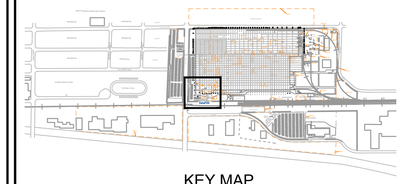
NO	Revision	Date	Initial

0 15ft

LEGEND

- SB295-13 SOIL BORING LOCATIONS
- TW20-2 HISTORICAL SAMPLE LOCATION
- MW6-03 HISTORICAL MONITORING WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI

NOTE: SEE TABLE OF ANALYTICAL RESULTS FOR PART 201 CRITERIA.



KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS		
Status	Date	Initial

SAMPLE LOCATIONS

BULK UNLOAD AND RAILROAD AREAS

FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
J.Q.	E.B.	JUNE 2014	
Scale: 1:15	Project Nº: 017360-T05	Report Nº: MEMO072	Drawing Nº: Figure 2

017360-T05(MEMO072)GN-DE006 JUN 20/2014

Nº	Revision	Date	Initial

0 15ft

LEGEND

- SB295-13 SOIL BORING LOCATIONS
- TW20-2 HISTORICAL SAMPLE LOCATION
- MW6-03 HISTORICAL MONITORING WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI

SAMPLE ID — MW52-12 — 4/22/2014 (16.7-26.7) ft BGS — DATE / DEPTH / UNITS

SVOCs	
Pentachlorophenol	200 U/61 J (ABC)
VOCs	
Benzene	0.37 J/0.37 J
Tetrachloroethene	1.0 U/1.0 U
Trichloroethene	1.0 U/1.0 U
Vinyl chloride	1.0 U/1.0 U

RESULTS

KEY MAP

SCALE VERIFICATION

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Approved

DRAWING STATUS

Status	Date	Initial

VOCs AND SVOCs IN SOIL SAMPLES COMPARED TO PART 201 CRITERIA

BULK UNLOAD AND RAILROAD AREAS

FORMER GRAND RAPIDS METAL PLANT WYOMING, MICHIGAN

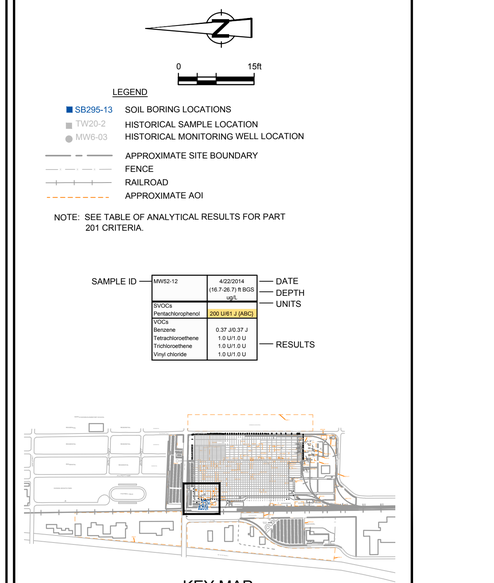
CONESTOGA-ROVERS & ASSOCIATES

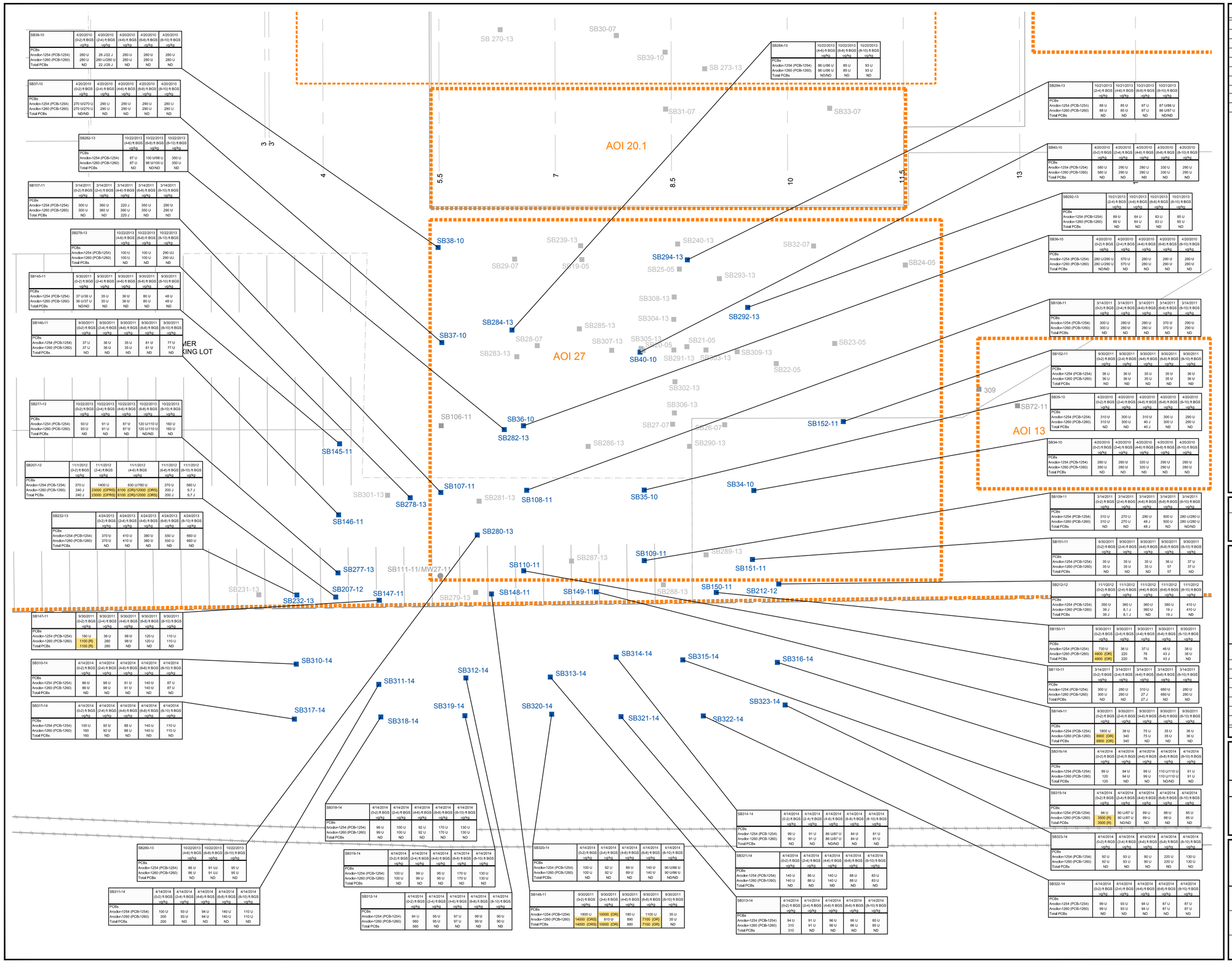
Source Reference:

Project Manager:	Reviewed By:	Date:	
J.Q.	E.B.	MAY 2014	
Scale: 1:15	Project Nº: 017360-T05	Report Nº: MEMO072	Drawing Nº: Figure 3

017360-T05(MEMO072)GN-DE005 JUN 20/2014

Nº	Revision	Date	Initial





SB38-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	280 U	28 J/22 J	280 U	280 U	280 U
Aroclor-1260 (PCB-1260)	280 U	280 U/280 U	280 U	280 U	280 U
Total PCBs	ND	22 J/28 J	ND	ND	ND

SB37-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	270 U/270 U	290 U	290 U	290 U	280 U
Aroclor-1260 (PCB-1260)	270 U/270 U	290 U	290 U	290 U	280 U
Total PCBs	ND/ND	ND	ND	ND	ND

SB282-13	10/22/2013 (4-6) ft BGS ug/kg	10/22/2013 (6-8) ft BGS ug/kg	10/22/2013 (8-10) ft BGS ug/kg
PCBs			
Aroclor-1254 (PCB-1254)	87 U	100 U/98 U	350 U
Aroclor-1260 (PCB-1260)	87 U	98 U/100 U	350 U
Total PCBs	ND	ND/ND	ND

SB157-11	3/14/2011 (0-2) ft BGS ug/kg	3/14/2011 (2-4) ft BGS ug/kg	3/14/2011 (4-6) ft BGS ug/kg	3/14/2011 (6-8) ft BGS ug/kg	3/14/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	300 U	360 U	220 J	350 U	290 U
Aroclor-1260 (PCB-1260)	300 U	360 U	390 U	350 U	290 U
Total PCBs	ND	ND	220 J	ND	ND

SB278-13	10/22/2013 (4-6) ft BGS ug/kg	10/22/2013 (6-8) ft BGS ug/kg	10/22/2013 (8-10) ft BGS ug/kg
PCBs			
Aroclor-1254 (PCB-1254)	100 U	100 U	290 U
Aroclor-1260 (PCB-1260)	100 U	100 U	290 U
Total PCBs	ND	ND	ND

SB145-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	37 U/36 U	35 U	36 U	80 U	48 U
Aroclor-1260 (PCB-1260)	36 U/37 U	35 U	36 U	80 U	48 U
Total PCBs	ND/ND	ND	ND	ND	ND

SB146-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	37 U	36 U	35 U	81 U	77 U
Aroclor-1260 (PCB-1260)	37 U	36 U	35 U	81 U	77 U
Total PCBs	ND	ND	ND	ND	ND

SB277-13	10/22/2013 (0-2) ft BGS ug/kg	10/22/2013 (2-4) ft BGS ug/kg	10/22/2013 (4-6) ft BGS ug/kg	10/22/2013 (6-8) ft BGS ug/kg	10/22/2013 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	93 U	91 U	87 U	120 U/110 U	160 U
Aroclor-1260 (PCB-1260)	93 U	91 U	87 U	120 U/110 U	160 U
Total PCBs	ND	ND	ND	ND/ND	ND

SB207-12	11/1/2012 (0-2) ft BGS ug/kg	11/1/2012 (2-4) ft BGS ug/kg	11/1/2012 (4-6) ft BGS ug/kg	11/1/2012 (6-8) ft BGS ug/kg	11/1/2012 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	370 U	1400 U	630 U/780 U	370 U	580 U
Aroclor-1260 (PCB-1260)	240 J	23000 (OPRS)	6100 (OR)/12000 (ORS)	200 J	9.7 J
Total PCBs	240 J	23000 (OPRS)	6100 (OR)/12000 (ORS)	200 J	9.7 J

SB232-13	4/24/2013 (0-2) ft BGS ug/kg	4/24/2013 (2-4) ft BGS ug/kg	4/24/2013 (4-6) ft BGS ug/kg	4/24/2013 (6-8) ft BGS ug/kg	4/24/2013 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	370 U	410 U	380 U	550 U	660 U
Aroclor-1260 (PCB-1260)	370 U	410 U	380 U	550 U	660 U
Total PCBs	ND	ND	ND	ND	ND

SB147-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	180 U	36 U	98 U	120 U	110 U
Aroclor-1260 (PCB-1260)	1100 (R)	280	98 U	120 U	110 U
Total PCBs	1100 (R)	280	ND	ND	ND

SB310-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	86 U	98 U	91 U	140 U	87 U
Aroclor-1260 (PCB-1260)	86 U	98 U	91 U	140 U	87 U
Total PCBs	ND	ND	ND	ND	ND

SB317-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	100 U	92 U	88 U	140 U	110 U
Aroclor-1260 (PCB-1260)	160	92 U	88 U	140 U	110 U
Total PCBs	160	ND	ND	ND	ND

SB318-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	99 U	100 U	92 U	170 U	130 U
Aroclor-1260 (PCB-1260)	99 U	100 U	92 U	170 U	130 U
Total PCBs	ND	ND	ND	ND	ND

SB280-13	10/22/2013 (4-6) ft BGS ug/kg	10/22/2013 (6-8) ft BGS ug/kg	10/22/2013 (8-10) ft BGS ug/kg
PCBs			
Aroclor-1254 (PCB-1254)	86 U	91 U/ U	95 U
Aroclor-1260 (PCB-1260)	86 U	91 U/ U	95 U
Total PCBs	ND	ND	ND

SB319-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	100 U	99 U	95 U	170 U	130 U
Aroclor-1260 (PCB-1260)	100 U	99 U	95 U	170 U	130 U
Total PCBs	ND	ND	ND	ND	ND

SB311-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	100 U	93 U	94 U	140 U	110 U
Aroclor-1260 (PCB-1260)	200	93 U	94 U	140 U	110 U
Total PCBs	200	ND	ND	ND	ND

SB312-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	94 U	95 U	97 U	99 U	90 U
Aroclor-1260 (PCB-1260)	560	95 U	97 U	99 U	90 U
Total PCBs	560	ND	ND	ND	ND

SB320-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	100 U	92 U	89 U	140 U	90 U/86 U
Aroclor-1260 (PCB-1260)	100 U	92 U	89 U	140 U	90 U/86 U
Total PCBs	ND	ND	ND	ND	ND/ND

SB148-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	1800 U	10000 (OR)	180 U	1100 U	35 U
Aroclor-1260 (PCB-1260)	14000 (ORS)	810 U	890	7100 (OR)	35 U
Total PCBs	14000 (ORS)	10000 (OR)	890	7100 (OR)	ND

SB314-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	99 U	91 U	86 U/87 U	84 U	81 U
Aroclor-1260 (PCB-1260)	99 U	91 U	86 U/87 U	84 U	81 U
Total PCBs	ND	ND	ND/ND	ND	ND

SB321-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	140 U	86 U	140 U	88 U	83 U
Aroclor-1260 (PCB-1260)	140 U	86 U	140 U	88 U	83 U
Total PCBs	ND	ND	ND	ND	ND

SB313-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	94 U	91 U	96 U	86 U	85 U
Aroclor-1260 (PCB-1260)	310	ND	ND	86 U	85 U
Total PCBs	310	ND	ND	ND	ND

SB284-13	10/22/2013 (4-6) ft BGS ug/kg	10/22/2013 (6-8) ft BGS ug/kg	10/22/2013 (8-10) ft BGS ug/kg
PCBs			
Aroclor-1254 (PCB-1254)	86 U/86 U	85 U	93 U
Aroclor-1260 (PCB-1260)	86 U/86 U	85 U	93 U
Total PCBs	NO/NO	ND	ND

SB294-13	10/21/2013 (2-4) ft BGS ug/kg	10/21/2013 (4-6) ft BGS ug/kg	10/21/2013 (6-8) ft BGS ug/kg	10/21/2013 (8-10) ft BGS ug/kg
PCBs				
Aroclor-1254 (PCB-1254)	88 U	85 U	87 U	87 U/86 U
Aroclor-1260 (PCB-1260)	88 U	85 U	87 U	86 U/87 U
Total PCBs	ND	ND	ND	ND/ND

SB840-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	580 U	290 U	280 U	330 U	290 U
Aroclor-1260 (PCB-1260)	580 U	290 U	280 U	330 U	290 U
Total PCBs	ND	ND	ND	ND	ND

SB292-13	10/21/2013 (2-4) ft BGS ug/kg	10/21/2013 (4-6) ft BGS ug/kg	10/21/2013 (6-8) ft BGS ug/kg	10/21/2013 (8-10) ft BGS ug/kg
PCBs				
Aroclor-1254 (PCB-1254)	89 U	84 U	83 U	85 U
Aroclor-1260 (PCB-1260)	89 U	84 U	83 U	85 U
Total PCBs	ND	ND	ND	ND

SB836-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	280 U/290 U	570 U	280 U	290 U	280 U
Aroclor-1260 (PCB-1260)	280 U/290 U	570 U	280 U	290 U	280 U
Total PCBs	ND/ND	ND	ND	ND	ND

SB108-11	3/14/2011 (0-2) ft BGS ug/kg	3/14/2011 (2-4) ft BGS ug/kg	3/14/2011 (4-6) ft BGS ug/kg	3/14/2011 (6-8) ft BGS ug/kg	3/14/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	300 U	280 U	280 U	370 U	290 U
Aroclor-1260 (PCB-1260)	300 U	280 U	280 U	370 U	290 U
Total PCBs	ND	ND	ND	ND	ND

SB152-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	36 U	36 U	35 U	35 U	36 U
Aroclor-1260 (PCB-1260)	36 U	36 U	35 U	35 U	36 U
Total PCBs	ND	ND	ND	ND	ND

SB835-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	310 U	300 U	310 U	300 U	290 U
Aroclor-1260 (PCB-1260)	310 U	300 U	40 J	300 U	290 U
Total PCBs	ND	ND	40 J	ND	ND

SB834-10	4/20/2010 (0-2) ft BGS ug/kg	4/20/2010 (2-4) ft BGS ug/kg	4/20/2010 (4-6) ft BGS ug/kg	4/20/2010 (6-8) ft BGS ug/kg	4/20/2010 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	280 U	280 U	320 U	290 U	280 U
Aroclor-1260 (PCB-1260)	280 U	280 U	320 U	290 U	280 U
Total PCBs	ND	ND	ND	ND	ND

SB109-11	3/14/2011 (0-2) ft BGS ug/kg	3/14/2011 (2-4) ft BGS ug/kg	3/14/2011 (4-6) ft BGS ug/kg	3/14/2011 (6-8) ft BGS ug/kg	3/14/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	310 U	270 U	290 U	500 U	280 U/280 U
Aroclor-1260 (PCB-1260)	310 U	270 U	48 J	500 U	280 U/280 U
Total PCBs	ND	ND	48 J	ND	ND/ND

SB151-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	35 U	35 U	35 U	36 U	37 U
Aroclor-1260 (PCB-1260)	35 U	35 U	35 U	57	37 U
Total PCBs	ND	ND	ND	57	ND

SB212-12	11/1/2012 (0-2) ft BGS ug/kg	11/1/2012 (2-4) ft BGS ug/kg	11/1/2012 (4-6) ft BGS ug/kg	11/1/2012 (6-8) ft BGS ug/kg	11/1/2012 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	350 U	360 U	380 U	380 U	410 U
Aroclor-1260 (PCB-1260)	39 J	8.1 J	360 U	19 J	410 U
Total PCBs	39 J	8.1 J	ND	19 J	ND

SB150-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	730 U	36 U	37 U	46 U	38 U
Aroclor-1260 (PCB-1260)	4800 (OR)	220	76	43 J	38 U
Total PCBs	4800 (OR)	220	76	43 J	ND

SB110-11	3/14/2011 (0-2) ft BGS ug/kg	3/14/2011 (2-4) ft BGS ug/kg	3/14/2011 (4-6) ft BGS ug/kg	3/14/2011 (6-8) ft BGS ug/kg	3/14/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	300 U	280 U	310 U	680 U	280 U
Aroclor-1260 (PCB-1260)	300 U	280 U	27 J	680 U	280 U
Total PCBs	ND	ND	27 J	ND	ND

SB149-11	9/30/2011 (0-2) ft BGS ug/kg	9/30/2011 (2-4) ft BGS ug/kg	9/30/2011 (4-6) ft BGS ug/kg	9/30/2011 (6-8) ft BGS ug/kg	9/30/2011 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	1800 U	38 U	75 U	35 U	36 U
Aroclor-1260 (PCB-1260)	8900 (OR)	340	75 U	35 U	36 U
Total PCBs	8900 (OR)	340	ND	ND	ND

SB316-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	99 U	94 U	99 U	110 U/110 U	91 U
Aroclor-1260 (PCB-1260)	120	94 U	99 U	110 U/110 U	91 U
Total PCBs	120	ND	ND	ND/ND	ND

SB315-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	94 U	90 U/87 U	89 U	88 U	85 U
Aroclor-1260 (PCB-1260)	3500 (R)	90 U/87 U	89 U	88 U	85 U
Total PCBs	3500 (R)	ND/ND	ND	ND	ND

SB323-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	92 U	93 U	90 U	220 U	130 U
Aroclor-1260 (PCB-1260)	92 U	93 U	90 U	220 U	130 U
Total PCBs	ND	ND	ND	ND	ND

SB322-14	4/14/2014 (0-2) ft BGS ug/kg	4/14/2014 (2-4) ft BGS ug/kg	4/14/2014 (4-6) ft BGS ug/kg	4/14/2014 (6-8) ft BGS ug/kg	4/14/2014 (8-10) ft BGS ug/kg
PCBs					
Aroclor-1254 (PCB-1254)	99 U	93 U	94 U	87 U	87 U
Aroclor-1260 (PCB-1260)	99 U	93 U	94 U	87 U	87 U
Total PCBs	ND	ND	ND	ND	ND

No	Revision	Date	Initial

0 15ft

LEGEND

- SB295-13 SOIL BORING LOCATIONS
- TW20-2 HISTORICAL SAMPLE LOCATION
- MW6-03 HISTORICAL MONITORING WELL LOCATION
- APPROXIMATE SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE AOI

NOTE: SEE TABLE FOR ANALYTICAL RESULTS FOR PART 201 AND TSCA CRITERIA

SAMPLE ID — MW52-12	4/22/2014 (16.7-26.7) ft BGS	— DATE
	ug/L	— DEPTH
SVOCs		— UNITS
Pentachlorophenol	200 U/61 J (ABC)	
VOCs		
Benzene	0.37 J/0.37 J	
Tetrachloroethene	1.0 U/1.0 U	
Trichloroethene	1.0 U/1.0 U	
Vinyl chloride	1.0 U/1.0 U	— RESULTS

KEY MAP

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

PCBs IN SOIL SAMPLES COMPARED TO TSCA AND PART 201 CRITERIA

BULK UNLOAD AND RAILROAD AREAS

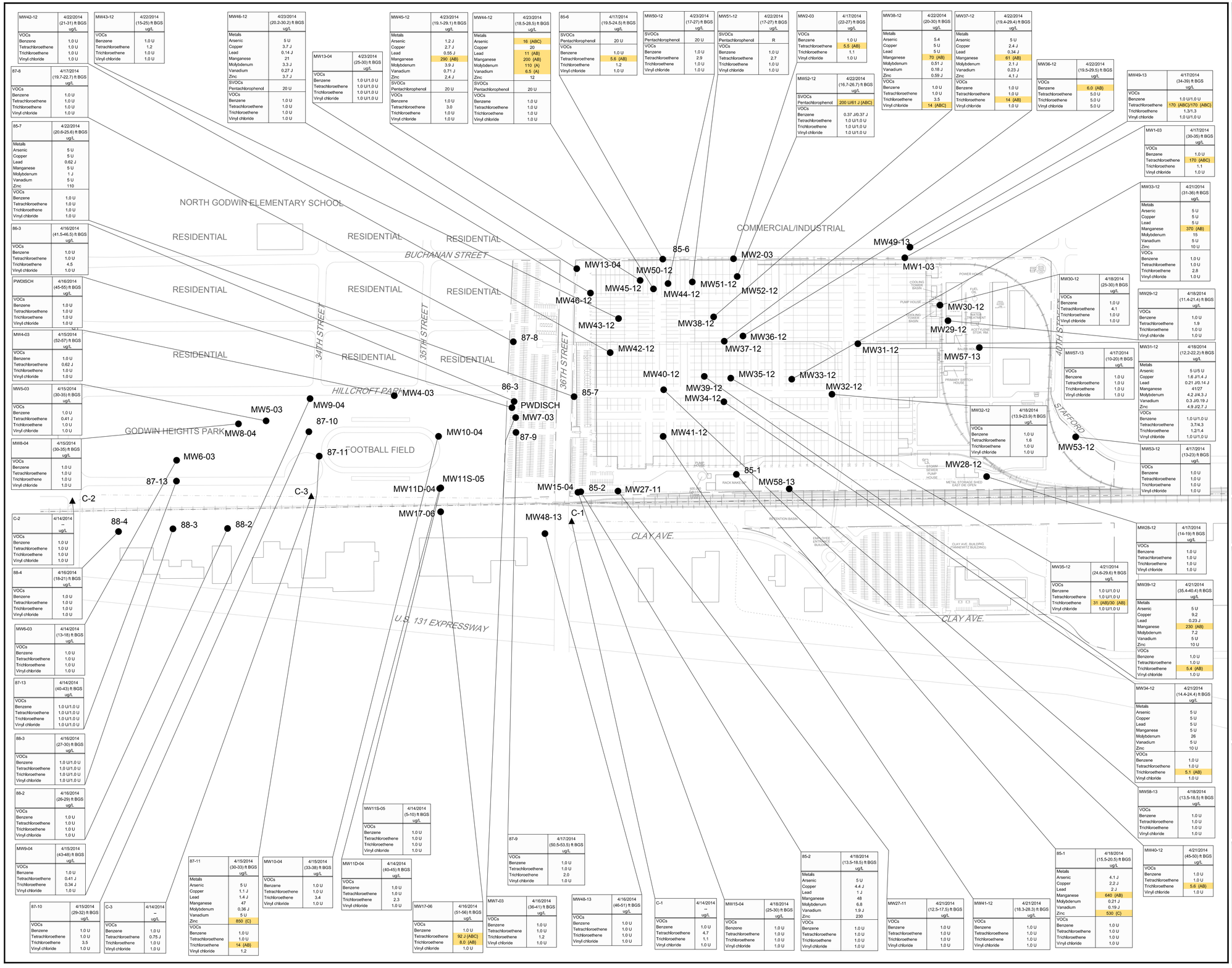
FORMER GRAND RAPIDS METAL PLANT WYOMING, MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
J.Q.	E.B.	MAY 2014	
Scale: 1:15	Project No: 017360-T05	Report No: MEMO072	Drawing No: Figure 5

017360-T05(MEMO072)GN-DE003 JUN 20/2014


NORTH GODWIN ELEMENTARY SCHOOL
RESIDENTIAL
BUCHANAN STREET
34TH STREET
35TH STREET
36TH STREET
HILLCROFT PARK
GODWIN HEIGHTS PARK
FOOTBALL FIELD
COMMERCIAL/INDUSTRIAL
STAFFORD
CLAY AVE.
U.S. 131 EXPRESSWAY
POWER HOUSE
FUEL OIL
WATER TREATMENT
ACETYLENE STOR. RM
COOLING TOWER BASIN
PUMP HOUSE
BALER HOUSE
PRIMARY SWITCH HOUSE
STORM SEWER PUMP HOUSE
METAL STORAGE SHED EAST SIDE OPEN
RACK MAKE UP
RETENTION BASIN
EMPLOYEE ENTRANCE BUILDING
CLAY AVE. BUILDING (TANNEWITZ BUILDING)
MW42-12 4/22/2014 (21-31) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW43-12 4/22/2014 (15-25) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.2
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW46-12 4/23/2014 (20.2-30.2) ft BGS ug/L
Metals
Arsenic 5 U
Copper 3.7 J
Lead 0.14 J
Manganese 21
Molybdenum 3.3 J
Vanadium 0.27 J
Zinc 3.7 J
SVOCs
Pentachlorophenol 20 U
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW13-04 4/23/2014 (25-30) ft BGS ug/L
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 1.0 U/1.0 U
Trichloroethene 1.0 U/1.0 U
Vinyl chloride 1.0 U/1.0 U
MW45-12 4/23/2014 (19.1-29.1) ft BGS ug/L
Metals
Arsenic 1.2 J
Copper 2.7 J
Lead 0.55 J
Manganese 290 (AB)
Molybdenum 3.9 J
Vanadium 0.71 J
Zinc 2.4 J
SVOCs
Pentachlorophenol 20 U
VOCs
Benzene 1.0 U
Tetrachloroethene 3.0
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW44-12 4/23/2014 (18.5-28.5) ft BGS ug/L
Metals
Arsenic 16 (ABC)
Copper 20
Lead 11 (AB)
Manganese 200 (AB)
Molybdenum 110 (A)
Vanadium 6.5 (A)
Zinc 12
SVOCs
Pentachlorophenol 20 U
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
85-6 4/17/2014 (19.5-24.5) ft BGS ug/L
SVOCs
Pentachlorophenol 20 U
VOCs
Benzene 1.0 U
Tetrachloroethene 5.6 (AB)
Trichloroethene 1.2
Vinyl chloride 1.0 U
MW50-12 4/23/2014 (17-27) ft BGS ug/L
SVOCs
Pentachlorophenol 20 U
VOCs
Benzene 1.0 U
Tetrachloroethene 2.9
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW51-12 4/22/2014 (17-27) ft BGS ug/L
SVOCs
Pentachlorophenol R
VOCs
Benzene 1.0 U
Tetrachloroethene 2.7
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW2-03 4/17/2014 (22-27) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 5.5 (AB)
Trichloroethene 1.1
Vinyl chloride 1.0 U
MW52-12 4/22/2014 (16.7-26.7) ft BGS ug/L
SVOCs
Pentachlorophenol 200 U/61 J (ABC)
VOCs
Benzene 0.37 J/0.37 J
Tetrachloroethene 1.0 U/1.0 U
Trichloroethene 1.0 U/1.0 U
Vinyl chloride 1.0 U/1.0 U
MW38-12 4/22/2014 (20-30) ft BGS ug/L
Metals
Arsenic 5.4
Copper 5 U
Lead 5 U
Manganese 70 (AB)
Molybdenum 0.51 J
Vanadium 0.18 J
Zinc 0.59 J
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 3.5
Vinyl chloride 14 (ABC)
MW37-12 4/22/2014 (19.4-29.4) ft BGS ug/L
Metals
Arsenic 5 U
Copper 2.4 J
Lead 0.34 J
Manganese 61 (AB)
Molybdenum 2.1 J
Vanadium 0.23 J
Zinc 4.1 J
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 14 (AB)
Vinyl chloride 1.0 U
MW36-12 4/22/2014 (19.5-29.5) ft BGS ug/L
VOCs
Benzene 6.0 (AB)
Tetrachloroethene 5.0 U
Trichloroethene 5.0 U
Vinyl chloride 5.0 U
MW49-13 4/17/2014 (34-39) ft BGS ug/L
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 170 (ABC)/170 (ABC)
Trichloroethene 1.3/1.3
Vinyl chloride 1.0 U/1.0 U
MW1-03 4/17/2014 (30-35) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 170 (ABC)
Trichloroethene 1.1
Vinyl chloride 1.0 U
MW33-12 4/21/2014 (31-36) ft BGS ug/L
Metals
Arsenic 5 U
Copper 5 U
Lead 5 U
Manganese 370 (AB)
Molybdenum 15
Vanadium 5 U
Zinc 10 U
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 2.8
Vinyl chloride 1.0 U
MW30-12 4/18/2014 (25-30) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 4.1
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW29-12 4/18/2014 (11.4-21.4) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.9
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW57-13 4/17/2014 (10-20) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW31-12 4/18/2014 (12.2-22.2) ft BGS ug/L
Metals
Arsenic 5 U/5 U
Copper 1.6 J/1.4 J
Lead 0.21 J/0.14 J
Manganese 41/27
Molybdenum 4.2 J/4.3 J
Vanadium 0.3 J/0.19 J
Zinc 4.9 J/2.7 J
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 3.7/4.3
Trichloroethene 1.2/1.4
Vinyl chloride 1.0 U/1.0 U
MW32-12 4/18/2014 (13.9-23.9) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.6
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW53-12 4/17/2014 (13-23) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW28-12 4/17/2014 (14-19) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW35-12 4/21/2014 (24.6-29.6) ft BGS ug/L
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 1.0 U/1.0 U
Trichloroethene 31 (AB)/30 (AB)
Vinyl chloride 1.0 U/1.0 U
MW39-12 4/21/2014 (35.4-40.4) ft BGS ug/L
Metals
Arsenic 5 U
Copper 9.2
Lead 0.23 J
Manganese 230 (AB)
Molybdenum 7.2
Vanadium 5 U
Zinc 10 U
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 5.4 (AB)
Vinyl chloride 1.0 U
MW34-12 4/21/2014 (14.4-24.4) ft BGS ug/L
Metals
Arsenic 5 U
Copper 5 U
Lead 5 U
Manganese 5 U
Molybdenum 26
Vanadium 5 U
Zinc 10 U
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 5.1 (AB)
Vinyl chloride 1.0 U
MW58-13 4/18/2014 (13.5-18.5) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW40-12 4/21/2014 (45-50) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 5.6 (AB)
Vinyl chloride 1.0 U
85-1 4/18/2014 (15.5-20.5) ft BGS ug/L
Metals
Arsenic 4.1 J
Copper 2.2 J
Lead 2 J
Manganese 640 (AB)
Molybdenum 0.21 J
Vanadium 0.19 J
Zinc 530 (C)
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW41-12 4/21/2014 (18.3-28.3) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW27-11 4/21/2014 (12.5-17.5) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
85-2 4/18/2014 (13.5-18.5) ft BGS ug/L
Metals
Arsenic 5 U
Copper 4.4 J
Lead 1 J
Manganese 48
Molybdenum 6.8
Vanadium 1.9 J
Zinc 230
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
C-1 4/14/2014 -- ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 4.7
Trichloroethene 1.1
Vinyl chloride 1.0 U
MW48-13 4/16/2014 (46-61) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW7-03 4/16/2014 (36-41) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.2
Vinyl chloride 1.0 U
87-9 4/17/2014 (50.5-53.5) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 2.0
Vinyl chloride 1.0 U
MW11S-05 4/14/2014 (5-10) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW11D-04 4/14/2014 (40-45) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 2.3
Vinyl chloride 1.0 U
MW17-06 4/16/2014 (51-56) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 92 J (ABC)
Trichloroethene 8.0 (AB)
Vinyl chloride 1.0 U
MW10-04 4/15/2014 (33-38) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 3.4
Vinyl chloride 1.0 U
87-11 4/15/2014 (30-33) ft BGS ug/L
Metals
Arsenic 5 U
Copper 1.1 J
Lead 1.4 J
Manganese 47
Molybdenum 0.36 J
Vanadium 5 U
Zinc 850 (C)
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 14 (AB)
Vinyl chloride 1.2
C-3 4/14/2014 -- ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 0.75 J
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
87-10 4/15/2014 (29-32) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 3.5
Vinyl chloride 1.0 U
C-2 4/14/2014 -- ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
88-4 4/16/2014 (18-21) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW6-03 4/14/2014 (13-18) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
87-13 4/14/2014 (40-43) ft BGS ug/L
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 1.0 U/1.0 U
Trichloroethene 1.0 U/1.0 U
Vinyl chloride 1.0 U/1.0 U
88-3 4/16/2014 (27-30) ft BGS ug/L
VOCs
Benzene 1.0 U/1.0 U
Tetrachloroethene 1.0 U/1.0 U
Trichloroethene 1.0 U/1.0 U
Vinyl chloride 1.0 U/1.0 U
88-2 4/16/2014 (26-29) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW9-04 4/15/2014 (43-48) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 0.41 J
Trichloroethene 0.34 J
Vinyl chloride 1.0 U
87-8 4/17/2014 (19.7-22.7) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
85-7 4/22/2014 (20.6-25.6) ft BGS ug/L
Metals
Arsenic 5 U
Copper 5 U
Lead 0.62 J
Manganese 5 U
Molybdenum 1 J
Vanadium 5 U
Zinc 110
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
86-3 4/16/2014 (41.5-46.5) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 4.5
Vinyl chloride 1.0 U
PWDISCH 4/16/2014 (45-55) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW4-03 4/15/2014 (52-57) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 0.62 J
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW5-03 4/15/2014 (30-35) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 0.41 J
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW8-04 4/15/2014 (30-35) ft BGS ug/L
VOCs
Benzene 1.0 U
Tetrachloroethene 1.0 U
Trichloroethene 1.0 U
Vinyl chloride 1.0 U
MW13-04
MW46-12
MW45-12
MW44-12
85-6
MW2-03
MW50-12
MW51-12
MW52-12
MW49-13
MW1-03
MW38-12
MW37-12
MW36-12
MW30-12
MW29-12
MW57-13
MW31-12
MW32-12
MW53-12
MW28-12
MW35-12
MW39-12
MW34-12
MW58-13
MW40-12
85-1
MW41-12
MW27-11
85-2
MW48-13
C-1
MW15-04
MW7-03
87-9
MW11S-05
MW11D-04
MW17-06
MW10-04
87-11
C-3
87-10
C-2
88-4
MW6-03
87-13
88-3
88-2
MW9-04
87-8
85-7
86-3
PWDISCH
MW4-03
MW5-03
MW8-04
MW6-03
87-13
C-2
88-4
88-3
88-2
MW11S-05
MW11D-04
MW17-06
MW48-13
C-1
MW46-12
MW43-12
MW42-12
MW38-12
MW36-12
MW37-12
MW40-12
MW39-12
MW35-12
MW34-12
MW33-12
MW31-12
MW32-12
MW30-12
MW29-12
MW28-12
MW27-11
MW41-12
MW53-12
MW58-13
MW57-13
MW49-13
MW1-03
MW2-03
MW50-12
MW51-12
MW52-12
MW45-12
MW44-12
85-6
MW13-04
MW43-12
MW42-12
MW40-12
MW39-12
MW34-12
MW35-12
MW36-12
MW37-12
MW38-12
MW33-12
MW31-12
MW32-12
MW30-12
MW29-12
MW57-13
MW53-12
MW28-12
MW58-13
MW49-13
MW1-03
MW2-03
MW50-12
MW51-12
MW52-12
MW45-12
MW44-12
85-6
MW13-04
MW43-12
MW42-12
MW46-12
87-8
85-7
86-3
PWDISCH
MW7-03
87-9
MW4-03
MW9-04
MW5-03
MW8-04
MW6-03
87-13
C-2
88-4
88-3
88-2
MW10-04
87-11
C-3
87-10
MW11S-05
MW11D-04
MW17-06
MW48-13
C-1
MW15-04
MW27-11
85-2
MW41-12
85-1

SAMPLE SUMMARY
BULK UNLOAD AREA INVESTIGATION AND SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	Sample Identification	Sample Location	Matrix	Sample Depth (ft bgs)	QC Sample	Analysis
4/14/2014	SO-17360-041414-DR-001	SB317-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-002	SB317-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-003	SB317-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-004	SB317-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-005	SB317-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-006	SB310-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-007	SB310-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-008	SB310-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-009	SB310-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-010	SB310-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-011	SB311-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-012	SB311-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-013	SB311-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-014	SB311-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-015	SB311-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-016	SB318-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-017	SB318-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-018	SB318-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-019	SB318-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-020	SB318-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-021	SB312-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-022	SB312-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-023	SB312-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-024	SB312-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-025	SB312-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-026	SB319-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-027	SB319-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-028	SB319-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-029	SB319-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-030	SB319-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-031	SB313-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-032	SB313-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-033	SB313-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-034	SB313-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-035	SB313-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-036	SB320-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-037	SB320-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-038	SB320-14	Soil	4 to 6	MS/MSD	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-039	SB320-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-040	SB320-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-041	SB320-14	Soil	8 to 10	Duplicate	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-042	SB314-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-043	SB314-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-044	SB314-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-045	SB314-14	Soil	4 to 6	Duplicate	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-046	SB314-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-047	SB314-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-048	SB321-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-049	SB321-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-050	SB321-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-051	SB321-14	Soil	6 to 8	MS/MSD	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-052	SB321-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-053	SB315-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-054	SB315-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-055	SB315-14	Soil	2 to 4	Duplicate	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-056	SB315-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-057	SB315-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-058	SB315-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-059	SB322-14	Soil	0 to 2	MS/MSD	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-060	SB322-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-061	SB322-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-062	SB322-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-063	SB322-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-064	SB316-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-065	SB316-14	Soil	2 to 4		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-066	SB316-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-067	SB316-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-068	SB316-14	Soil	6 to 8	Duplicate	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-069	SB316-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals

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FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	Sample Identification	Sample Location	Matrix	Sample Depth (ft bgs)	QC Sample	Analysis
4/14/2014	SO-17360-041414-DR-070	SB323-14	Soil	0 to 2		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-071	SB323-14	Soil	2 to 4	MS/MSD	VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-072	SB323-14	Soil	4 to 6		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-073	SB323-14	Soil	6 to 8		VOCs, PAHs, PCBs, Metals
4/14/2014	SO-17360-041414-DR-074	SB323-14	Soil	8 to 10		VOCs, PAHs, PCBs, Metals
4/14/2014	TB-17360-041414	Trip Blank	--	-- -- --		VOCs, PAHs, PCBs, Metals
4/14/2014	SW-017360-041414-MR-001	C-2	Surface Water	-- -- --		VOCs
4/14/2014	SW-017360-041414-MR-002	C-3	Surface Water	-- -- --		VOCs
4/14/2014	SW-017360-041414-MR-003	C-1	Surface Water	-- -- --		VOCs
4/14/2014	WG-17360-041414-MR-004	MW6-03	Groundwater	13 to 18	MS/MSD	VOCs
4/14/2014	WG-17360-041414-MR-005	87-13	Groundwater	40 to 43		VOCs
4/14/2014	WG-17360-041414-MR-006	87-13	Groundwater	40 to 43	Duplicate	VOCs
4/14/2014	WG-17360-041414-MR-007	MW11S-05	Groundwater	5 to 10		VOCs
4/14/2014	WG-17360-041414-MR-008	MW11D-04	Groundwater	40 to 45		VOCs
4/15/2014	WG-17360-041514-MR-009	87-10	Groundwater	29 to 32		VOCs
4/15/2014	WG-17360-041514-MR-010	87-11	Groundwater	30 to 33		VOCs, Metals
4/15/2014	WG-17360-041514-MR-011	MW9-04	Groundwater	43 to 48		VOCs
4/15/2014	WG-17360-041514-MR-012	MW8-04	Groundwater	30 to 35		VOCs
4/15/2014	WG-17360-041514-MR-013	MW5-03	Groundwater	30 to 35		VOCs
4/15/2014	WG-17360-041514-MR-014	MW10-04	Groundwater	33 to 38		VOCs
4/15/2014	WG-17360-041514-MR-015	MW4-03	Groundwater	52 to 57		VOCs
4/16/2014	WG-17360-041614-MR-016	88-4	Groundwater	18 to 21		VOCs
4/16/2014	WG-17360-041614-MR-017	88-3	Groundwater	27 to 30		VOCs
4/16/2014	WG-17360-041614-MR-018	88-3	Groundwater	27 to 30		VOCs
4/16/2014	WG-17360-041614-MR-019	88-2	Groundwater	26 to 29		VOCs
4/16/2014	WG-17360-041614-MR-020	MW17-06	Groundwater	51 to 56	MS/MSD	VOCs
4/16/2014	WG-17360-041614-MR-021	MW48-13	Groundwater	46 to 51		VOCs
4/16/2014	WG-17360-041614-MR-022	PWDISCH	Groundwater	45 to 55		VOCs
4/16/2014	WG-17360-041614-MR-023	86-3	Groundwater	41.5 to 46.5		VOCs
4/16/2014	WG-17360-041614-MR-024	MW7-03	Groundwater	36 to 41		VOCs
4/17/2014	WG-17360-041714-MR-025	87-8	Groundwater	19.7 to 22.7		VOCs
4/17/2014	WG-17360-041714-MR-026	87-9	Groundwater	50.5 to 53.5		VOCs
4/17/2014	WG-17360-041714-MR-027	85-6	Groundwater	19.5 to 24.5		VOCs and SVOCs
4/17/2014	WG-17360-041714-MR-028	MW2-03	Groundwater	22 to 27		VOCs
4/17/2014	WG-17360-041714-MR-029	MW49-13	Groundwater	34 to 39		VOCs
4/17/2014	WG-17360-041714-MR-030	MW49-13	Groundwater	34 to 39	Duplicate	VOCs
4/17/2014	WG-17360-041714-MR-031	MW1-03	Groundwater	30 to 35		VOCs
4/17/2014	WG-17360-041714-MR-032	MW28-12	Groundwater	14 to 19		VOCs
4/17/2014	WG-17360-041714-MR-033	MW53-12	Groundwater	13 to 23		VOCs
4/17/2014	WG-17360-041714-MR-034	MW57-13	Groundwater	10 to 20		VOCs
4/18/2014	WG-17360-041814-MR-035	MW29-12	Groundwater	11.4 to 21.4		VOCs
4/18/2014	WG-17360-041814-MR-036	MW30-12	Groundwater	25 to 30		VOCs
4/18/2014	WG-17360-041814-MR-037	MW31-12	Groundwater	12.2 to 22.2		VOCs, Metals
4/18/2014	WG-17360-041814-MR-038	MW31-12	Groundwater	12.2 to 22.2	Duplicate	VOCs, Metals
4/18/2014	WG-17360-041814-MR-039	MW32-12	Groundwater	13.9 to 23.9		VOCs
4/18/2014	WG-17360-041814-MR-040	MW58-13	Groundwater	13.5 to 18.5		VOCs
4/18/2014	WG-17360-041814-MR-041	85-1	Groundwater	15.5 to 20.5		VOCs, Metals
4/18/2014	WG-17360-041814-MR-042	85-2	Groundwater	13.5 to 18.5		VOCs, Metals
4/18/2014	WG-17360-041814-MR-043	MW15-04	Groundwater	25 to 30		VOCs
4/18/2014	TB-17360-041814-MR-044	Trip Blank	--	-- -- --		VOCs
4/21/2014	WG-17360-042114-MR-045	MW33-12	Groundwater	31 to 36	MS/MSD	VOCs, Metals
4/21/2014	WG-17360-042114-MR-046	MW34-12	Groundwater	14.4 to 24.4		VOCs, Metals
4/21/2014	WG-17360-042114-MR-047	MW35-12	Groundwater	24.6 to 29.6		VOCs
4/21/2014	WG-17360-042114-MR-048	MW35-12	Groundwater	24.6 to 29.6	Duplicate	VOCs
4/21/2014	WG-17360-042114-MR-049	MW39-12	Groundwater	35.4 to 40.4		VOCs, Metals
4/21/2014	WG-17360-042114-MR-050	MW40-12	Groundwater	45 to 50		VOCs
4/21/2014	WG-17360-042114-MR-051	MW41-12	Groundwater	18.3 to 28.3		VOCs
4/21/2014	WG-17360-042114-MR-052	MW27-11	Groundwater	12.5 to 17.5		VOCs
4/22/2014	WG-17360-042214-MR-053	85-7	Groundwater	20.6 to 25.6		VOCs, Metals
4/22/2014	WG-17360-042214-MR-054	MW42-12	Groundwater	21 to 31		VOCs
4/22/2014	WG-17360-042214-MR-055	MW43-12	Groundwater	15 to 25		VOCs
4/22/2014	WG-17360-042214-MR-056	MW38-12	Groundwater	20 to 30		VOCs, Metals
4/22/2014	WG-17360-042214-MR-057	MW37-12	Groundwater	19.4 to 29.4		VOCs, Metals
4/22/2014	WG-17360-042214-MR-058	MW36-12	Groundwater	19.5 to 29.5		VOCs
4/22/2014	WG-17360-042214-MR-059	MW52-12	Groundwater	16.7 to 26.7		VOCs and SVOCs
4/22/2014	WG-17360-042214-MR-060	MW52-12	Groundwater	16.7 to 26.7	Duplicate	VOCs and SVOCs
4/22/2014	WG-17360-042214-MR-061	MW51-12	Groundwater	17 to 27		VOCs and SVOCs
4/23/2014	WG-17360-042314-MR-062	MW50-12	Groundwater	17 to 27		VOCs and SVOCs

SAMPLE SUMMARY
BULK UNLOAD AREA INVESTIGATION AND SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Date	Sample Identification	Sample Location	Matrix	Sample Depth (ft bgs)	QC Sample	Analysis
4/23/2014	WG-17360-042314-MR-063	MW44-12	Groundwater	18.5 to 28.5	MS/MSD	VOCs, SVOCs, and Metals
4/23/2014	WG-17360-042314-MR-064	MW45-12	Groundwater	19.1 to 29.1		VOCs, SVOCs, and Metals
4/23/2014	WG-17360-042314-MR-065	MW46-12	Groundwater	20.2 to 30.2		VOCs, SVOCs, and Metals
4/23/2014	WG-17360-042314-MR-066	MW13-04	Groundwater	25 to 30		VOCs
4/23/2014	WG-17360-042314-MR-067	MW13-04	Groundwater	25 to 30	Duplicate	VOCs
4/23/2014	TB-17360-042314-MR-068	Trip Blank	--	-- -- --		VOCs

Notes:
VOCs - Target Compound List Volatile Organic Compounds
SVOCs - Target Compound List Semi-Volatile Organic Compounds
PAHs - Polycyclic Aromatic Hydrocarbons
Metals - Antimony, Arsenic, Barium, Beryllium, Cadmium, total Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
PCBs - Polychlorinated Biphenyls
QC - Quality Control
MS/MSD - Matrix Spike /Matrix Spike Duplicate

TABLE 2

GROUNDWATER ELEVATION DATA
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Location	*LNAPL Thickness (ft.)*	*Groundwater Elevation* [2]	*Depth Below Top of Riser*
85-1		659.88	15.15
85-2		658.58	13.05
85-6	[1]	662.93	16.66
85-7		658.54	19.30
86-3		658.13	17.67
87-8		658.30	18.48
87-9		657.98	15.15
87-10		656.35	11.41
87-11		655.89	10.36
87-13		653.70	9.87
88-2		654.46	11.34
88-3		653.93	10.43
88-4		653.33	7.87
MW1-03		664.80	13.88
MW2-03		663.84	16.76
MW4-03		657.19	21.93
MW5-03		656.12	19.70
MW6-03		654.09	11.30
MW7-03		658.33	16.46
MW8-04		655.32	19.00
MW9-04		656.89	21.40
MW10-04		657.39	8.90
MW11D-04		657.20	6.07
MW11S-05		657.06	6.52
MW13-04		660.88	17.38
MW15-04		658.52	13.17
MW17-06		657.71	7.00
MW27-11		658.74	12.57
MW28-12		663.16	13.38
MW29-12		663.91	11.78
MW30-12		664.12	12.54
MW31-12		662.55	12.87
MW32-12		661.76	14.01
MW33-12		661.33	17.38
MW34-12		659.81	14.77
MW35-12		659.91	17.15
MW36-12		660.71	19.28
MW37-12		660.18	20.12
MW38-12		660.00	20.51
MW39-12		659.63	19.55
MW40-12		659.48	21.78
MW41-12		659.34	18.53
MW42-12		659.35	21.59
MW43-12		660.14	15.58
MW44-12	[1]	662.16	17.33
MW45-12	[1]	662.03	16.80
MW46-12	[1]	660.59	19.66
MW48-13		658.64	12.46
MW49-13		664.88	13.90
MW50-12	[1]	662.84	17.27
MW51-12	[1]	662.91	17.53
MW52-12	[1]	662.88	16.81
MW53-12		664.28	12.96
MW57-13	[1]	663.97	13.51
MW58-13		660.65	14.58
PWDISCH		658.18	19.61

Notes:

[1] No measurable LNAPL was identified in the wells.

[2] Groundwater elevations measured in feet above mean sea level.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]										
Sample Identification		Statewide Default Background	Drinking Water Protection	Nonresidential Drinking Water Protection	Groundwater Surface Water Interface Protection[2]	Soil Volatilization to Indoor Air Inhalation	Nonresidential Soil Volatilization to Indoor Air Inhalation	Infinite Source Volatile Soil Inhalation	Nonresidential Infinite Source Volatile Soil Inhalation	Finite VSIC for 5 Meter Source Thickness	Nonresidential Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness
Sample Date												
Sample Type												
Sample Depth												
	Units	a	b	c	d	e	f	g	h	i	j	k
Metals												
Antimony	µg/kg	NA	4300	4300	94000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Arsenic	µg/kg	5800	4600	4600	4600	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Barium	µg/kg	75000	1300000	1300000	1000000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Beryllium	µg/kg	NA	51000	51000	680000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Cadmium	µg/kg	1200	6000	6000	6700	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Chromium	µg/kg	18000	30000	30000	3300	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Cobalt	µg/kg	6800	800	2000	2000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Copper	µg/kg	32000	5800000	5800000	150000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Iron	µg/kg	12000000	6000	6000	NA	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Lead	µg/kg	21000	700000	700000	9500000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Manganese	µg/kg	440000	1000	1000	120000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Mercury	µg/kg	130	1700	1700	50	48000	89000	52000	62000	52000	62000	52000
Molybdenum	µg/kg	NA	1500	4200	160000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Nickel	µg/kg	20000	100000	100000	400	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Selenium	µg/kg	410	4000	4000	100	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Silver	µg/kg	1000	4500	13000	NA	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Thallium	µg/kg	NA	2300	2300	4200	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Vanadium	µg/kg	NA	72000	990000	430000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Zinc	µg/kg	47000	2400000	5000000	340000	NLV	NLV	NLV	NLV	NLV	NLV	NLV
PCBs												
Aroclor-1016 (PCB-1016)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1221 (PCB-1221)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1232 (PCB-1232)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1242 (PCB-1242)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1248 (PCB-1248)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1254 (PCB-1254)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Aroclor-1260 (PCB-1260)	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Total PCBs	µg/kg	NA	NLL	NLL	NLL	3000000	16000000	240000	810000	7900000	28000000	7900000
Semi-Volatile Organic Compounds (SVOCs)												
2-Methylnaphthalene	µg/kg	NA	57000	170000	4200	2700000	4900000	1500000	1800000	1500000	1800000	1500000
Acenaphthene	µg/kg	NA	300000	880000	8700	190000000	350000000	81000000	97000000	81000000	97000000	81000000
Acenaphthylene	µg/kg	NA	5900	17000	ID	1600000	3000000	2200000	2700000	2200000	2700000	2200000
Anthracene	µg/kg	NA	41000	41000	ID	1000000000	1000000000	1400000000	1600000000	1400000000	1600000000	1400000000
Benzo(a)anthracene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Benzo(a)pyrene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Benzo(b)fluoranthene	µg/kg	NA	NLL	NLL	NLL	ID	ID	ID	ID	ID	ID	ID
Benzo(g,h,i)perylene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Benzo(k)fluoranthene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Chrysene	µg/kg	NA	NLL	NLL	NLL	ID	ID	ID	ID	ID	ID	ID
Dibenz(a,h)anthracene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV
Fluoranthene	µg/kg	NA	730000	730000	5500	1000000000	1000000000	740000000	890000000	740000000	880000000	740000000
Fluorene	µg/kg	NA	390000	890000	5300	580000000	1000000000	130000000	150000000	130000000	150000000	130000000
Indeno(1,2,3-cd)pyrene	µg/kg	NA	NLL	NLL	NLL	NLV	NLV	NLV	NLV	NLV	NLV	NLV

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]										
Sample Identification		Statewide Default Background	Drinking Water Protection	Nonresidential Drinking Water Protection	Groundwater Surface Water Interface Protection[2]	Soil Volatilization to Indoor Air Inhalation	Nonresidential Soil Volatilization to Indoor Air Inhalation	Infinite Source Volatile Soil Inhalation	Nonresidential Infinite Source Volatile Soil Inhalation	Finite VSIC for 5 Meter Source Thickness	Nonresidential Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness
Sample Date												
Sample Type												
Sample Depth												
	Units	a	b	c	d	e	f	g	h	i	j	k
SVOCs (continued)												
Naphthalene	µg/kg	NA	35000	100000	730	250000	470000	300000	350000	300000	350000	300000
Phenanthrene	µg/kg	NA	56000	160000	2100	2800000	5100000	160000	190000	160000	190000	160000
Pyrene	µg/kg	NA	480000	480000	ID	1000000000	1000000000	650000000	780000000	650000000	780000000	650000000
Volatile Organic Compounds (VOCs)												
1,1,1-Trichloroethane	µg/kg	NA	4000	4000	1800	250000	460000	3800000	4500000	12000000	15000000	28000000
1,1,2,2-Tetrachloroethane	µg/kg	NA	170	700	1600	4300	23000	10000	34000	10000	34000	14000
1,1,2-Trichloroethane	µg/kg	NA	100	100	6600	4600	24000	17000	57000	21000	57000	44000
1,1-Dichloroethane	µg/kg	NA	18000	50000	15000	230000	430000	2100000	2500000	5900000	6000000	14000000
1,1-Dichloroethene	µg/kg	NA	140	140	2600	62	330	1100	3700	5300	15000	13000
1,2,4-Trichlorobenzene	µg/kg	NA	4200	4200	5900	9600000	18000000	28000000	34000000	28000000	34000000	28000000
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	NA	10	10	ID	220	1200	260	900	260	900	260
1,2-Dibromoethane[5]	µg/kg	NA	20	20	110	670	3600	1700	5800	1700	5800	3300
1,2-Dichlorobenzene	µg/kg	NA	14000	14000	280	11000000	20000000	39000000	46000000	39000000	46000000	52000000
1,2-Dichloroethane	µg/kg	NA	100	100	7200	2100	11000	6200	21000	11000	33000	26000
1,2-Dichloropropane	µg/kg	NA	100	100	4600	4000	7400	25000	30000	50000	51000	110000
1,3-Dichlorobenzene	µg/kg	NA	170	480	680	26000	48000	79000	94000	79000	94000	110000
1,4-Dichlorobenzene	µg/kg	NA	1700	1700	360	19000	100000	77000	260000	77000	260000	110000
2-Butanone[6]	µg/kg	NA	260000	760000	44000	54000000	99000000	29000000	35000000	29000000	35000000	35000000
2-Hexanone	µg/kg	NA	20000	58000	ID	990000	1800000	1100000	1300000	1100000	1300000	1400000
4-Methyl-2-pentanone[7]	µg/kg	NA	36000	100000	ID	37000000	69000000	45000000	53000000	45000000	53000000	67000000
Acetone	µg/kg	NA	15000	42000	34000	290000000	540000000	130000000	160000000	130000000	160000000	190000000
Benzene	µg/kg	NA	100	100	4000	1600	8400	13000	45000	34000	99000	79000
Bromodichloromethane	µg/kg	NA	1600	1600	ID	1200	6400	9100	31000	9700	31000	19000
Bromoform	µg/kg	NA	1600	1600	ID	150000	770000	900000	3100000	900000	3100000	900000
Bromomethane (Methyl bromide)	µg/kg	NA	200	580	700	860	1600	11000	13000	57000	57000	140000
Carbon disulfide	µg/kg	NA	16000	46000	ID	76000	140000	1300000	1600000	7900000	8000000	19000000
Carbon tetrachloride	µg/kg	NA	100	100	900	190	990	3500	12000	12000	34000	28000
Chlorobenzene	µg/kg	NA	2000	2000	500	120000	220000	770000	920000	990000	1100000	2100000
Chloroethane	µg/kg	NA	8600	34000	22000	2900000	5300000	30000000	36000000	120000000	120000000	280000000
Chloroform (Trichloromethane)	µg/kg	NA	1600	1600	7000	7200	38000	45000	150000	120000	340000	270000
Chloromethane (Methyl chloride)	µg/kg	NA	5200	22000	ID	2300	10000	40000	120000	410000	1000000	1000000
cis-1,2-Dichloroethene	µg/kg	NA	1400	1400	12000	22000	41000	180000	210000	420000	430000	990000
cis-1,3-Dichloropropene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	µg/kg	NA	1600	1600	ID	3900	21000	24000	80000	24000	80000	33000
Dichlorodifluoromethane (CFC-12)	µg/kg	NA	95000	270000	ID	900000	1700000	53000000	63000000	550000000	550000000	1400000000
Ethylbenzene	µg/kg	NA	1500	1500	360	87000	460000	720000	2400000	1000000	3100000	2200000
Isopropyl benzene	µg/kg	NA	91000	260000	3200	400000	730000	1700000	2000000	1700000	2000000	2800000
Methyl acetate	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether (MTBE)	µg/kg	NA	800	800	140000	9900000	18000000	25000000	30000000	39000000	41000000	87000000
Methylene chloride	µg/kg	NA	100	100	30000	45000	240000	210000	700000	590000	1700000	1400000
Styrene	µg/kg	NA	2700	2700	2100	250000	1300000	970000	3300000	970000	3300000	1400000
Tetrachloroethene	µg/kg	NA	100	100	1200	11000	21000	170000	210000	480000	490000	1100000
Toluene	µg/kg	NA	16000	16000	5400	330000	610000	2800000	3300000	5100000	36000000	12000000
trans-1,2-Dichloroethene	µg/kg	NA	2000	2000	30000	23000	43000	280000	330000	830000	840000	2000000
trans-1,3-Dichloropropene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/kg	NA	100	100	4000	1000	1900	11000	14000	25000	25000	57000
Trichlorofluoromethane (CFC-11)	µg/kg	NA	52000	150000	NA	2800000	5100000	92000000	110000000	630000000	140000000000	1500000000

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location					***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]							
Sample Identification		Statewide Default	Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Soil Volatilization to Indoor Air	Nonresidential Soil Volatilization to Indoor Air	Infinite Source Volatile Soil	Nonresidential Infinite Source Volatile Soil	Finite VSIC for 5 Meter Source	Nonresidential Finite VSIC for 5 Meter Source	Finite VSIC for 2 Meter Source
Sample Date												
Sample Type												
Sample Depth				Protection	Protection[2]		Inhalation		Inhalation	Thickness	Thickness	Thickness
	Units	a	b	c	d	e	f	g	h	i	j	k
VOCs (continued)												
Trifluorotrichloroethane (Freon 113)	µg/kg	NA	9000000	9000000	1700	5100000	9300000	180000000	210000000	880000000	890000000	2100000000
Vinyl chloride	µg/kg	NA	40	40	260	270	2800	4200	29000	30000	170000	73000
Xylenes (total)	µg/kg	NA	5600	5600	820	6300000	12000000	46000000	54000000	61000000	65000000	130000000

Notes:
[1] Cleanup Criteria Requirements for Response Activity, Administrative Rules R299.1 to R299.50 effective December 30, 2013 pursuant to 1994 PA 451 as amended.
[2] Carbonate Hardness of 344 mg/L was used to calculate Groundwater-Surface Water Interface Protection Criteria.
[3] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[4] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
[5] 1,2-Dibromoethane also known as Ethylene dibromide.
[6] 2-Butanone also known as Methyl ethyl ketone (MEK).
[7] 4-Methyl-2-pentanone also known as Methyl isobutyl ketone (MIBK).
J - Estimated concentration.
UJ - Estimated reporting limit.
ID - Insufficient data to develop criterion.
NA - A criterion or value is not available or, in the case of background numbers, not applicable.
NLL - Hazardous substance is not likely to leach under most soil conditions.
NLV - Hazardous substance is not likely to volatilize under most conditions.
-- Parameter was not analyzed.
☐ - Exceeds Generic Cleanup Criteria.
Superscript letter notes the criterion exceeded.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]							
Sample Identification		Nonresidential	Particulate	Nonresidential	Direct	Nonresidential	Soil Saturation	TSCA[3]	TSCA[4]
Sample Date		Finite VSIC for	Soil	Particulate	Contact	Direct	Concentration		
Sample Type		2 Meter Source	Inhalation	Soil		Contact	Screening		
Sample Depth		Thickness		Inhalation			Levels		
	Units	l	m	n	o	p	q	r	s
Metals									
Antimony	µg/kg	NLV	13000000	5900000	180000	670000	NA	NA	NA
Arsenic	µg/kg	NLV	720000	910000	7600	37000	NA	NA	NA
Barium	µg/kg	NLV	330000000	150000000	37000000	130000000	NA	NA	NA
Beryllium	µg/kg	NLV	1300000	590000	410000	1600000	NA	NA	NA
Cadmium	µg/kg	NLV	1700000	2200000	550000	2100000	NA	NA	NA
Chromium	µg/kg	NLV	260000	240000	2500000	9200000	NA	NA	NA
Cobalt	µg/kg	NLV	13000000	5900000	2600000	9000000	NA	NA	NA
Copper	µg/kg	NLV	130000000	59000000	20000000	73000000	NA	NA	NA
Iron	µg/kg	NLV	ID	ID	160000000	580000000	NA	NA	NA
Lead	µg/kg	NLV	100000000	44000000	400000	900000	NA	NA	NA
Manganese	µg/kg	NLV	3300000	1500000	25000000	90000000	NA	NA	NA
Mercury	µg/kg	62000	20000000	8800000	160000	580000	NA	NA	NA
Molybdenum	µg/kg	NLV	ID	ID	2600000	9600000	NA	NA	NA
Nickel	µg/kg	NLV	13000000	16000000	40000000	150000000	NA	NA	NA
Selenium	µg/kg	NLV	130000000	59000000	2600000	9600000	NA	NA	NA
Silver	µg/kg	NLV	6700000	2900000	2500000	9000000	NA	NA	NA
Thallium	µg/kg	NLV	13000000	5900000	35000	130000	NA	NA	NA
Vanadium	µg/kg	NLV	ID	ID	750000	5500000	NA	NA	NA
Zinc	µg/kg	NLV	ID	ID	170000000	630000000	NA	NA	NA
PCBs									
Aroclor-1016 (PCB-1016)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1221 (PCB-1221)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1232 (PCB-1232)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1242 (PCB-1242)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1248 (PCB-1248)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1254 (PCB-1254)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Aroclor-1260 (PCB-1260)	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Total PCBs	µg/kg	28000000	5200000	6500000	4000	16000	NA	1000	10000
Semi-Volatile Organic Compounds (SVOCs)									
2-Methylnaphthalene	µg/kg	1800000	670000000	290000000	8100000	26000000	NA	NA	NA
Acenaphthene	µg/kg	97000000	14000000000	6200000000	41000000	130000000	NA	NA	NA
Acenaphthylene	µg/kg	2700000	2300000000	1000000000	1600000	5200000	NA	NA	NA
Anthracene	µg/kg	1600000000	67000000000	29000000000	230000000	730000000	NA	NA	NA
Benzo(a)anthracene	µg/kg	NLV	ID	ID	20000	80000	NA	NA	NA
Benzo(a)pyrene	µg/kg	NLV	1500000	1900000	2000	8000	NA	NA	NA
Benzo(b)fluoranthene	µg/kg	ID	ID	ID	20000	80000	NA	NA	NA
Benzo(g,h,i)perylene	µg/kg	NLV	800000000	350000000	2500000	7000000	NA	NA	NA
Benzo(k)fluoranthene	µg/kg	NLV	ID	ID	200000	800000	NA	NA	NA
Chrysene	µg/kg	ID	ID	ID	2000000	8000000	NA	NA	NA
Dibenz(a,h)anthracene	µg/kg	NLV	ID	ID	2000	8000	NA	NA	NA
Fluoranthene	µg/kg	880000000	9300000000	4100000000	46000000	130000000	NA	NA	NA
Fluorene	µg/kg	150000000	9300000000	4100000000	27000000	87000000	NA	NA	NA
Indeno(1,2,3-cd)pyrene	µg/kg	NLV	ID	ID	20000	80000	NA	NA	NA

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]							
Sample Identification		Nonresidential	Particulate	Nonresidential	Direct	Nonresidential	Soil Saturation	TSCA[3]	TSCA[4]
Sample Date		Finite VSIC for	Soil	Particulate	Contact	Direct	Concentration		
Sample Type		2 Meter Source	Inhalation	Soil		Contact	Screening		
Sample Depth		Thickness		Inhalation			Levels		
	Units	l	m	n	o	p	q	r	s
SVOCs (continued)									
Naphthalene	µg/kg	350000	200000000	88000000	16000000	52000000	NA	NA	NA
Phenanthrene	µg/kg	190000	6700000	2900000	1600000	5200000	NA	NA	NA
Pyrene	µg/kg	780000000	6700000000	2900000000	29000000	84000000	NA	NA	NA
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane	µg/kg	31000000	67000000000	29000000000	500000000	1000000000	460000	NA	NA
1,1,2,2-Tetrachloroethane	µg/kg	34000	54000000	68000000	53000	240000	870000	NA	NA
1,1,2-Trichloroethane	µg/kg	120000	190000000	250000000	180000	840000	920000	NA	NA
1,1-Dichloroethane	µg/kg	14000000	33000000000	15000000000	27000000	87000000	890000	NA	NA
1,1-Dichloroethene	µg/kg	37000	62000000	78000000	200000	660000	570000	NA	NA
1,2,4-Trichlorobenzene	µg/kg	34000000	25000000000	11000000000	990000	5800000	1100000	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	900	560000	700000	4400000	20000	1200	NA	NA
1,2-Dibromoethane[5]	µg/kg	9800	14000000	18000000	92	430	890000	NA	NA
1,2-Dichlorobenzene	µg/kg	55000000	100000000000	44000000000	19000000	63000000	210000	NA	NA
1,2-Dichloroethane	µg/kg	74000	120000000	150000000	91000	420000	1200000	NA	NA
1,2-Dichloropropane	µg/kg	120000	270000000	120000000	140000	660000	550000	NA	NA
1,3-Dichlorobenzene	µg/kg	110000	200000000	88000000	200000	660000	170000	NA	NA
1,4-Dichlorobenzene	µg/kg	340000	450000000	570000000	400000	1900000	NA	NA	NA
2-Butanone[6]	µg/kg	36000000	67000000000	29000000000	120000000	700000000	27000000	NA	NA
2-Hexanone	µg/kg	1500000	2700000000	1200000000	32000000	100000000	2500000	NA	NA
4-Methyl-2-pentanone[7]	µg/kg	70000000	140000000000	60000000000	56000000	180000000	2700000	NA	NA
Acetone	µg/kg	200000000	390000000000	170000000000	23000000	73000000	110000000	NA	NA
Benzene	µg/kg	230000	380000000	470000000	180000	840000	400000	NA	NA
Bromodichloromethane	µg/kg	57000	84000000	110000000	110000	490000	1500000	NA	NA
Bromoform	µg/kg	3100000	2800000000	3600000000	820000	3800000	870000	NA	NA
Bromomethane (Methyl bromide)	µg/kg	140000	330000000	150000000	320000	1000000	2200000	NA	NA
Carbon disulfide	µg/kg	19000000	47000000000	21000000000	7200000	43000000	280000	NA	NA
Carbon tetrachloride	µg/kg	79000	130000000	170000000	96000	440000	390000	NA	NA
Chlorobenzene	µg/kg	2100000	4700000000	2100000000	4300000	14000000	260000	NA	NA
Chloroethane	µg/kg	280000000	670000000000	290000000000	2600000	12000000	950000	NA	NA
Chloroform (Trichloromethane)	µg/kg	790000	1300000000	1600000000	1200000	5500000	1500000	NA	NA
Chloromethane (Methyl chloride)	µg/kg	2500000	4900000000	2600000000	1600000	7400000	1100000	NA	NA
cis-1,2-Dichloroethene	µg/kg	1000000	2300000000	1000000000	2500000	8000000	640000	NA	NA
cis-1,3-Dichloropropene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	µg/kg	98000	130000000	160000000	110000	500000	610000	NA	NA
Dichlorodifluoromethane (CFC-12)	µg/kg	1400000000	3300000000000	1500000000000	52000000	170000000	1000000	NA	NA
Ethylbenzene	µg/kg	6500000	10000000000	13000000000	22000000	71000000	140000	NA	NA
Isopropyl benzene	µg/kg	3000000	5800000000	2600000000	25000000	80000000	390000	NA	NA
Methyl acetate	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether (MTBE)	µg/kg	89000000	200000000000	88000000000	1500000	7100000	5900000	NA	NA
Methylene chloride	µg/kg	4000000	6600000000	8300000000	1300000	5800000	2300000	NA	NA
Styrene	µg/kg	4200000	5500000000	6900000000	400000	1900000	520000	NA	NA
Tetrachloroethene	µg/kg	1100000	2700000000	1200000000	200000	930000	88000	NA	NA
Toluene	µg/kg	36000000	27000000000	12000000000	50000000	160000000	250000	NA	NA
trans-1,2-Dichloroethene	µg/kg	2000000	4700000000	2100000000	3800000	12000000	1400000	NA	NA
trans-1,3-Dichloropropene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/kg	58000	130000000	59000000	110000	660000	500000	NA	NA
Trichlorofluoromethane (CFC-11)	µg/kg	140000000000	3800000000000	1700000000000	79000000	260000000	560000	NA	NA

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Cleanup Criteria: Residential and Nonresidential*** [1]							
Sample Identification		Nonresidential Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation	Nonresidential Particulate Soil Inhalation	Direct Contact	Nonresidential Direct Contact	Soil Saturation Concentration Screening Levels	TSCA[3]	TSCA[4]
Sample Date									
Sample Type									
Sample Depth									
	Units	l	m	n	o	p	q	r	s
VOCs (continued)									
Trifluorotrichloroethane (Freon 113)	µg/kg	2100000000	5100000000000	2300000000000	1000000000	1000000000	550000	NA	NA
Vinyl chloride	µg/kg	420000	350000000	890000000	3800	34000	490000	NA	NA
Xylenes (total)	µg/kg	130000000	290000000000	130000000000	410000000	1000000000	150000	NA	NA

Notes:
[1] Cleanup Criteria Requirements for Response Activity, Administrative Rules R299.1 to R299.50 effective December 30, 2013 pursuant to 1994 PA 451 as amended.
[2] Carbonate Hardness of 344 mg/L was used to calculate Groundwater-Surface Water Interface Protection Criteria.
[3] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas without further conditions (40 CFR 761.61(a)(4)(i)).
[4] Toxic Substances Control Act (TSCA) Criterion for bulk PCB remediation waste in High Occupancy Areas with restrictions (40 CFR 761.61(a)(4)(i)).
[5] 1,2-Dibromoethane also known as Ethylene dibromide.
[6] 2-Butanone also known as Methyl ethyl ketone (MEK).
[7] 4-Methyl-2-pentanone also known as Methyl isobutyl ketone (MIBK).
J - Estimated concentration.
UJ - Estimated reporting limit.
ID - Insufficient data to develop criterion.
NA - A criterion or value is not available or, in the case of background numbers, not applicable.
NLL - Hazardous substance is not likely to leach under most soil conditions.
NLV - Hazardous substance is not likely to volatilize under most conditions.
-- Parameter was not analyzed.
☐ - Exceeds Generic Cleanup Criteria.
Superscript letter notes the criterion exceeded.

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB311-14*	*SB311-14*
Sample Identification		*SO-17360-041414-DR-006*	*SO-17360-041414-DR-007*	*SO-17360-041414-DR-008*	*SO-17360-041414-DR-009*	*SO-17360-041414-DR-010*	*SO-17360-041414-DR-011*	*SO-17360-041414-DR-012*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth								
	Units							
Metals								
Antimony	µg/kg	96 J	3100	140 J	99 J	95 J	**13000[bc]**	**4500[bc]**
Arsenic	µg/kg	1700	**10000[abcdo]**	1200 J	3000 J	1100 J	**19000[abcdo]**	**11000[abcdo]**
Barium	µg/kg	16000	62000 J	29000 J	**250000 J[a]**	21000 J	**89000 J[a]**	39000 J
Beryllium	µg/kg	150 J	1400	140 J	1400 U	150 J	1100	650 J
Cadmium	µg/kg	68 J	1000	600 J	97 J	34 J	**4400[a]**	**1300[a]**
Chromium	µg/kg	4700	14000	4300	2300 J	14000	**41000[abcd]**	7800
Cobalt	µg/kg	2300	5700 J	1600 J	1200 J	2900 J	**13000 J[abcd]**	4600 J
Copper	µg/kg	4700	**53000 J[a]**	3400 J	4000 J	6100 J	**200000 J[ad]**	**41000 J[a]**
Iron	µg/kg	5000000	**47000000[abc]**	4700000	4400000	6500000	**91000000[abc]**	**34000000[abc]**
Lead	µg/kg	5000	**110000 J[a]**	3700 J	17000 U	3000 J	**270000 J[a]**	**130000 J[a]**
Manganese	µg/kg	120000	260000	240000	150000	68000	**500000[abcd]**	59000
Mercury	µg/kg	8 J	87	8.8 J	4.6 J	2.6 J	**190[ad]**	18 J
Molybdenum	µg/kg	210 J	**4000[b]**	280 J	**2400 J[b]**	330 J	**5600[bc]**	**2700[b]**
Nickel	µg/kg	4500	16000 J	4200 J	4900 J	9600 J	**56000 J[ad]**	12000 J
Selenium	µg/kg	**520 J[ad]**	**2000 J[ad]**	**550 J[ad]**	**780 J[ad]**	**870 J[ad]**	**2800 J[ad]**	**1500 J[ad]**
Silver	µg/kg	7.1 J	67 J	1700 U	3500 U	9.2 J	120 J	22 J
Thallium	µg/kg	51 J	330 J	43 J	17000 U	73 J	300 J	230 J
Vanadium	µg/kg	9300	29000	7200	3900	11000	21000	14000
Zinc	µg/kg	11000	**130000 J[a]**	**620000 J[ad]**	8200 J	14000 J	**150000 J[a]**	16000 J
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1221 (PCB-1221)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1232 (PCB-1232)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1242 (PCB-1242)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1248 (PCB-1248)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1254 (PCB-1254)	µg/kg	86 U	98 U	91 U	140 U	87 U	100 U	93 U
Aroclor-1260 (PCB-1260)	µg/kg	86 U	98 U	91 U	140 U	87 U	200	93 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	200	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	6.8 U	1600	41	12 U	7.1 U	1800	1200
Acenaphthene	µg/kg	6.8 U	7.7 U	7.1 U	12 U	7.1 U	56	7.7 U
Acenaphthylene	µg/kg	6.8 U	750	7.1 U	12 U	7.1 U	180	7.7 U
Anthracene	µg/kg	6.8 U	530	7.1 U	12 U	7.1 U	330	66
Benzo(a)anthracene	µg/kg	6.8 U	830	25	12 U	7.1 U	560	91
Benzo(a)pyrene	µg/kg	6.8 U	1100	7.1 U	12 U	7.1 U	630	94
Benzo(b)fluoranthene	µg/kg	6.8 U	1900	23	12 U	7.1 U	1200	100
Benzo(g,h,i)perylene	µg/kg	6.8 U	430	7.1 U	12 U	7.1 U	570	59
Benzo(k)fluoranthene	µg/kg	6.8 U	700	7.1 U	12 U	7.1 U	360	40
Chrysene	µg/kg	6.8 U	1200	21	12 U	7.1 U	850	130
Dibenz(a,h)anthracene	µg/kg	6.8 U	230	7.1 U	12 U	7.1 U	200	7.7 U
Fluoranthene	µg/kg	6.8 U	1700	7.1 U	12 U	7.1 U	1300	110
Fluorene	µg/kg	6.8 U	120	7.1 U	12 U	7.1 U	79	7.7 U
Indeno(1,2,3-cd)pyrene	µg/kg	6.8 U	750	7.1 U	12 U	7.1 U	630	74

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB311-14*	*SB311-14*
Sample Identification		*SO-17360-041414-DR-006*	*SO-17360-041414-DR-007*	*SO-17360-041414-DR-008*	*SO-17360-041414-DR-009*	*SO-17360-041414-DR-010*	*SO-17360-041414-DR-011*	*SO-17360-041414-DR-012*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth	*Units*							
SVOCs (continued)								
Naphthalene	µg/kg	6.8 U	**1000[d]**	46	12 U	7.1 U	**1400[d]**	**960[d]**
Phenanthrene	µg/kg	30	**2200[d]**	50	12 U	7.1 U	2000	520
Pyrene	µg/kg	6.8 U	1100	7.1 U	12 U	7.1 U	930	110
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,1,2,2-Tetrachloroethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,1,2-Trichloroethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,1-Dichloroethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,1-Dichloroethene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2,4-Trichlorobenzene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2-Dibromoethane[(5)]	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2-Dichlorobenzene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2-Dichloroethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,2-Dichloropropane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,3-Dichlorobenzene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
1,4-Dichlorobenzene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
2-Butanone[(6)]	µg/kg	220 U	530 U	220 U	440 U	220 U	270 J	360 U
2-Hexanone	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
4-Methyl-2-pentanone[(7)]	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Acetone	µg/kg	110 U	260 U	110 U	220 U	110 U	950	230
Benzene	µg/kg	33 U	79 U	33 U	67 U	33 U	**120[bc]**	**1100[bc]**
Bromodichloromethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Bromoform	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Bromomethane (Methyl bromide)	µg/kg	83 U	200 U	82 U	170 U	81 U	160 U	140 U
Carbon disulfide	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Carbon tetrachloride	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Chlorobenzene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Chloroethane	µg/kg	110 U	260 U	110 U	220 U	110 U	220 U	180 U
Chloroform (Trichloromethane)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Chloromethane (Methyl chloride)	µg/kg	110 U	260 U	110 U	220 U	110 U	220 U	180 U
cis-1,2-Dichloroethene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
cis-1,3-Dichloropropene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Cyclohexane	µg/kg	33 U	220	33 U	67 U	33 U	540	840
Dibromochloromethane	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Dichlorodifluoromethane (CFC-12)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Ethylbenzene	µg/kg	33 U	69 J	33 U	67 U	33 U	130	**620[d]**
Isopropyl benzene	µg/kg	33 U	61 J	33 U	67 U	33 U	86	390
Methyl acetate	µg/kg	260	710	560	330 J	98 J	880	340 J
Methyl cyclohexane	µg/kg	33 U	1200	33 U	67 U	33 U	2000	3000
Methyl tert butyl ether (MTBE)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Methylene chloride	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Styrene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Tetrachloroethene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Toluene	µg/kg	33 U	200	33 U	67 U	33 U	890	3300
trans-1,2-Dichloroethene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
trans-1,3-Dichloropropene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Trichloroethene	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Trichlorofluoromethane (CFC-11)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB310-14*	*SB311-14*	*SB311-14*
Sample Identification		*SO-17360-041414-DR-006*	*SO-17360-041414-DR-007*	*SO-17360-041414-DR-008*	*SO-17360-041414-DR-009*	*SO-17360-041414-DR-010*	*SO-17360-041414-DR-011*	*SO-17360-041414-DR-012*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth								
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Vinyl chloride	µg/kg	33 U	79 U	33 U	67 U	33 U	65 U	55 U
Xylenes (total)	µg/kg	99 U	680	98 U	200 U	98 U	**1400**[d]	**3200**[d]

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB311-14*	*SB311-14*	*SB311-14*	*SB312-14*	*SB312-14*	*SB312-14*	*SB312-14*
Sample Identification		*SO-17360-041414-DR-013*	*SO-17360-041414-DR-014*	*SO-17360-041414-DR-015*	*SO-17360-041414-DR-021*	*SO-17360-041414-DR-022*	*SO-17360-041414-DR-023*	*SO-17360-041414-DR-024*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth	*Units*							
Metals								
Antimony	µg/kg	810 J	190 J	110 J	3000	**20000**[bc]	**110000**[bcd]	110 J
Arsenic	µg/kg	**10000**[abcdo]	2900 J	1400 J	**7600**[abcd]	5400	**8800**[abcdo]	2300
Barium	µg/kg	32000 J	**270000 J**[a]	**130000 J**[a]	75000 J	**360000 J**[a]	35000 J	53000 J
Beryllium	µg/kg	380 J	99 J	120 J	830 J	490 J	430 J	90 J
Cadmium	µg/kg	120 J	170 J	110 J	1200	**3400**[a]	**38000**[abcd]	85 J
Chromium	µg/kg	6400	2500 J	6000	17000	17000	8400	5800
Cobalt	µg/kg	2700 J	1500 J	1800 J	5700 J	3600 J	4900 J	1600 J
Copper	µg/kg	20000 J	4200 J	11000 J	**61000 J**[a]	**95000 J**[a]	**44000 J**[a]	4600 J
Iron	µg/kg	**31000000**[abc]	5500000	4500000	**25000000**[abc]	**22000000**[abc]	**25000000**[abc]	4300000
Lead	µg/kg	12000 J	17000 U	2300 J	**160000 J**[a]	**160000 J**[a]	**650000 J**[ao]	2400 J
Manganese	µg/kg	26000	170000	62000	270000	240000	36000	56000
Mercury	µg/kg	71	2.1 J	3.1 J	**170**[ad]	68	33 J	1.9 J
Molybdenum	µg/kg	**1800 J**[b]	**2600 J**[b]	**1700 J**[b]	**2900**[b]	**1800 J**[b]	**2800**[b]	780 J
Nickel	µg/kg	7200 J	4900 J	6000 J	**26000 J**[ad]	20000 J	12000 J	4100 J
Selenium	µg/kg	**1400 J**[ad]	**900 J**[ad]	**1100 J**[ad]	**1300 J**[ad]	**1200 J**[ad]	**1200 J**[ad]	**840 J**[ad]
Silver	µg/kg	13 J	35 J	2400 U	81 J	2100 U	53 J	10 J
Thallium	µg/kg	300 J	17000 U	12000 U	200 J	98 J	200 J	92 J
Vanadium	µg/kg	13000	4300	9000	14000	16000	12000	8500
Zinc	µg/kg	5100 J	6800 J	14000 J	**140000 J**[a]	**150000 J**[a]	12000 J	8000 J
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1221 (PCB-1221)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1232 (PCB-1232)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1242 (PCB-1242)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1248 (PCB-1248)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1254 (PCB-1254)	µg/kg	94 U	140 U	110 U	94 U	95 U	97 U	99 U
Aroclor-1260 (PCB-1260)	µg/kg	94 U	140 U	110 U	560	95 U	97 U	99 U
Total PCBs	µg/kg	ND	ND	ND	560	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	7.7 U	12 U	8.6 U	75 U	1500	79 U	8.1 U
Acenaphthene	µg/kg	7.7 U	12 U	8.6 U	75 U	8000	79 U	8.1 U
Acenaphthylene	µg/kg	7.7 U	12 U	8.6 U	1200	74 U	79 U	8.1 U
Anthracene	µg/kg	7.7 U	12 U	8.6 U	2500	22000	79 U	8.1 U
Benzo(a)anthracene	µg/kg	7.7 U	12 U	8.6 U	3500	**43000**[o]	960	8.1 U
Benzo(a)pyrene	µg/kg	7.7 U	12 U	8.6 U	**4000**[o]	**37000**[op]	1000	8.1 U
Benzo(b)fluoranthene	µg/kg	7.7 U	12 U	8.6 U	6400	**44000**[o]	1100	8.1 U
Benzo(g,h,i)perylene	µg/kg	7.7 U	12 U	8.6 U	1600	8100	900	8.1 U
Benzo(k)fluoranthene	µg/kg	7.7 U	12 U	8.6 U	2500	16000	700	8.1 U
Chrysene	µg/kg	7.7 U	12 U	8.6 U	4100	42000	710	8.1 U
Dibenz(a,h)anthracene	µg/kg	7.7 U	12 U	8.6 U	740	**5100**[o]	340	8.1 U
Fluoranthene	µg/kg	7.7 U	12 U	8.6 U	**10000**[d]	**94000**[d]	680	8.1 U
Fluorene	µg/kg	7.7 U	12 U	8.6 U	1200	**13000**[d]	79 U	8.1 U
Indeno(1,2,3-cd)pyrene	µg/kg	7.7 U	12 U	8.6 U	2400	13000	810	8.1 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB311-14*	*SB311-14*	*SB311-14*	*SB312-14*	*SB312-14*	*SB312-14*	*SB312-14*
Sample Identification		*SO-17360-041414-DR-013*	*SO-17360-041414-DR-014*	*SO-17360-041414-DR-015*	*SO-17360-041414-DR-021*	*SO-17360-041414-DR-022*	*SO-17360-041414-DR-023*	*SO-17360-041414-DR-024*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth	*Units*							
SVOCs (continued)								
Naphthalene	µg/kg	71	12 U	8.6 U	75 U	**2200[d]**	79 U	8.1 U
Phenanthrene	µg/kg	69	12 U	8.6 U	**6200[d]**	**83000[bd]**	79 U	8.1 U
Pyrene	µg/kg	7.7 U	12 U	8.6 U	5100	69000	370	8.1 U
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,1,2,2-Tetrachloroethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,1,2-Trichloroethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,1-Dichloroethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,1-Dichloroethene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2,4-Trichlorobenzene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2-Dibromoethane[(5)]	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2-Dichlorobenzene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2-Dichloroethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,2-Dichloropropane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,3-Dichlorobenzene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
1,4-Dichlorobenzene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
2-Butanone[(6)]	µg/kg	500 U	490 U	260 U	330 U	260 J	570 U	250 U
2-Hexanone	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
4-Methyl-2-pentanone[(7)]	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Acetone	µg/kg	250 U	240 U	130 U	170 U	310	230 J	120 U
Benzene	µg/kg	**1400[bc]**	73 U	39 U	**490[bc]**	**2000[bce]**	86 U	37 U
Bromodichloromethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Bromoform	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Bromomethane (Methyl bromide)	µg/kg	190 U	180 U	98 U	130 U	150 U	210 U	94 U
Carbon disulfide	µg/kg	74 U	73 U	39 U	50 U	67	86 U	37 U
Carbon tetrachloride	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Chlorobenzene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Chloroethane	µg/kg	250 U	240 U	130 U	170 U	200 U	290 U	120 U
Chloroform (Trichloromethane)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Chloromethane (Methyl chloride)	µg/kg	250 U	240 U	130 U	170 U	200 U	290 U	120 U
cis-1,2-Dichloroethene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
cis-1,3-Dichloropropene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Cyclohexane	µg/kg	720	73 U	39 U	320	1200	310	37 U
Dibromochloromethane	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Dichlorodifluoromethane (CFC-12)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Ethylbenzene	µg/kg	**670[d]**	73 U	39 U	170	**1200[d]**	70 J	37 U
Isopropyl benzene	µg/kg	420	73 U	39 U	110	730	49 J	37 U
Methyl acetate	µg/kg	520	250 J	190 J	420	390 J	640	64 J
Methyl cyclohexane	µg/kg	2600	73 U	39 U	1000	4600	1000	37 U
Methyl tert butyl ether (MTBE)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Methylene chloride	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Styrene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Tetrachloroethene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Toluene	µg/kg	4100	73 U	39 U	1000	**6700[d]**	240	37 U
trans-1,2-Dichloroethene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
trans-1,3-Dichloropropene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Trichloroethene	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Trichlorofluoromethane (CFC-11)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB311-14*	*SB311-14*	*SB311-14*	*SB312-14*	*SB312-14*	*SB312-14*	*SB312-14*
Sample Identification		*SO-17360-041414-DR-013*	*SO-17360-041414-DR-014*	*SO-17360-041414-DR-015*	*SO-17360-041414-DR-021*	*SO-17360-041414-DR-022*	*SO-17360-041414-DR-023*	*SO-17360-041414-DR-024*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth	*Units*							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Vinyl chloride	µg/kg	74 U	73 U	39 U	50 U	61 U	86 U	37 U
Xylenes (total)	µg/kg	**3500**[d]	220 U	120 U	**1200**[d]	**7000**[bcd]	730	110 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB312-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB314-14*
Sample Identification		*SO-17360-041414-DR-025*	*SO-17360-041414-DR-031*	*SO-17360-041414-DR-032*	*SO-17360-041414-DR-033*	*SO-17360-041414-DR-034*	*SO-17360-041414-DR-035*	*SO-17360-041414-DR-042*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
Metals								
Antimony	µg/kg	76 J	**8200**[bc]	1000 J	1800 J	76 J	19 J	**9900**[bc]
Arsenic	µg/kg	790 J	**32000**[abcdo]	5800	**11000**[abcdo]	1900	570 J	**15000**[abcdo]
Barium	µg/kg	40000 J	**85000 J**[a]	42000 J	23000 J	12000 J	10000 J	60000
Beryllium	µg/kg	77 J	1000	730 J	250 J	85 J	100 J	1200
Cadmium	µg/kg	88 J	1200	400 J	360 J	100 J	9.3 J	**1700**[a]
Chromium	µg/kg	4700	18000 J	6600 J	5000 J	5100 J	3500 J	**34000**[abcd]
Cobalt	µg/kg	1200 J	**10000**[abcd]	3200	2000 J	1400 J	890 J	6800
Copper	µg/kg	3800 J	**130000**[a]	20000	30000	4500	5100	**94000 J**[a]
Iron	µg/kg	2700000	**86000000**[abc]	**20000000**[abc]	**30000000**[abc]	5800000	2700000	**60000000**[abc]
Lead	µg/kg	1700 J	**110000**[a]	**27000**[a]	19000	2000	1800 J	**230000**[a]
Manganese	µg/kg	41000	**510000**[abcd]	250000	27000	38000	45000	370000
Mercury	µg/kg	36 U	**230**[ad]	32 J	30 J	1.6 J	1.5 J	**200**[ad]
Molybdenum	µg/kg	440 J	**7300**[bc]	**1900 J**[b]	**2100 J**[b]	390 J	82 J	**6200**[bc]
Nickel	µg/kg	3600 J	**32000 J**[ad]	8800 J	6800 J	4600 J	2800 J	**30000**[ad]
Selenium	µg/kg	**750 J**[ad]	**2800**[ad]	**1000 J**[ad]	**1100 J**[ad]	**800 J**[ad]	**570 J**[ad]	**1800 J**[ad]
Silver	µg/kg	2100 U	73 J	15 J	15 J	1700 U	1600 U	96 J
Thallium	µg/kg	75 J	890 J	160 J	300 J	1700 U	200 J	480 J
Vanadium	µg/kg	6000	19000 J	14000 J	8100 J	5800 J	4700 J	19000 J
Zinc	µg/kg	7900 J	**120000 J**[a]	47000 J	6100 J	10000 J	5800 J	**240000**[a]
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1221 (PCB-1221)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1232 (PCB-1232)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1242 (PCB-1242)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1248 (PCB-1248)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1254 (PCB-1254)	µg/kg	90 U	94 U	91 U	96 U	86 U	85 U	99 U
Aroclor-1260 (PCB-1260)	µg/kg	90 U	310	91 U	96 U	86 U	85 U	99 U
Total PCBs	µg/kg	ND	310	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	7.1 U	7.8 U	860	1200	7.0 U	6.9 U	3000
Acenaphthene	µg/kg	7.1 U	7.8 U	74 U	77 U	7.0 U	6.9 U	160
Acenaphthylene	µg/kg	7.1 U	450	74 U	77 U	7.0 U	6.9 U	230
Anthracene	µg/kg	7.1 U	450	74 J	66 J	7.0 U	6.9 U	430
Benzo(a)anthracene	µg/kg	7.1 U	880	74 U	77 U	7.0 U	6.9 U	870
Benzo(a)pyrene	µg/kg	7.1 U	820	140	58 J	7.0 U	6.9 U	920
Benzo(b)fluoranthene	µg/kg	7.1 U	1300	210	89	7.0 U	6.9 U	1900
Benzo(g,h,i)perylene	µg/kg	7.1 U	320	44 J	77 U	7.0 U	6.9 U	390
Benzo(k)fluoranthene	µg/kg	7.1 U	540	85	50 J	7.0 U	6.9 U	820
Chrysene	µg/kg	7.1 U	990	200	130	7.0 U	6.9 U	1300
Dibenz(a,h)anthracene	µg/kg	7.1 U	180	74 U	77 U	7.0 U	6.9 U	83
Fluoranthene	µg/kg	7.1 U	2300	270	97	4.2 J	6.9 U	1800
Fluorene	µg/kg	7.1 U	230	74 U	77 U	7.0 U	6.9 U	180
Indeno(1,2,3-cd)pyrene	µg/kg	7.1 U	420	41 J	77 U	7.0 U	6.9 U	290

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB312-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB314-14*
Sample Identification		*SO-17360-041414-DR-025*	*SO-17360-041414-DR-031*	*SO-17360-041414-DR-032*	*SO-17360-041414-DR-033*	*SO-17360-041414-DR-034*	*SO-17360-041414-DR-035*	*SO-17360-041414-DR-042*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth	*Units*							
SVOCs (continued)								
Naphthalene	µg/kg	7.1 U	7.8 U	700	**950[d]**	7.0 U	6.9 U	**1900[d]**
Phenanthrene	µg/kg	7.1 U	1300	630	610	6.0 J	6.9 U	**5900[d]**
Pyrene	µg/kg	7.1 U	1200	270	140	7.0 U	6.9 U	1800
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,1,2,2-Tetrachloroethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,1,2-Trichloroethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,1-Dichloroethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,1-Dichloroethene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2,4-Trichlorobenzene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2-Dibromoethane[(5)]	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2-Dichlorobenzene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2-Dichloroethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,2-Dichloropropane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,3-Dichlorobenzene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
1,4-Dichlorobenzene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
2-Butanone[(6)]	µg/kg	230 U	390	360 U	230 J	230 U	210 U	430 U
2-Hexanone	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
4-Methyl-2-pentanone[(7)]	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Acetone	µg/kg	110 U	910	180 U	250	110 U	110 U	830
Benzene	µg/kg	34 U	**260[bc]**	**120[bc]**	**420[bc]**	34 U	32 U	**340[bc]**
Bromodichloromethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Bromoform	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Bromomethane (Methyl bromide)	µg/kg	85 U	140 U	140 U	190 U	85 U	79 U	160 U
Carbon disulfide	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	110
Carbon tetrachloride	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Chlorobenzene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Chloroethane	µg/kg	110 U	190 U	180 U	250 U	110 U	110 U	210 U
Chloroform (Trichloromethane)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Chloromethane (Methyl chloride)	µg/kg	110 U	190 U	180 U	250 U	110 U	110 U	210 U
cis-1,2-Dichloroethene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
cis-1,3-Dichloropropene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Cyclohexane	µg/kg	34 U	980	420	790	34 U	32 U	2700
Dibromochloromethane	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Dichlorodifluoromethane (CFC-12)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Ethylbenzene	µg/kg	34 U	300	**400[d]**	**400[d]**	34 U	32 U	**580[d]**
Isopropyl benzene	µg/kg	34 U	210	250	220	34 U	32 U	1900
Methyl acetate	µg/kg	290	3600	190 J	270 J	230 U	1400	3000
Methyl cyclohexane	µg/kg	34 U	4000	1400	2200	34 U	32 U	11000
Methyl tert butyl ether (MTBE)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Methylene chloride	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Styrene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Tetrachloroethene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Toluene	µg/kg	34 U	1500	1000	1400	34 U	32 U	1800
trans-1,2-Dichloroethene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
trans-1,3-Dichloropropene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Trichloroethene	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Trichlorofluoromethane (CFC-11)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB312-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB313-14*	*SB314-14*
Sample Identification		*SO-17360-041414-DR-025*	*SO-17360-041414-DR-031*	*SO-17360-041414-DR-032*	*SO-17360-041414-DR-033*	*SO-17360-041414-DR-034*	*SO-17360-041414-DR-035*	*SO-17360-041414-DR-042*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Vinyl chloride	µg/kg	34 U	58 U	54 U	74 U	34 U	32 U	64 U
Xylenes (total)	µg/kg	100 U	**2500**[d]	**2100**[d]	**2700**[d]	100 U	95 U	**3100**[d]

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB315-14*	*SB315-14*
Sample Identification		*SO-17360-041414-DR-043*	*SO-17360-041414-DR-044*	*SO-17360-041414-DR-045*	*SO-17360-041414-DR-046*	*SO-17360-041414-DR-047*	*SO-17360-041414-DR-053*	*SO-17360-041414-DR-054*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth				*Duplicate*				
	Units							
Metals								
Antimony	µg/kg	3500	210 J	400 J	1800 U	1700 U	**9100**[bc]	250 J
Arsenic	µg/kg	**12000**[abcdo]	2900	5100	1500 J	1200 J	**13000**[abcdo]	2000 J
Barium	µg/kg	63000	25000	31000	4100	3400	**79000**[a]	42000
Beryllium	µg/kg	1300	150 J	260 J	73 J	54 J	730 J	250 J
Cadmium	µg/kg	**1300**[a]	98 J	200 J	21 J	13 J	**1800**[a]	170 J
Chromium	µg/kg	9400	4300	8000	3100	5000	**45000**[abcd]	5000
Cobalt	µg/kg	4600	2200	2800	1400 J	1600 J	5400	2000 J
Copper	µg/kg	**65000 J**[a]	6300 J	11000 J	3600 J	3600 J	**120000 J**[a]	5200 J
Iron	µg/kg	**41000000**[abc]	6400000	9900000	3300000	3600000	**37000000**[abc]	6700000
Lead	µg/kg	**100000**[a]	7100	11000	1400 J	2100 J	**280000**[a]	7700
Manganese	µg/kg	320000	290000	340000	29000	61000	**1000000**[abcd]	320000
Mercury	µg/kg	110	21 J	12 J	2.2 J	2.1 J	**200**[ad]	9.7 J
Molybdenum	µg/kg	**2500**[b]	470 J	1200 J	1800 U	87 J	**3900**[b]	420 J
Nickel	µg/kg	13000	5200	6900	3100	4100	20000	4000
Selenium	µg/kg	**2100 J**[ad]	**630 J**[ad]	**730 J**[ad]	**600 J**[ad]	380 J	**1800 J**[ad]	**750 J**[ad]
Silver	µg/kg	68 J	2000 U	2200 U	1800 U	1700 U	160 J	16 J
Thallium	µg/kg	390 J	61 J	79 J	48 J	8500 U	22000 U	68 J
Vanadium	µg/kg	20000 J	6700 J	10000 J	5100 J	6200 J	12000 J	10000 J
Zinc	µg/kg	**190000**[a]	25000	35000	7800	7200	**290000**[a]	27000
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1221 (PCB-1221)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1232 (PCB-1232)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1242 (PCB-1242)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1248 (PCB-1248)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1254 (PCB-1254)	µg/kg	91 U	87 U	86 U	84 U	81 U	94 U	90 U
Aroclor-1260 (PCB-1260)	µg/kg	91 U	87 U	86 U	84 U	81 U	**3500**[r]	90 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	**3500**[r]	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	680	95	130	6.8 U	6.7 U	4100	59
Acenaphthene	µg/kg	160	7.0 U	7.1 U	6.8 U	6.7 U	150 U	7.1 U
Acenaphthylene	µg/kg	200	4.2 J	7.1 J	6.8 U	6.7 U	1200	7.1 U
Anthracene	µg/kg	700	9.1	15	6.8 U	6.7 U	1400	7.1 U
Benzo(a)anthracene	µg/kg	1300	7.0 U	14	6.8 U	6.7 U	3300	53
Benzo(a)pyrene	µg/kg	1100	17	30	6.8 U	6.7 U	**3100**[o]	60
Benzo(b)fluoranthene	µg/kg	1500	27	54	6.8 U	6.7 U	5000	71
Benzo(g,h,i)perylene	µg/kg	380	10	17	6.8 U	6.7 U	2200	39
Benzo(k)fluoranthene	µg/kg	660	11	21	6.8 U	6.7 U	1400	29
Chrysene	µg/kg	1600	31	53	6.8 U	6.7 U	3600	50
Dibenz(a,h)anthracene	µg/kg	60 J	7.0 U	6.1 J	6.8 U	6.7 U	740	7.1 U
Fluoranthene	µg/kg	3100	29	61	6.8 U	6.7 U	**7200**[d]	61
Fluorene	µg/kg	250	7.0 U	7.1 J	6.8 U	6.7 U	440	7.1 U
Indeno(1,2,3-cd)pyrene	µg/kg	380	8.1	14	6.8 U	6.7 U	2500	71

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB315-14*	*SB315-14*
Sample Identification		*SO-17360-041414-DR-043*	*SO-17360-041414-DR-044*	*SO-17360-041414-DR-045*	*SO-17360-041414-DR-046*	*SO-17360-041414-DR-047*	*SO-17360-041414-DR-053*	*SO-17360-041414-DR-054*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth				*Duplicate*				
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	500	76	100	6.8 U	6.7 U	**3300[d]**	42
Phenanthrene	µg/kg	**4600[d]**	78	130	6.8 U	6.7 U	**6000[d]**	58
Pyrene	µg/kg	3000	29	55	6.8 U	6.7 U	5200	46
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,1,2,2-Tetrachloroethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,1,2-Trichloroethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,1-Dichloroethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,1-Dichloroethene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2,4-Trichlorobenzene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2-Dibromoethane[(5)]	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2-Dichlorobenzene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2-Dichloroethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,2-Dichloropropane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,3-Dichlorobenzene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
1,4-Dichlorobenzene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
2-Butanone[(6)]	µg/kg	400 U	220 U	220 U	220 U	230 U	310 U	220 U
2-Hexanone	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
4-Methyl-2-pentanone[(7)]	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Acetone	µg/kg	200 U	110 U	110 U	110 U	110 U	1600	110 U
Benzene	µg/kg	60 U	**110 J[bc]**	33 UJ	33 U	34 U	**350[bc]**	33 U
Bromodichloromethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Bromoform	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Bromomethane (Methyl bromide)	µg/kg	150 U	81 U	83 U	82 U	86 U	120 U	82 U
Carbon disulfide	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	92
Carbon tetrachloride	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Chlorobenzene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Chloroethane	µg/kg	200 U	110 U	110 U	110 U	110 U	150 U	110 U
Chloroform (Trichloromethane)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Chloromethane (Methyl chloride)	µg/kg	200 U	110 U	110 U	110 U	110 U	150 U	110 U
cis-1,2-Dichloroethene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
cis-1,3-Dichloropropene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Cyclohexane	µg/kg	60 U	150 J	33 UJ	33 U	34 U	1800	33 U
Dibromochloromethane	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Dichlorodifluoromethane (CFC-12)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Ethylbenzene	µg/kg	60 U	350 J	33 UJ	33 U	34 U	**540[d]**	33 U
Isopropyl benzene	µg/kg	60 U	92	33 U	33 U	34 U	290	33 U
Methyl acetate	µg/kg	810	1300	610	700	840	730	840
Methyl cyclohexane	µg/kg	810	570 J	33 UJ	33 U	34 U	6400	190
Methyl tert butyl ether (MTBE)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Methylene chloride	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Styrene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Tetrachloroethene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Toluene	µg/kg	87	1300 J	33 UJ	33 U	34 U	1900	33 U
trans-1,2-Dichloroethene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
trans-1,3-Dichloropropene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Trichloroethene	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Trichlorofluoromethane (CFC-11)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB314-14*	*SB315-14*	*SB315-14*
Sample Identification		*SO-17360-041414-DR-043*	*SO-17360-041414-DR-044*	*SO-17360-041414-DR-045*	*SO-17360-041414-DR-046*	*SO-17360-041414-DR-047*	*SO-17360-041414-DR-053*	*SO-17360-041414-DR-054*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*
Sample Depth				*Duplicate*				
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Vinyl chloride	µg/kg	60 U	33 U	33 U	33 U	34 U	46 U	33 U
Xylenes (total)	µg/kg	240	**1600 J[d]**	99 UJ	99 U	100 U	**4200[d]**	98 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB315-14*	*SB315-14*	*SB315-14*	*SB315-14*	*SB316-14*	*SB316-14*	*SB316-14*
Sample Identification		*SO-17360-041414-DR-055*	*SO-17360-041414-DR-056*	*SO-17360-041414-DR-057*	*SO-17360-041414-DR-058*	*SO-17360-041414-DR-064*	*SO-17360-041414-DR-065*	*SO-17360-041414-DR-066*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth		*Duplicate*						
	Units							
Metals								
Antimony	µg/kg	300 J	310 J	75 J	17 J	**4800**[bc]	1400 J	460 J
Arsenic	µg/kg	1900 J	3000	1300 J	900 J	**11000**[abcdo]	**7400**[abcd]	**10000**[abcdo]
Barium	µg/kg	47000	46000	10000	3600	67000 J	39000 J	24000 J
Beryllium	µg/kg	220 J	160 J	83 J	61 J	1100	750 J	250 J
Cadmium	µg/kg	200 J	92 J	8.8 J	11 J	1000	610 J	60 J
Chromium	µg/kg	4900	4500	5100	3500	**22000**[ad]	6100	4600
Cobalt	µg/kg	2100	1900 J	1100 J	1600 J	5700 J	5100 J	2700 J
Copper	µg/kg	6800 J	4600 J	7700 J	2500 J	**73000**[a]	26000	9900
Iron	µg/kg	5500000	7400000	3900000	2500000	**37000000**[abc]	**21000000**[abc]	**25000000**[abc]
Lead	µg/kg	16000	5600	2400	1300 J	**140000 J**[a]	**23000 J**[a]	4700 J
Manganese	µg/kg	340000	260000	23000	44000	230000	170000	27000
Mercury	µg/kg	15 J	8.8 J	4.7 J	0.8 J	98	23 J	34 J
Molybdenum	µg/kg	340 J	760 J	240 J	90 J	**5200**[bc]	**2200**[b]	**1600 J**[b]
Nickel	µg/kg	3800	3800	3400	3300	**22000 J**[ad]	14000 J	7700 J
Selenium	µg/kg	**630 J**[ad]	**710 J**[ad]	**800 J**[ad]	**530 J**[ad]	**1900 J**[ad]	**1500 J**[ad]	**920 J**[ad]
Silver	µg/kg	2000 U	1900 U	11 J	1600 U	81 J	31 J	19 J
Thallium	µg/kg	54 J	53 J	1700 U	1600 U	410 J	140 J	120 J
Vanadium	µg/kg	7800 J	7800 J	4900 J	4900 J	18000	12000	8400
Zinc	µg/kg	44000	18000	8100	6800	**130000**[a]	**110000**[a]	24000
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1221 (PCB-1221)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1232 (PCB-1232)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1242 (PCB-1242)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1248 (PCB-1248)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1254 (PCB-1254)	µg/kg	87 U	89 U	88 U	85 U	99 U	94 U	99 U
Aroclor-1260 (PCB-1260)	µg/kg	87 U	89 U	88 U	85 U	120	94 U	99 U
Total PCBs	µg/kg	ND	ND	ND	ND	120	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	83	7.3 U	7.2 U	6.8 U	2600	600	1000
Acenaphthene	µg/kg	7.1 U	7.3 U	7.2 U	6.8 U	160	76 U	8.0 U
Acenaphthylene	µg/kg	7.1 U	7.3 U	7.2 U	6.8 U	330	1900	8.0 U
Anthracene	µg/kg	7.1 U	7.3 U	7.2 U	6.8 U	580	1700	110
Benzo(a)anthracene	µg/kg	44	7.3 U	7.2 U	6.8 U	1200	6400	110
Benzo(a)pyrene	µg/kg	49	7.3 U	7.2 U	6.8 U	1100	**8700**[op]	110
Benzo(b)fluoranthene	µg/kg	63	7.3 U	7.2 U	6.8 U	1200	14000	130
Benzo(g,h,i)perylene	µg/kg	37	7.3 U	7.2 U	6.8 U	670	2600	73
Benzo(k)fluoranthene	µg/kg	20	7.3 U	7.2 U	6.8 U	1300	4100	39
Chrysene	µg/kg	41	7.3 U	7.2 U	6.8 U	1300	7700	170
Dibenz(a,h)anthracene	µg/kg	7.1 U	7.3 U	7.2 U	6.8 U	290	1200	8.0 U
Fluoranthene	µg/kg	48	7.3 U	7.2 U	6.8 U	2300	**5900**[d]	140
Fluorene	µg/kg	7.1 U	7.3 U	7.2 U	6.8 U	160	76 U	8.0 U
Indeno(1,2,3-cd)pyrene	µg/kg	42	7.3 U	7.2 U	6.8 U	800	3700	86

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB315-14*	*SB315-14*	*SB315-14*	*SB315-14*	*SB316-14*	*SB316-14*	*SB316-14*
Sample Identification		*SO-17360-041414-DR-055*	*SO-17360-041414-DR-056*	*SO-17360-041414-DR-057*	*SO-17360-041414-DR-058*	*SO-17360-041414-DR-064*	*SO-17360-041414-DR-065*	*SO-17360-041414-DR-066*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth		*Duplicate*						
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	64	7.3 U	7.2 U	6.8 U	**1700[d]**	**1100[d]**	640
Phenanthrene	µg/kg	67	7.3 U	7.2 U	6.8 U	**3700[d]**	1800	580
Pyrene	µg/kg	40	7.3 U	7.2 U	6.8 U	1600	10000	140
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,1,2,2-Tetrachloroethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,1,2-Trichloroethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,1-Dichloroethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,1-Dichloroethene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2,4-Trichlorobenzene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2-Dibromoethane[(5)]	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2-Dichlorobenzene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2-Dichloroethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,2-Dichloropropane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,3-Dichlorobenzene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
1,4-Dichlorobenzene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
2-Butanone[(6)]	µg/kg	220 U	240 U	220 U	210 U	380 U	260 U	420 U
2-Hexanone	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
4-Methyl-2-pentanone[(7)]	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Acetone	µg/kg	110 U	120 U	110 U	110 U	690	130 U	210 U
Benzene	µg/kg	33 U	36 U	33 U	32 U	**650[bc]**	38 U	**230[bc]**
Bromodichloromethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Bromoform	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Bromomethane (Methyl bromide)	µg/kg	82 U	89 U	82 U	79 U	140 U	96 U	160 U
Carbon disulfide	µg/kg	110	36 U	73	32 U	56 U	38 U	62 U
Carbon tetrachloride	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Chlorobenzene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Chloroethane	µg/kg	110 U	120 U	110 U	110 U	190 U	130 U	210 UJ
Chloroform (Trichloromethane)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Chloromethane (Methyl chloride)	µg/kg	110 U	120 U	110 U	110 U	190 U	130 U	210 U
cis-1,2-Dichloroethene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
cis-1,3-Dichloropropene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Cyclohexane	µg/kg	33 U	36 U	33 U	32 U	1200	270	270
Dibromochloromethane	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Dichlorodifluoromethane (CFC-12)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Ethylbenzene	µg/kg	33 U	36 U	33 U	32 U	**510[d]**	89	210
Isopropyl benzene	µg/kg	33 U	36 U	33 U	32 U	250	100	170
Methyl acetate	µg/kg	780	850	220 U	1000	730	1600	2700
Methyl cyclohexane	µg/kg	170	36 U	33 U	32 U	4500	1300	1300
Methyl tert butyl ether (MTBE)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Methylene chloride	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Styrene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Tetrachloroethene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Toluene	µg/kg	33 U	36 U	33 U	32 U	3100	170	940
trans-1,2-Dichloroethene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
trans-1,3-Dichloropropene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Trichloroethene	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Trichlorofluoromethane (CFC-11)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB315-14*	*SB315-14*	*SB315-14*	*SB315-14*	*SB316-14*	*SB316-14*	*SB316-14*
Sample Identification		*SO-17360-041414-DR-055*	*SO-17360-041414-DR-056*	*SO-17360-041414-DR-057*	*SO-17360-041414-DR-058*	*SO-17360-041414-DR-064*	*SO-17360-041414-DR-065*	*SO-17360-041414-DR-066*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth		*Duplicate*						
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Vinyl chloride	µg/kg	33 U	36 U	33 U	32 U	56 U	38 U	62 U
Xylenes (total)	µg/kg	98 U	110 U	98 U	95 U	**3700**[d]	820	**1200**[d]

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB316-14*	*SB316-14*	*SB316-14*	*SB317-14*	*SB317-14*	*SB317-14*	*SB317-14*
Sample Identification		*SO-17360-041414-DR-067*	*SO-17360-041414-DR-068*	*SO-17360-041414-DR-069*	*SO-17360-041414-DR-001*	*SO-17360-041414-DR-002*	*SO-17360-041414-DR-003*	*SO-17360-041414-DR-004*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth			*Duplicate*					
	Units							
Metals								
Antimony	µg/kg	790 J	1400 J	160 J	570	75 J	200 J	440 J
Arsenic	µg/kg	**11000**[abcdo]	**22000**[abcdo]	2500	3600	1400	900	**15000**[abcdo]
Barium	µg/kg	29000 J	35000 J	23000 J	7500	5400	6300	**1100000**[ad]
Beryllium	µg/kg	710 J	590 J	35 J	140 J	81 J	210	500 J
Cadmium	µg/kg	370 J	290 J	21 J	78 J	17 J	79 J	930 J
Chromium	µg/kg	7400	7800	9200	1700	1400	2600	**28000**[ad]
Cobalt	µg/kg	2600 J	2700 J	870 J	910	1400	1300	**12000**[abcd]
Copper	µg/kg	26000	26000	5400	8300	4400	5900	30000
Iron	µg/kg	**25000000**[abc]	**29000000**[abc]	5300000	7100000	11000000	4300000	**32000000**[abc]
Lead	µg/kg	15000 J	17000 J	2800 J	8300	1000	3700	16000
Manganese	µg/kg	27000	22000	18000	15000	4500	50000	**710000**[abcd]
Mercury	µg/kg	55 J	56	5.2 J	31 J	14 J	25 J	3.8 J
Molybdenum	µg/kg	**1600 J**[b]	**2200 J**[b]	760 J	700	950	360 J	**13000**[bc]
Nickel	µg/kg	11000 J	9900 J	3000 J	2200	3700	4000	**36000**[ad]
Selenium	µg/kg	**3200**[ad]	**2600**[ad]	**1100 J**[ad]	380 J	210 J	410 J	**8000**[abcd]
Silver	µg/kg	29 J	22 J	2300 U	6.1 J	2 J	3 J	69 J
Thallium	µg/kg	380 J	430 J	120 J	36 J	41 J	40 J	1000 J
Vanadium	µg/kg	15000	23000	6600	3200	2600	4700	45000
Zinc	µg/kg	33000	9600	7800	3100	610 J	19000	**58000**[a]
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1221 (PCB-1221)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1232 (PCB-1232)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1242 (PCB-1242)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1248 (PCB-1248)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1254 (PCB-1254)	µg/kg	110 U	110 U	91 U	100 U	92 U	88 U	140 U
Aroclor-1260 (PCB-1260)	µg/kg	110 U	110 U	91 U	160	92 U	88 U	140 U
Total PCBs	µg/kg	ND	ND	ND	160	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	820	1100	7.4 U	3400	2200	310	12 U
Acenaphthene	µg/kg	18 U	17 U	7.4 U	7.9 U	7.5 U	7.3 U	12 U
Acenaphthylene	µg/kg	18 U	17 U	7.4 U	580	7.5 U	7.3 U	12 U
Anthracene	µg/kg	81	67	7.4 U	370	110	68	12 U
Benzo(a)anthracene	µg/kg	130	120	7.4 U	750	150	140	12 U
Benzo(a)pyrene	µg/kg	170	130	7.4 U	770	140	130	12 U
Benzo(b)fluoranthene	µg/kg	190	160	7.4 U	1500	170	200	12 U
Benzo(g,h,i)perylene	µg/kg	100	89	7.4 U	430	87	78	12 U
Benzo(k)fluoranthene	µg/kg	66	69	7.4 U	540	61	57	12 U
Chrysene	µg/kg	150	170	7.4 U	1100	200	160	12 U
Dibenz(a,h)anthracene	µg/kg	18 U	17 U	7.4 U	160	7.5 U	7.3 U	12 U
Fluoranthene	µg/kg	180	150	7.4 U	1400	210	210	12 U
Fluorene	µg/kg	18 U	17 U	7.4 U	87	7.5 U	7.3 U	12 U
Indeno(1,2,3-cd)pyrene	µg/kg	170	94	7.4 U	540	78	84	12 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB316-14*	*SB316-14*	*SB316-14*	*SB317-14*	*SB317-14*	*SB317-14*	*SB317-14*
Sample Identification		*SO-17360-041414-DR-067*	*SO-17360-041414-DR-068*	*SO-17360-041414-DR-069*	*SO-17360-041414-DR-001*	*SO-17360-041414-DR-002*	*SO-17360-041414-DR-003*	*SO-17360-041414-DR-004*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth			*Duplicate*					
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	570	**740[d]**	7.4 U	**2600[d]**	**1600[d]**	220	12 U
Phenanthrene	µg/kg	450	520	7.4 U	1700	860	280	12 U
Pyrene	µg/kg	140	130	7.4 U	750	140	120	12 U
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,1,2,2-Tetrachloroethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,1,2-Trichloroethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,1-Dichloroethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,1-Dichloroethene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2,4-Trichlorobenzene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2-Dibromoethane[(5)]	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2-Dichlorobenzene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2-Dichloroethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,2-Dichloropropane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,3-Dichlorobenzene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
1,4-Dichlorobenzene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
2-Butanone[(6)]	µg/kg	410 U	490 U	230 U	480 U	320 U	330 U	500 U
2-Hexanone	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
4-Methyl-2-pentanone[(7)]	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Acetone	µg/kg	210 U	250 U	110 U	530	160 U	160 U	250 U
Benzene	µg/kg	62 U	74 U	34 U	**570[bc]**	48 U	49 U	74 U
Bromodichloromethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Bromoform	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Bromomethane (Methyl bromide)	µg/kg	150 U	180 U	85 U	180 U	120 U	120 U	190 U
Carbon disulfide	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Carbon tetrachloride	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Chlorobenzene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Chloroethane	µg/kg	210 U	250 U	110 U	240 U	160 U	160 U	250 U
Chloroform (Trichloromethane)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Chloromethane (Methyl chloride)	µg/kg	210 U	250 U	110 U	240 U	160 U	160 U	250 U
cis-1,2-Dichloroethene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
cis-1,3-Dichloropropene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Cyclohexane	µg/kg	62 U	74 U	34 U	1100	110	200	74 U
Dibromochloromethane	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Dichlorodifluoromethane (CFC-12)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Ethylbenzene	µg/kg	62 U	74 U	34 U	**760[d]**	52	44 J	74 U
Isopropyl benzene	µg/kg	62 U	74 U	34 U	690	37 J	22 J	74 U
Methyl acetate	µg/kg	410 U	490 U	1200	310 J	320 U	170 J	260 J
Methyl cyclohexane	µg/kg	400	670	34 U	4400	600	590	74 U
Methyl tert butyl ether (MTBE)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Methylene chloride	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Styrene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Tetrachloroethene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Toluene	µg/kg	140	210	34 U	2700	150	120	74 U
trans-1,2-Dichloroethene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
trans-1,3-Dichloropropene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Trichloroethene	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Trichlorofluoromethane (CFC-11)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB316-14*	*SB316-14*	*SB316-14*	*SB317-14*	*SB317-14*	*SB317-14*	*SB317-14*
Sample Identification		*SO-17360-041414-DR-067*	*SO-17360-041414-DR-068*	*SO-17360-041414-DR-069*	*SO-17360-041414-DR-001*	*SO-17360-041414-DR-002*	*SO-17360-041414-DR-003*	*SO-17360-041414-DR-004*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth			*Duplicate*					
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Vinyl chloride	µg/kg	62 U	74 U	34 U	73 U	48 U	49 U	74 U
Xylenes (total)	µg/kg	290	580	100 U	**5300**[d]	600	470	220 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB317-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB319-14*
Sample Identification		*SO-17360-041414-DR-005*	*SO-17360-041414-DR-016*	*SO-17360-041414-DR-017*	*SO-17360-041414-DR-018*	*SO-17360-041414-DR-019*	*SO-17360-041414-DR-020*	*SO-17360-041414-DR-026*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
Metals								
Antimony	µg/kg	470 J	2400	**6100[bc]**	3000	140 J	55 J	**13000[bc]**
Arsenic	µg/kg	4100	**15000[abcdo]**	**13000[abcdo]**	**7400[abcd]**	**12000[abcdo]**	990 J	**24000[abcdo]**
Barium	µg/kg	**670000[a]**	39000 J	53000 J	45000 J	**220000 J[a]**	**150000 J[a]**	52000 J
Beryllium	µg/kg	360 J	940	1100	590 J	1400 U	68 J	1100
Cadmium	µg/kg	500 J	500 J	**1800[a]**	710 J	97 J	63 J	**2100[a]**
Chromium	µg/kg	**22000[ad]**	8400	9200	6800	1500 J	4500	11000
Cobalt	µg/kg	**7600[abcd]**	4600 J	**7400 J[abcd]**	3800 J	1600 J	1600 J	6200 J
Copper	µg/kg	21000	25000 J	**130000 J[a]**	26000 J	4100 J	4800 J	**100000 J[a]**
Iron	µg/kg	**21000000[abc]**	**36000000[abc]**	**38000000[abc]**	**18000000[abc]**	7200000	4900000	**35000000[abc]**
Lead	µg/kg	10000	**51000 J[a]**	**110000 J[a]**	**41000 J[a]**	18000 U	2100 J	**180000 J[a]**
Manganese	µg/kg	300000	100000	**500000[abcd]**	180000	150000	140000	97000
Mercury	µg/kg	2.2 J	45 J	37 J	56	4.6 J	1.5 J	99
Molybdenum	µg/kg	**9100[bc]**	**2500[b]**	**2500 J[b]**	1400 J	**3300 J[b]**	**2100 J[b]**	**3500[b]**
Nickel	µg/kg	**24000[ad]**	12000 J	19000 J	9900 J	4800 J	5100 J	16000 J
Selenium	µg/kg	**6600[abcd]**	**1600 J[ad]**	**2100 J[ad]**	**1800 J[ad]**	**1200 J[ad]**	**1200 J[ad]**	**2600 J[ad]**
Silver	µg/kg	61 J	29 J	31 J	23 J	3500 U	3000 U	64 J
Thallium	µg/kg	1000 J	290 J	480 J	260 J	18000 U	15000 U	310 J
Vanadium	µg/kg	40000	18000	14000	16000	5900	6000	22000
Zinc	µg/kg	41000	32000 J	30000 J	44000 J	6900 J	11000 J	**79000 J[a]**
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1221 (PCB-1221)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1232 (PCB-1232)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1242 (PCB-1242)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1248 (PCB-1248)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1254 (PCB-1254)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Aroclor-1260 (PCB-1260)	µg/kg	110 U	99 U	100 U	92 U	170 U	130 U	100 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	9.4 U	80 U	79 U	74 U	14 U	11 U	80 U
Acenaphthene	µg/kg	9.4 U	80 U	79 U	74 U	14 U	11 U	80 U
Acenaphthylene	µg/kg	9.4 U	3000	1500	74 U	14 U	11 U	80 U
Anthracene	µg/kg	9.4 U	1100	79 U	74 U	14 U	11 U	250
Benzo(a)anthracene	µg/kg	9.4 U	4500	1400	470	14 U	11 U	790
Benzo(a)pyrene	µg/kg	9.4 U	**5400[o]**	**2300[o]**	820	130	11 U	1400
Benzo(b)fluoranthene	µg/kg	9.4 U	12000	4000	1200	140	11 U	2100
Benzo(g,h,i)perylene	µg/kg	9.4 U	2800	1000	1300	78	11 U	910
Benzo(k)fluoranthene	µg/kg	9.4 U	3800	1700	410	74	11 U	900
Chrysene	µg/kg	9.4 U	5700	1600	450	14 U	11 U	910
Dibenz(a,h)anthracene	µg/kg	9.4 U	1400	540	360	14 U	11 U	490
Fluoranthene	µg/kg	9.4 U	5400	1300	74 U	14 U	11 U	860
Fluorene	µg/kg	9.4 U	80 U	79 U	74 U	14 U	11 U	80 U
Indeno(1,2,3-cd)pyrene	µg/kg	9.4 U	3300	1400	1100	120	11 U	1400

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB317-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB319-14*
Sample Identification		*SO-17360-041414-DR-005*	*SO-17360-041414-DR-016*	*SO-17360-041414-DR-017*	*SO-17360-041414-DR-018*	*SO-17360-041414-DR-019*	*SO-17360-041414-DR-020*	*SO-17360-041414-DR-026*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	9.4 U	80 U	79 U	74 U	14 U	11 U	80 U
Phenanthrene	µg/kg	9.4 U	570	79 U	74 U	14 U	11 U	200
Pyrene	µg/kg	9.4 U	4300	1100	74 U	14 U	11 U	540
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,1,2,2-Tetrachloroethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,1,2-Trichloroethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,1-Dichloroethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,1-Dichloroethene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2,4-Trichlorobenzene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2-Dibromoethane[5]	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2-Dichlorobenzene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2-Dichloroethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,2-Dichloropropane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,3-Dichlorobenzene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
1,4-Dichlorobenzene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
2-Butanone[6]	µg/kg	280 U	450 U	590 U	450 U	640 U	320 U	520 U
2-Hexanone	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
4-Methyl-2-pentanone[7]	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Acetone	µg/kg	140 U	250	300 U	230 U	320 U	160 U	260 U
Benzene	µg/kg	42 U	67 U	**370[bc]**	**170[bc]**	96 U	48 U	59 J
Bromodichloromethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Bromoform	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Bromomethane (Methyl bromide)	µg/kg	110 U	170 U	220 U	170 U	240 U	120 U	200 U
Carbon disulfide	µg/kg	42 U	67 U	120	68 U	96 U	48 U	78 U
Carbon tetrachloride	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Chlorobenzene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Chloroethane	µg/kg	140 U	220 U	300 U	230 U	320 U	160 U	260 U
Chloroform (Trichloromethane)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Chloromethane (Methyl chloride)	µg/kg	140 U	220 U	300 U	230 U	320 U	160 U	260 U
cis-1,2-Dichloroethene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
cis-1,3-Dichloropropene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Cyclohexane	µg/kg	42 U	290	1200	240	96 U	48 U	190
Dibromochloromethane	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Dichlorodifluoromethane (CFC-12)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Ethylbenzene	µg/kg	42 U	110	**1100[d]**	110	96 U	48 U	110
Isopropyl benzene	µg/kg	42 U	100	890	44 J	96 U	48 U	69 J
Methyl acetate	µg/kg	270 J	570	510 J	420 J	260 J	150 J	1200
Methyl cyclohexane	µg/kg	42 U	1100	4000	870	96 U	48 U	770
Methyl tert butyl ether (MTBE)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Methylene chloride	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Styrene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Tetrachloroethene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Toluene	µg/kg	42 U	260	2800	460	96 U	48 U	270
trans-1,2-Dichloroethene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
trans-1,3-Dichloropropene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Trichloroethene	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Trichlorofluoromethane (CFC-11)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB317-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB318-14*	*SB319-14*
Sample Identification		*SO-17360-041414-DR-005*	*SO-17360-041414-DR-016*	*SO-17360-041414-DR-017*	*SO-17360-041414-DR-018*	*SO-17360-041414-DR-019*	*SO-17360-041414-DR-020*	*SO-17360-041414-DR-026*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Vinyl chloride	µg/kg	42 U	67 U	89 U	68 U	96 U	48 U	78 U
Xylenes (total)	µg/kg	130 U	740	**6100**[bcd]	**900**[d]	290 U	150 U	730

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB319-14*	*SB319-14*	*SB319-14*	*SB319-14*	*SB320-14*	*SB320-14*	*SB320-14*
Sample Identification		*SO-17360-041414-DR-027*	*SO-17360-041414-DR-028*	*SO-17360-041414-DR-029*	*SO-17360-041414-DR-030*	*SO-17360-041414-DR-036*	*SO-17360-041414-DR-037*	*SO-17360-041414-DR-038*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth								
	Units							
Metals								
Antimony	µg/kg	2900	1300 J	120 J	74 J	2400 J	480 J	540 J
Arsenic	µg/kg	**13000**[abcdo]	**8100**[abcdo]	**6500**[abcd]	3100 U	**10000**[abcdo]	**7800**[abcdo]	3400
Barium	µg/kg	27000 J	70000 J	**190000 J**[a]	**140000 J**[a]	54000 J	30000 J	20000 J
Beryllium	µg/kg	570 J	960	35 J	100 J	490 J	400 J	270 J
Cadmium	µg/kg	480 J	660 J	110 J	120 J	440 J	100 J	300 J
Chromium	µg/kg	6500 J	7900 J	1700 J	5500 J	5500 J	5500 J	6200 J
Cobalt	µg/kg	3400	5500	1300 J	1800 J	5300	6200	3000
Copper	µg/kg	**33000**[a]	27000	3700 J	7300	**33000**[a]	19000	14000
Iron	µg/kg	**34000000**[abc]	**23000000**[abc]	5900000	4800000	**22000000**[abc]	**29000000**[abc]	9600000
Lead	µg/kg	**81000**[a]	**39000**[a]	2500 J	2900 J	**52000**[a]	5100	12000
Manganese	µg/kg	40000	280000	150000	73000	67000	22000	160000
Mercury	µg/kg	18 J	62	1.6 J	2.3 J	49	15 J	17 J
Molybdenum	µg/kg	**2000 J**[b]	**1700 J**[b]	**3000 J**[b]	**2000 J**[b]	**1700 J**[b]	**2100 J**[b]	970 J
Nickel	µg/kg	8000 J	**28000 J**[ad]	5000 J	5900 J	10000 J	14000 J	8000 J
Selenium	µg/kg	**1300 J**[ad]	**2300**[ad]	**740 J**[ad]	**1300 J**[ad]	**1400 J**[ad]	**860 J**[ad]	**1000 J**[ad]
Silver	µg/kg	26 J	28 J	3900 U	3100 U	12 J	28 J	22 J
Thallium	µg/kg	240 J	560 J	20000 U	15000 U	96 J	72 J	88 J
Vanadium	µg/kg	12000 J	17000 J	4400 J	7800 J	10000 J	12000 J	9400 J
Zinc	µg/kg	13000 J	**70000 J**[a]	7100 J	15000 J	14000 J	4200 J	22000 J
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1221 (PCB-1221)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1232 (PCB-1232)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1242 (PCB-1242)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1248 (PCB-1248)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1254 (PCB-1254)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Aroclor-1260 (PCB-1260)	µg/kg	99 U	95 U	170 U	130 U	100 U	92 U	89 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	100	7.9 U	14 U	11 U	830	1700	7.2 U
Acenaphthene	µg/kg	7.9 U	7.9 U	14 U	11 U	81 U	75 U	7.2 U
Acenaphthylene	µg/kg	7.9 U	270	14 U	11 U	190	75 U	7.2 U
Anthracene	µg/kg	24	88	14 U	11 U	170	83	41
Benzo(a)anthracene	µg/kg	96	410	14 U	11 U	610	75 U	96
Benzo(a)pyrene	µg/kg	150	610	14 U	11 U	820	79	110
Benzo(b)fluoranthene	µg/kg	200	940	14 U	11 U	1900	140	170
Benzo(g,h,i)perylene	µg/kg	97	250	14 U	11 U	370	75 U	77
Benzo(k)fluoranthene	µg/kg	76	390	14 U	11 U	620	68 J	81
Chrysene	µg/kg	98	570	14 U	11 U	1300	170	100
Dibenz(a,h)anthracene	µg/kg	63	82	14 U	11 U	120	75 U	7.2 U
Fluoranthene	µg/kg	74	290	14 U	11 U	990	150	90
Fluorene	µg/kg	7.9 U	7.9 U	14 U	11 U	81 U	75 U	7.2 U
Indeno(1,2,3-cd)pyrene	µg/kg	120	280	14 U	11 U	400	75 U	110

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB319-14*	*SB319-14*	*SB319-14*	*SB319-14*	*SB320-14*	*SB320-14*	*SB320-14*
Sample Identification		*SO-17360-041414-DR-027*	*SO-17360-041414-DR-028*	*SO-17360-041414-DR-029*	*SO-17360-041414-DR-030*	*SO-17360-041414-DR-036*	*SO-17360-041414-DR-037*	*SO-17360-041414-DR-038*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth								
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	73	7.9 U	14 U	11 U	730	**1400[d]**	7.2 U
Phenanthrene	µg/kg	94	76	14 U	11 U	750	760	53
Pyrene	µg/kg	67	190	14 U	11 U	1000	210	63
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,1,2,2-Tetrachloroethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,1,2-Trichloroethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,1-Dichloroethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,1-Dichloroethene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2,4-Trichlorobenzene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2-Dibromoethane[(5)]	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2-Dichlorobenzene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2-Dichloroethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,2-Dichloropropane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,3-Dichlorobenzene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
1,4-Dichlorobenzene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
2-Butanone[(6)]	µg/kg	230 J	480 U	550 U	320 U	200 J	450 U	340 U
2-Hexanone	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
4-Methyl-2-pentanone[(7)]	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Acetone	µg/kg	420	240 U	280 U	160 U	310	220 U	170 U
Benzene	µg/kg	**440[bc]**	72 U	83 U	48 U	**360[bc]**	**370[bc]**	**130[bc]**
Bromodichloromethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Bromoform	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Bromomethane (Methyl bromide)	µg/kg	190 U	180 U	210 U	120 U	170 U	170 U	130 U
Carbon disulfide	µg/kg	76 U	72 U	83 U	48 U	68 U	140	52 U
Carbon tetrachloride	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Chlorobenzene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Chloroethane	µg/kg	250 U	240 U	280 U	160 U	230 U	220 U	170 U
Chloroform (Trichloromethane)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Chloromethane (Methyl chloride)	µg/kg	250 U	240 U	280 U	160 U	230 U	220 U	170 U
cis-1,2-Dichloroethene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
cis-1,3-Dichloropropene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Cyclohexane	µg/kg	1500	72 U	83 U	48 U	1300	960	280
Dibromochloromethane	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Dichlorodifluoromethane (CFC-12)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Ethylbenzene	µg/kg	**1000[d]**	72 U	83 U	48 U	**840[d]**	**640[d]**	64
Isopropyl benzene	µg/kg	820	72 U	83 U	48 U	600	520	40 J
Methyl acetate	µg/kg	1300	1200	1000	860	380 J	450 U	250 J
Methyl cyclohexane	µg/kg	5200	260	83 U	48 U	4300	3400	800
Methyl tert butyl ether (MTBE)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Methylene chloride	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Styrene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Tetrachloroethene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Toluene	µg/kg	3700	96	83 U	48 U	2800	1900	310
trans-1,2-Dichloroethene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
trans-1,3-Dichloropropene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Trichloroethene	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Trichlorofluoromethane (CFC-11)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB319-14*	*SB319-14*	*SB319-14*	*SB319-14*	*SB320-14*	*SB320-14*	*SB320-14*
Sample Identification		*SO-17360-041414-DR-027*	*SO-17360-041414-DR-028*	*SO-17360-041414-DR-029*	*SO-17360-041414-DR-030*	*SO-17360-041414-DR-036*	*SO-17360-041414-DR-037*	*SO-17360-041414-DR-038*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*
Sample Depth								
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Vinyl chloride	µg/kg	76 U	72 U	83 U	48 U	68 U	67 U	52 U
Xylenes (total)	µg/kg	**6400**[bcd]	230	250 U	150 U	**5100**[d]	**4200**[d]	540

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB320-14*	*SB320-14*	*SB320-14*	*SB321-14*	*SB321-14*	*SB321-14*	*SB321-14*
Sample Identification		*SO-17360-041414-DR-039*	*SO-17360-041414-DR-040*	*SO-17360-041414-DR-041*	*SO-17360-041414-DR-048*	*SO-17360-041414-DR-049*	*SO-17360-041414-DR-050*	*SO-17360-041414-DR-051*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(8-10) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth				*Duplicate*				
	Units							
Metals								
Antimony	µg/kg	180 J	140 J	140 J	1200 J	**6200**[bc]	500 J	43 J
Arsenic	µg/kg	4500	2900	2200	**12000**[abcdo]	**28000**[abcdo]	4100	2400
Barium	µg/kg	**230000**[a]	64000	50000	70000	48000	29000	12000
Beryllium	µg/kg	97 J	86 J	77 J	2700	460 J	250 J	48 J
Cadmium	µg/kg	160 J	97 J	80 J	**1400**[a]	530 J	380 J	58 J
Chromium	µg/kg	2800 J	4100	4300	12000	6200	9000	5700
Cobalt	µg/kg	940 J	1700 J	1500 J	6100	4100	1600 J	1600 J
Copper	µg/kg	5100 J	5500 J	5600 J	30000 J	**55000 J**[a]	13000 J	6800 J
Iron	µg/kg	5200000	4900000	3800000	**40000000**[abc]	**49000000**[abc]	5500000	5700000
Lead	µg/kg	3900 J	2000	1800 J	**42000**[a]	**110000**[a]	10000	2500
Manganese	µg/kg	120000	56000	45000	210000	98000	82000	37000
Mercury	µg/kg	2 J	2.7 J	2.3 J	100	21 J	76	1.8 J
Molybdenum	µg/kg	**3900**[b]	**2300**[b]	1400 J	**5500**[bc]	**1800 J**[b]	390 J	540 J
Nickel	µg/kg	4600	4700	4200	19000	9000	6200	4100
Selenium	µg/kg	**980 J**[ad]	**1200 J**[ad]	**1700 J**[ad]	**2500 J**[ad]	**1400 J**[ad]	**4600**[abcd]	**640 J**[ad]
Silver	µg/kg	17 J	1900 U	2000 U	29 J	37 J	3500 U	2100 U
Thallium	µg/kg	17000 U	93 J	80 J	530 J	470 J	87 J	2100 U
Vanadium	µg/kg	4400 J	7800 J	8000 J	38000 J	10000 J	25000 J	5000 J
Zinc	µg/kg	7300	9800	9100	**130000**[a]	17000	8500	9000
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1221 (PCB-1221)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1232 (PCB-1232)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1242 (PCB-1242)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1248 (PCB-1248)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1254 (PCB-1254)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Aroclor-1260 (PCB-1260)	µg/kg	140 U	86 U	90 U	140 U	86 U	140 U	88 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	12 U	7.2 U	7.3 U	520	1300	12 U	7.0 U
Acenaphthene	µg/kg	12 U	7.2 U	7.3 U	56 U	34 U	12 U	7.0 U
Acenaphthylene	µg/kg	12 U	7.2 U	7.3 U	530	34 U	12 U	7.0 U
Anthracene	µg/kg	12 U	7.2 U	5.5 J	500	85	12 U	4.9 J
Benzo(a)anthracene	µg/kg	12 U	7.2 U	7.3 U	1100	270	12 U	7.0 U
Benzo(a)pyrene	µg/kg	12 U	7.2 U	8.0	1700	320	17	14
Benzo(b)fluoranthene	µg/kg	12 U	7.2 U	9.5	2900	420	31	14
Benzo(g,h,i)perylene	µg/kg	12 U	7.2 U	7.3 U	810	210	12 U	8.4
Benzo(k)fluoranthene	µg/kg	12 U	7.2 U	5.8 J	810	120	15	6.3 J
Chrysene	µg/kg	12 U	7.2 U	7.3 J	1800	240	31	14
Dibenz(a,h)anthracene	µg/kg	12 U	7.2 U	7.3 U	370	100	12 U	7.0 U
Fluoranthene	µg/kg	12 U	7.2 U	20	1400	190	20	21
Fluorene	µg/kg	12 U	7.2 U	7.3 U	56 U	34 U	12 U	7.0 U
Indeno(1,2,3-cd)pyrene	µg/kg	12 U	7.2 U	7.3 U	940	240	12 U	6.6 J

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB320-14*	*SB320-14*	*SB320-14*	*SB321-14*	*SB321-14*	*SB321-14*	*SB321-14*
Sample Identification		*SO-17360-041414-DR-039*	*SO-17360-041414-DR-040*	*SO-17360-041414-DR-041*	*SO-17360-041414-DR-048*	*SO-17360-041414-DR-049*	*SO-17360-041414-DR-050*	*SO-17360-041414-DR-051*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(8-10) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth				*Duplicate*				
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	12 U	7.2 U	7.3 U	380	**1000**[d]	12 U	7.0 U
Phenanthrene	µg/kg	12 U	7.2 U	20	**2900**[d]	650	12 U	17
Pyrene	µg/kg	12 U	7.2 U	16	1300	190	20	18
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,1,2,2-Tetrachloroethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,1,2-Trichloroethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,1-Dichloroethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,1-Dichloroethene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2,4-Trichlorobenzene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2-Dibromoethane[5]	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2-Dichlorobenzene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2-Dichloroethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,2-Dichloropropane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,3-Dichlorobenzene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
1,4-Dichlorobenzene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
2-Butanone[6]	µg/kg	470 U	220 U	230 U	620 U	220 U	570 U	210 U
2-Hexanone	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
4-Methyl-2-pentanone[7]	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Acetone	µg/kg	230 U	110 U	110 U	310 U	110 U	280 U	110 U
Benzene	µg/kg	70 U	34 U	34 U	93 U	**170**[bc]	85 U	32 U
Bromodichloromethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Bromoform	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Bromomethane (Methyl bromide)	µg/kg	180 U	84 U	85 U	230 U	83 U	210 U	80 U
Carbon disulfide	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Carbon tetrachloride	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Chlorobenzene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Chloroethane	µg/kg	230 U	110 U	110 U	310 U	110 U	280 U	110 U
Chloroform (Trichloromethane)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Chloromethane (Methyl chloride)	µg/kg	230 U	110 U	110 U	310 U	110 U	280 U	110 U
cis-1,2-Dichloroethene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
cis-1,3-Dichloropropene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Cyclohexane	µg/kg	70 U	34 U	34 U	93 U	370	85 U	32 U
Dibromochloromethane	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Dichlorodifluoromethane (CFC-12)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Ethylbenzene	µg/kg	70 U	34 U	34 U	93 U	220	85 U	32 U
Isopropyl benzene	µg/kg	70 U	34 U	34 U	93 U	56	85 U	32 U
Methyl acetate	µg/kg	470 U	220 UJ	1200 J	2100	780	570 U	78 J
Methyl cyclohexane	µg/kg	70 U	34 U	34 U	910	860	85 U	32 U
Methyl tert butyl ether (MTBE)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Methylene chloride	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Styrene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Tetrachloroethene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Toluene	µg/kg	70 U	34 U	34 U	93 U	1200	85 U	32 U
trans-1,2-Dichloroethene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
trans-1,3-Dichloropropene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Trichloroethene	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Trichlorofluoromethane (CFC-11)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB320-14*	*SB320-14*	*SB320-14*	*SB321-14*	*SB321-14*	*SB321-14*	*SB321-14*
Sample Identification		*SO-17360-041414-DR-039*	*SO-17360-041414-DR-040*	*SO-17360-041414-DR-041*	*SO-17360-041414-DR-048*	*SO-17360-041414-DR-049*	*SO-17360-041414-DR-050*	*SO-17360-041414-DR-051*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(6-8) ft BGS*	*(8-10) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*
Sample Depth				*Duplicate*				
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Vinyl chloride	µg/kg	70 U	34 U	34 U	93 U	33 U	85 U	32 U
Xylenes (total)	µg/kg	210 U	100 U	100 U	280 U	**2100**[d]	250 U	96 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB321-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-052*	*SO-17360-041414-DR-059*	*SO-17360-041414-DR-060*	*SO-17360-041414-DR-061*	*SO-17360-041414-DR-062*	*SO-17360-041414-DR-063*	*SO-17360-041414-DR-070*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
Metals								
Antimony	µg/kg	130 J	1600 J	960 J	220 J	77 J	34 J	510 J
Arsenic	µg/kg	3500	**16000**[abcdo]	**9500**[abcdo]	2600	1400 J	3200	**11000**[abcdo]
Barium	µg/kg	4000	49000 J	26000 J	21000 J	20000 J	4900 J	39000 J
Beryllium	µg/kg	180 J	1500	340 J	200 J	100 J	54 J	510 J
Cadmium	µg/kg	140 J	**2500**[a]	190 J	190 J	30 J	15 J	1200
Chromium	µg/kg	3200	11000	3900	5100	6100	3700	6300
Cobalt	µg/kg	1600 J	4400 J	3400 J	1900 J	1500 J	1300 J	3700 J
Copper	µg/kg	4300 J	26000	21000	9900	5600	3400	14000
Iron	µg/kg	3100000	**30000000**[abc]	**24000000**[abc]	5600000	5400000	2900000	**47000000**[abc]
Lead	µg/kg	1900 J	**27000 J**[a]	15000 J	4900 J	2100 J	1100 J	13000 J
Manganese	µg/kg	57000	99000	34000	100000	26000	48000	40000
Mercury	µg/kg	1.6 J	38 J	15 J	25 J	1.1 J	1.2 J	50
Molybdenum	µg/kg	320 J	**4400**[bc]	**1600 J**[b]	310 J	510 J	350 J	**3900**[b]
Nickel	µg/kg	3800	12000 J	6100 J	4800 J	4100 J	3200 J	9400 J
Selenium	µg/kg	320 J	**2000 J**[ad]	**900 J**[ad]	**2000**[ad]	**620 J**[ad]	330 J	**1700 J**[ad]
Silver	µg/kg	79 J	44 J	76 J	14 J	2000 U	1800 U	18 J
Thallium	µg/kg	160 J	690 J	200 J	1900 U	2000 U	1800 U	200 J
Vanadium	µg/kg	4700 J	23000	7700	14000	6300	4500	14000
Zinc	µg/kg	6500	**83000**[a]	6300	9300	9400	5400	26000
PCBs								
Aroclor-1016 (PCB-1016)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1221 (PCB-1221)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1232 (PCB-1232)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1242 (PCB-1242)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1248 (PCB-1248)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1254 (PCB-1254)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Aroclor-1260 (PCB-1260)	µg/kg	83 U	99 U	93 U	94 U	87 U	87 U	92 U
Total PCBs	µg/kg	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)								
2-Methylnaphthalene	µg/kg	6.8 U	610	2100	7.6 U	7.1 U	6.9 U	7.5 U
Acenaphthene	µg/kg	6.8 U	81 U	7.6 U	7.6 U	7.1 U	6.9 U	7.5 U
Acenaphthylene	µg/kg	6.8 U	300	7.6 U	7.6 U	7.1 U	6.9 U	50
Anthracene	µg/kg	6.8 U	240	110	7.6 U	7.1 U	6.9 U	51
Benzo(a)anthracene	µg/kg	6.8 U	870	240	21	18	23	170
Benzo(a)pyrene	µg/kg	6.8 U	1100	240	7.6 U	7.1 U	6.9 U	230
Benzo(b)fluoranthene	µg/kg	6.8 U	2100	370	7.6 U	7.1 U	6.9 U	380
Benzo(g,h,i)perylene	µg/kg	6.8 U	640	140	7.6 U	7.1 U	6.9 U	170
Benzo(k)fluoranthene	µg/kg	6.8 U	700	140	7.6 U	7.1 U	6.9 U	130
Chrysene	µg/kg	6.8 U	1200	400	7.6 U	7.1 U	6.9 U	240
Dibenz(a,h)anthracene	µg/kg	6.8 U	430	56	7.6 U	7.1 U	6.9 U	66
Fluoranthene	µg/kg	6.8 U	770	240	7.6 U	7.1 U	6.9 U	150
Fluorene	µg/kg	6.8 U	81 U	7.6 U	7.6 U	7.1 U	6.9 U	7.5 U
Indeno(1,2,3-cd)pyrene	µg/kg	6.8 U	670	170	7.6 U	7.1 U	6.9 U	200

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB321-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-052*	*SO-17360-041414-DR-059*	*SO-17360-041414-DR-060*	*SO-17360-041414-DR-061*	*SO-17360-041414-DR-062*	*SO-17360-041414-DR-063*	*SO-17360-041414-DR-070*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
SVOCs (continued)								
Naphthalene	µg/kg	6.8 U	610	**1600[d]**	7.6 U	7.1 U	6.9 U	7.5 U
Phenanthrene	µg/kg	6.8 U	1600	1000	39	32	6.9 U	68
Pyrene	µg/kg	6.8 U	750	210	7.6 U	7.1 U	6.9 U	140
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,1,2,2-Tetrachloroethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,1,2-Trichloroethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,1-Dichloroethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,1-Dichloroethene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2,4-Trichlorobenzene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2-Dibromoethane[(5)]	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2-Dichlorobenzene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2-Dichloroethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,2-Dichloropropane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,3-Dichlorobenzene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
1,4-Dichlorobenzene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
2-Butanone[(6)]	µg/kg	210 U	390 U	320 U	250 U	220 U	210 U	280 U
2-Hexanone	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
4-Methyl-2-pentanone[(7)]	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Acetone	µg/kg	110 U	200 U	160 U	120 U	110 U	110 U	140 U
Benzene	µg/kg	32 U	59 U	**1200[bc]**	37 U	32 U	32 U	**180[bc]**
Bromodichloromethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Bromoform	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Bromomethane (Methyl bromide)	µg/kg	80 U	150 U	120 U	92 U	81 U	79 U	100 U
Carbon disulfide	µg/kg	32 U	120	140	37 U	32 U	47	42 U
Carbon tetrachloride	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Chlorobenzene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Chloroethane	µg/kg	110 U	200 UJ	160 U	120 U	110 U	110 U	140 U
Chloroform (Trichloromethane)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Chloromethane (Methyl chloride)	µg/kg	110 U	200 U	160 U	120 U	110 U	110 U	140 U
cis-1,2-Dichloroethene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
cis-1,3-Dichloropropene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Cyclohexane	µg/kg	32 U	59 U	1100	37 U	32 U	32 U	42 U
Dibromochloromethane	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Dichlorodifluoromethane (CFC-12)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Ethylbenzene	µg/kg	32 U	59 U	**1200[d]**	37 U	32 U	32 U	160
Isopropyl benzene	µg/kg	32 U	59 U	770	37 U	32 U	32 U	130
Methyl acetate	µg/kg	210 U	2400	380	250 U	1000	210 U	2200
Methyl cyclohexane	µg/kg	32 U	860	3800	37 U	32 U	32 U	620
Methyl tert butyl ether (MTBE)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Methylene chloride	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Styrene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Tetrachloroethene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Toluene	µg/kg	32 U	81	5200	44	32 U	32 U	780
trans-1,2-Dichloroethene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
trans-1,3-Dichloropropene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Trichloroethene	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Trichlorofluoromethane (CFC-11)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB321-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB322-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-052*	*SO-17360-041414-DR-059*	*SO-17360-041414-DR-060*	*SO-17360-041414-DR-061*	*SO-17360-041414-DR-062*	*SO-17360-041414-DR-063*	*SO-17360-041414-DR-070*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(8-10) ft BGS*	*(0-2) ft BGS*	*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*	*(0-2) ft BGS*
Sample Depth								
	Units							
VOCs (continued)								
Trifluorotrichloroethane (Freon 113)	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Vinyl chloride	µg/kg	32 U	59 U	48 U	37 U	32 U	32 U	42 U
Xylenes (total)	µg/kg	97 U	240	**6000**[bcd]	47 J	97 U	95 U	**1100**[d]

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB323-14*	*SB323-14*	*SB323-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-071*	*SO-17360-041414-DR-072*	*SO-17360-041414-DR-073*	*SO-17360-041414-DR-074*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Depth					
	Units				
Metals					
Antimony	µg/kg	1300 J	660 J	460 J	130 J
Arsenic	µg/kg	**8200**[abcdo]	**6500**[abcd]	**7000**[abcd]	2400
Barium	µg/kg	32000 J	29000 J	**190000 J**[a]	29000 J
Beryllium	µg/kg	310 J	1300	110 J	130 J
Cadmium	µg/kg	320 J	440 J	310 J	140 J
Chromium	µg/kg	5300	9700	4300 J	7000
Cobalt	µg/kg	2400 J	**11000 J**[abcd]	1400 J	2400 J
Copper	µg/kg	15000	25000	8000	10000
Iron	µg/kg	**36000000**[abc]	**20000000**[abc]	9100000	4700000
Lead	µg/kg	16000 J	14000 J	1100 J	2700 J
Manganese	µg/kg	46000	**460000**[abcd]	96000	46000
Mercury	µg/kg	33 J	9.8 J	5.8 J	4.2 J
Molybdenum	µg/kg	**2000 J**[b]	1200 J	**5300 J**[bc]	880 J
Nickel	µg/kg	5500 J	**34000 J**[ad]	6400 J	7400 J
Selenium	µg/kg	**920 J**[ad]	**2100**[ad]	**2900 J**[ad]	**1100 J**[ad]
Silver	µg/kg	17 J	110 J	22 J	12 J
Thallium	µg/kg	170 J	310 J	170 J	64 J
Vanadium	µg/kg	12000	13000	11000	12000
Zinc	µg/kg	4200 J	**49000**[a]	14000	15000
PCBs					
Aroclor-1016 (PCB-1016)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1221 (PCB-1221)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1232 (PCB-1232)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1242 (PCB-1242)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1248 (PCB-1248)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1254 (PCB-1254)	µg/kg	93 U	90 U	220 U	130 U
Aroclor-1260 (PCB-1260)	µg/kg	93 U	90 U	220 U	130 U
Total PCBs	µg/kg	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs)					
2-Methylnaphthalene	µg/kg	77 J	7.3 U	18 U	9.9 U
Acenaphthene	µg/kg	7.6 U	7.3 U	18 U	9.9 U
Acenaphthylene	µg/kg	13	7.3 U	18 U	9.9 U
Anthracene	µg/kg	12	7.3 U	18 U	9.9 U
Benzo(a)anthracene	µg/kg	44	7.3 U	18 U	9.9 U
Benzo(a)pyrene	µg/kg	53	7.3 U	18 U	9.9 U
Benzo(b)fluoranthene	µg/kg	130	7.3 U	18 U	9.9 U
Benzo(g,h,i)perylene	µg/kg	24 J	7.3 U	18 U	9.9 U
Benzo(k)fluoranthene	µg/kg	39	7.3 U	18 U	9.9 U
Chrysene	µg/kg	96	7.3 U	18 U	9.9 U
Dibenz(a,h)anthracene	µg/kg	12	7.3 U	18 U	9.9 U
Fluoranthene	µg/kg	69	7.3 U	18 U	9.9 U
Fluorene	µg/kg	7.6 U	7.3 U	18 U	9.9 U
Indeno(1,2,3-cd)pyrene	µg/kg	22	7.3 U	18 U	9.9 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB323-14*	*SB323-14*	*SB323-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-071*	*SO-17360-041414-DR-072*	*SO-17360-041414-DR-073*	*SO-17360-041414-DR-074*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Depth					
	Units				
SVOCs (continued)					
Naphthalene	µg/kg	57 J	7.3 U	18 U	9.9 U
Phenanthrene	µg/kg	66 J	7.3 U	18 U	9.9 U
Pyrene	µg/kg	64	7.3 U	18 U	9.9 U
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	µg/kg	57 U	34 U	120 U	56 U
1,1,2,2-Tetrachloroethane	µg/kg	57 U	34 U	120 U	56 U
1,1,2-Trichloroethane	µg/kg	57 U	34 U	120 U	56 U
1,1-Dichloroethane	µg/kg	57 U	34 U	120 U	56 U
1,1-Dichloroethene	µg/kg	57 U	34 U	120 U	56 U
1,2,4-Trichlorobenzene	µg/kg	57 U	34 U	120 U	56 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	57 U	34 U	120 U	56 U
1,2-Dibromoethane[5]	µg/kg	57 U	34 U	120 U	56 U
1,2-Dichlorobenzene	µg/kg	57 U	34 U	120 U	56 U
1,2-Dichloroethane	µg/kg	57 U	34 U	120 U	56 U
1,2-Dichloropropane	µg/kg	57 U	34 U	120 U	56 U
1,3-Dichlorobenzene	µg/kg	57 U	34 U	120 U	56 U
1,4-Dichlorobenzene	µg/kg	57 U	34 U	120 U	56 U
2-Butanone[6]	µg/kg	220 J	230 U	790 U	370 U
2-Hexanone	µg/kg	57 U	34 U	120 U	56 U
4-Methyl-2-pentanone[7]	µg/kg	57 U	34 U	120 U	56 U
Acetone	µg/kg	420	110 U	400 U	190 U
Benzene	µg/kg	**1300**[bc]	35	120 U	56 U
Bromodichloromethane	µg/kg	57 U	34 U	120 U	56 U
Bromoform	µg/kg	57 U	34 U	120 U	56 U
Bromomethane (Methyl bromide)	µg/kg	140 U	85 U	300 U	140 U
Carbon disulfide	µg/kg	57 U	34 U	120 U	56 U
Carbon tetrachloride	µg/kg	57 U	34 U	120 U	56 U
Chlorobenzene	µg/kg	57 U	34 U	120 U	56 U
Chloroethane	µg/kg	190 U	110 U	400 U	190 U
Chloroform (Trichloromethane)	µg/kg	57 U	34 U	120 U	56 U
Chloromethane (Methyl chloride)	µg/kg	190 U	110 U	400 U	190 U
cis-1,2-Dichloroethene	µg/kg	57 U	34 U	120 U	56 U
cis-1,3-Dichloropropene	µg/kg	57 U	34 U	120 U	56 U
Cyclohexane	µg/kg	1600	34 U	120 U	56 U
Dibromochloromethane	µg/kg	57 U	34 U	120 U	56 U
Dichlorodifluoromethane (CFC-12)	µg/kg	57 U	34 U	120 U	56 U
Ethylbenzene	µg/kg	**1100**[d]	45	120 U	56 U
Isopropyl benzene	µg/kg	880	34 U	120 U	56 U
Methyl acetate	µg/kg	740	960	4200	2000
Methyl cyclohexane	µg/kg	6300	300	120 U	56 U
Methyl tert butyl ether (MTBE)	µg/kg	57 U	34 U	120 U	56 U
Methylene chloride	µg/kg	57 U	34 U	120 U	56 U
Styrene	µg/kg	57 U	34 U	120 U	56 U
Tetrachloroethene	µg/kg	57 U	34 U	120 U	56 U
Toluene	µg/kg	5300 J	230	120 U	56 U
trans-1,2-Dichloroethene	µg/kg	57 U	34 U	120 U	56 U
trans-1,3-Dichloropropene	µg/kg	57 U	34 U	120 U	56 U
Trichloroethene	µg/kg	57 U	34 U	120 U	56 U
Trichlorofluoromethane (CFC-11)	µg/kg	57 U	34 U	120 U	56 U

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BULK UNLOAD AREA INVESTIGATION - RAILROAD PROPERTY
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*SB323-14*	*SB323-14*	*SB323-14*	*SB323-14*
Sample Identification		*SO-17360-041414-DR-071*	*SO-17360-041414-DR-072*	*SO-17360-041414-DR-073*	*SO-17360-041414-DR-074*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type		*(2-4) ft BGS*	*(4-6) ft BGS*	*(6-8) ft BGS*	*(8-10) ft BGS*
Sample Depth					
	Units				
VOCs (continued)					
Trifluorotrichloroethane (Freon 113)	µg/kg	57 U	34 U	120 U	56 U
Vinyl chloride	µg/kg	57 U	34 U	120 U	56 U
Xylenes (total)	µg/kg	**6500 J[bcd]**	330	360 U	170 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location					*MDEQ Generic Groundwater Cleanup Criteria: Residential and Nonresidential* [1]			
Sample Identification		Residential	Non-Residential	Groundwater	Residential Groundwater	Non-Residential Groundwater	Water	Flammability and
Sample Date		Drinking	Drinking	Surface Water	Volatilization to	Volatilization to	Solubility	Explosivity
Sample Type		Water	Water	Interface[2]	Indoor Air Inhalation	Indoor Air Inhalation		Screening Levels
Segment Depth		a	b	c	d	e	f	g
AOI								
	Units							
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	µg/L	200	200	89	660000	1300000	1330000	ID
1,1,2,2-Tetrachloroethane	µg/L	8.5	35	78	12000	77000	2970000	ID
1,1,2-Trichloroethane	µg/L	5	5	330	17000	110000	4420000	NA
1,1-Dichloroethane	µg/L	880	2500	740	1000000	2300000	5060000	380000
1,1-Dichloroethene	µg/L	7	7	130	200	1300	2250000	97000
1,2,4-Trichlorobenzene	µg/L	70	70	99	300000	300000	300000	NA
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.2	0.2	NA	220	1200	1230	NA
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.05	0.05	5.7	2400	15000	4200000	ID
1,2-Dichlorobenzene	µg/L	600	600	13	160000	160000	156000	NA
1,2-Dichloroethane	µg/L	5	5	360	9600	59000	8520000	2500000
1,2-Dichloropropane	µg/L	5	5	230	16000	36000	2800000	550000
1,3-Dichlorobenzene	µg/L	6.6	19	28	18000	41000	111000	ID
1,4-Dichlorobenzene	µg/L	75	75	17	16000	74000	73800	NA
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	13000	38000	2200	240000000	240000000	240000000	ID
2-Hexanone	µg/L	1000	2900	ID	4200000	8700000	16000000	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1800	5200	ID	20000000	20000000	20000000	ID
Acetone	µg/L	730	2100	1700	1000000000	1000000000	1000000000	15000000
Benzene	µg/L	5	5	200	5600	35000	1750000	68000
Bromodichloromethane	µg/L	80	80	ID	4800	37000	6740000	ID
Bromoform	µg/L	80	80	ID	470000	3100000	3100000	ID
Bromomethane (Methyl bromide)	µg/L	10	29	35	4000	9000	14500000	ID
Carbon disulfide	µg/L	800	2300	ID	250000	550000	1190000	13000
Carbon tetrachloride	µg/L	5	5	45	370	2400	793000	ID
Chlorobenzene	µg/L	100	100	25	210000	470000	472000	160000
Chloroethane	µg/L	430	1700	1100	5700000	5700000	5740000	110000
Chloroform (Trichloromethane)	µg/L	80	80	350	28000	180000	7920000	ID
Chloromethane (Methyl chloride)	µg/L	260	1100	ID	8600	45000	6340000	36000
cis-1,2-Dichloroethene	µg/L	70	70	620	93000	210000	3500000	530000
cis-1,3-Dichloropropene	µg/L	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/L	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	µg/L	80	80	ID	14000	110000	2600000	ID
Dichlorodifluoromethane (CFC-12)	µg/L	1700	4800	ID	220000	300000	300000	ID
Ethylbenzene	µg/L	74	74	18	110000	170000	169000	43000
Isopropyl benzene	µg/L	800	2300	28	56000	56000	56000	29000
Methyl acetate	µg/L	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	µg/L	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether (MTBE)	µg/L	40	40	7100	47000000	47000000	46800000	ID
Methylene chloride	µg/L	5	5	1500	220000	1400000	17000000	ID
Styrene	µg/L	100	100	80	170000	310000	310000	140000
Tetrachloroethene	µg/L	5	5	60	25000	170000	200000	ID
Toluene	µg/L	790	790	270	530000	530000	526000	61000
trans-1,2-Dichloroethene	µg/L	100	100	1500	85000	200000	6300000	230000
trans-1,3-Dichloropropene	µg/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5	5	200	2200	4900	1100000	ID
Trichlorofluoromethane (CFC-11)	µg/L	2600	7300	NA	1100000	1100000	1100000	ID
Trifluorotrichloroethane (Freon 113)	µg/L	170000	170000	32	170000	170000	170000	ID
Vinyl chloride	µg/L	2	2	13	1100	13000	2760000	33000
Xylenes (total)	µg/L	280	280	41	190000	190000	186000	70000
Semi-Volatile Organic Compounds (SVOCs)								
2,2'-Oxybis(1-chloropropane)	µg/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	µg/L	730	2100	NA	NLV	NLV	1200000	ID
2,4,6-Trichlorophenol	µg/L	120	470	5	NLV	NLV	800000	ID
2,4-Dichlorophenol	µg/L	73	210	11	NLV	NLV	4500000	ID
2,4-Dimethylphenol	µg/L	370	1000	380	NLV	NLV	7870000	ID
2,4-Dinitrophenol	µg/L	NA	NA	NA	NA	NA	NA	NA

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location					*MDEQ Generic Groundwater Cleanup Criteria: Residential and Nonresidential* [1]			
Sample Identification		Residential	Non-Residential	Groundwater	Residential Groundwater	Non-Residential Groundwater	Water	Flammability and
Sample Date		Drinking	Drinking	Surface Water	Volatilization to	Volatilization to	Solubility	Explosivity
Sample Type		Water	Water	Interface[2]	Indoor Air Inhalation	Indoor Air Inhalation		Screening Levels
Segment Depth		a	b	c	d	e	f	g
AOI								
	Units							
SVOCs (continued)								
2,4-Dinitrotoluene	µg/L	7.7	32	NA	NLV	NLV	270000	ID
2,6-Dinitrotoluene	µg/L	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	µg/L	1800	5200	NA	ID	ID	6740	ID
2-Chlorophenol	µg/L	45	130	18	ID	ID	22000000	ID
2-Methylnaphthalene	µg/L	260	750	19	25000	25000	24600	ID
2-Methylphenol	µg/L	370	1000	30	NLV	NLV	28000000	NA
2-Nitroaniline	µg/L	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	µg/L	20	58	ID	NLV	NLV	2500000	ID
3,3'-Dichlorobenzidine	µg/L	1.1	4.3	0.3	NLV	NLV	3110	ID
3-Nitroaniline	µg/L	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	µg/L	20	20	NA	NLV	NLV	200000	ID
4-Bromophenyl phenyl ether	µg/L	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	µg/L	150	420	7.4	NLV	NLV	3900000	ID
4-Chloroaniline	µg/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	µg/L	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	µg/L	370	1000	30	NLV	NLV	28000000	NA
4-Nitroaniline	µg/L	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	µg/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	µg/L	1300	3800	38	4200	4200	4240	ID
Acenaphthylene	µg/L	52	150	ID	3900	3900	3930	ID
Acetophenone	µg/L	1500	4400	NA	6100000	6100000	6100000	ID
Anthracene	µg/L	43	43	ID	43	43	43.4	ID
Atrazine	µg/L	3	3	7.3	NLV	NLV	70000	ID
Benzaldehyde	µg/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	µg/L	2.1	8.5	ID	NLV	NLV	9.4	ID
Benzo(a)pyrene	µg/L	5	5	ID	NLV	NLV	1.62	ID
Benzo(b)fluoranthene	µg/L	1.5	1.5	ID	ID	ID	1.5	ID
Benzo(g,h,i)perylene	µg/L	1	1	NA	NLV	NLV	0.26	ID
Benzo(k)fluoranthene	µg/L	1	1	NA	NLV	NLV	0.8	ID
Biphenyl (1,1-Biphenyl)	µg/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	µg/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	µg/L	2	8.3	1	38000	210000	17200000	17000000
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	6	6	25	NLV	NLV	340	NA
Butyl benzylphthalate (BBP)	µg/L	1200	2700	67	NLV	NLV	2690	ID
Caprolactam	µg/L	5800	17000	NA	NLV	NLV	5250000000	NA
Carbazole	µg/L	85	350	10	NLV	NLV	7480	ID
Chrysene	µg/L	1.6	1.6	ID	ID	ID	1.6	ID
Dibenz(a,h)anthracene	µg/L	2	2	ID	NLV	NLV	2.49	ID
Dibenzofuran	µg/L	ID	ID	4	10000	10000	10000	ID
Diethyl phthalate	µg/L	5500	16000	110	NLV	NLV	1080000	NA
Dimethyl phthalate	µg/L	73000	210000	NA	NLV	NLV	4190000	NA
Di-n-butylphthalate (DBP)	µg/L	880	2500	9.7	NLV	NLV	11200	NA
Di-n-octyl phthalate (DnOP)	µg/L	130	380	ID	NLV	NLV	3000	ID
Fluoranthene	µg/L	210	210	1.6	210	210	206	ID
Fluorene	µg/L	880	2000	12	2000	2000	1980	ID
Hexachlorobenzene	µg/L	1	1	0.2	440	3000	6200	ID
Hexachlorobutadiene	µg/L	15	42	0.053	1600	3200	3230	ID
Hexachlorocyclopentadiene	µg/L	50	50	ID	130	420	1800	ID
Hexachloroethane	µg/L	7.3	21	6.7	27000	50000	50000	ID
Indeno(1,2,3-cd)pyrene	µg/L	2	2	ID	NLV	NLV	0.022	ID
Isophorone	µg/L	770	3100	1300	NLV	NLV	12000000	NA
Naphthalene	µg/L	520	1500	11	31000	31000	31000	NA
Nitrobenzene	µg/L	3.4	9.6	180	280000	550000	2090000	NA
N-Nitrosodi-n-propylamine	µg/L	5	5	NA	NLV	NLV	9890000	ID
N-Nitrosodiphenylamine	µg/L	270	1100	NA	NLV	NLV	35100	ID
Pentachlorophenol	µg/L	1	1	2.8	NLV	NLV	1850000	ID
Phenanthrene	µg/L	52	150	2	1000	1000	1000	ID
Phenol	µg/L	4400	13000	450	NLV	NLV	82800000	NA
Pyrene	µg/L	140	140	ID	140	140	135	ID

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		***MDEQ Generic Groundwater Cleanup Criteria: Residential and Nonresidential*** [1]						
Sample Identification		Residential	Non-Residential	Groundwater	Residential Groundwater	Non-Residential Groundwater	Water	Flammability and
Sample Date		Drinking	Drinking	Surface Water	Volatilization to	Volatilization to	Solubility	Explosivity
Sample Type		Water	Water	Interface[2]	Indoor Air Inhalation	Indoor Air Inhalation		Screening Levels
Segment Depth		a	b	c	d	e	f	g
AOI								
	Units							
Metals								
Antimony	µg/L	6	6	130	NLV	NLV	NA	ID
Arsenic	µg/L	10	10	10	NLV	NLV	NA	ID
Barium	µg/L	2000	2000	1600	NLV	NLV	NA	ID
Beryllium	µg/L	4	4	54	NLV	NLV	NA	ID
Cadmium	µg/L	5	5	5.6	NLV	NLV	NA	ID
Chromium	µg/L	100	100	11	NLV	NLV	NA	ID
Chromium VI (hexavalent)	µg/L	100	100	11	NLV	NLV	NA	ID
Cobalt	µg/L	40	100	100	NLV	NLV	NA	ID
Copper	µg/L	1000	1000	26	NLV	NLV	NA	ID
Lead	µg/L	4	4	54	NLV	NLV	NA	ID
Manganese	µg/L	50	50	5800	NLV	NLV	NA	ID
Mercury	µg/L	2	2	0.0013	56	56	56	ID
Molybdenum	µg/L	73	210	3200	NLV	NLV	NA	ID
Nickel	µg/L	100	100	150	NLV	NLV	NA	ID
Selenium	µg/L	50	50	5	NLV	NLV	NA	ID
Silver	µg/L	34	98	0.2	NLV	NLV	NA	ID
Thallium	µg/L	2	2	3.7	NLV	NLV	NA	ID
Vanadium	µg/L	4.5	62	27	NLV	NLV	NA	ID
Zinc	µg/L	2400	5000	340	NLV	NLV	NA	ID

Notes:
[1] Cleanup Criteria Requirements for Response Activity, Administrative Rules R299.1 to R299.50 effective December 30, 2013, pursuant to Part 201 of 1994 PA 451 as amended.
[2] Carbonate Hardness of 344 mg/L was used to calculate Groundwater Surface Water Interface Criteria.
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.
-- Parameter was not analyzed.
ID - Insufficient data to develop criterion.
NA - A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
NLL - Hazardous substance is not likely to leach under most soil conditions.
NLV - Hazardous substance is not likely to volatilize under most conditions.
☐ - Exceeds Generic Cleanup Criteria. Superscript letter notes the criterion exceeded.

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*
Sample Type							
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.9	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	0.77 J	1.0 U	1.0 U	1.0 U	1.5	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	**5.6**[ab]	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.2	1.0 U	4.5	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*
Sample Type							
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	5.0 U	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	5.0 U	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	5.0 U	-	-	-
2,4-Dichlorophenol	µg/L	-	-	10 U	-	-	-
2,4-Dimethylphenol	µg/L	-	-	5.0 U	-	-	-
2,4-Dinitrophenol	µg/L	-	-	5.0 U	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	5.0 U	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	5.0 U	-	-	-
2-Chloronaphthalene	µg/L	-	-	5.0 U	-	-	-
2-Chlorophenol	µg/L	-	-	5.0 U	-	-	-
2-Methylnaphthalene	µg/L	-	-	5.0 U	-	-	-
2-Methylphenol	µg/L	-	-	5.0 U	-	-	-
2-Nitroaniline	µg/L	-	-	20 U	-	-	-
2-Nitrophenol	µg/L	-	-	5.0 U	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	5.0 U	-	-	-
3-Nitroaniline	µg/L	-	-	20 U	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	20 U	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	5.0 U	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	5.0 U	-	-	-
4-Chloroaniline	µg/L	-	-	20 U	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	5.0 U	-	-	-
4-Methylphenol	µg/L	-	-	5.0 U	-	-	-
4-Nitroaniline	µg/L	-	-	20 U	-	-	-
4-Nitrophenol	µg/L	-	-	20 U	-	-	-
Acenaphthene	µg/L	-	-	5.0 U	-	-	-
Acenaphthylene	µg/L	-	-	5.0 U	-	-	-
Acetophenone	µg/L	-	-	1.0 U	-	-	-
Anthracene	µg/L	-	-	5.0 U	-	-	-
Atrazine	µg/L	-	-	1.0 U	-	-	-
Benzaldehyde	µg/L	-	-	1.0 U	-	-	-
Benzo(a)anthracene	µg/L	-	-	5.0 U	-	-	-
Benzo(a)pyrene	µg/L	-	-	5.0 U	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	5.0 U	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	5.0 U	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	5.0 U	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	5.0 U	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	5.0 U	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	5.0 U	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	5.0 U	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	5.0 U	-	-	-
Caprolactam	µg/L	-	-	10 U	-	-	-
Carbazole	µg/L	-	-	10 U	-	-	-
Chrysene	µg/L	-	-	5.0 U	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	5.0 U	-	-	-
Dibenzofuran	µg/L	-	-	5.0 U	-	-	-
Diethyl phthalate	µg/L	-	-	20 U	-	-	-
Dimethyl phthalate	µg/L	-	-	20 U	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	5.0 U	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	5.0 U	-	-	-
Fluoranthene	µg/L	-	-	5.0 U	-	-	-
Fluorene	µg/L	-	-	5.0 U	-	-	-
Hexachlorobenzene	µg/L	-	-	5.0 U	-	-	-
Hexachlorobutadiene	µg/L	-	-	5.0 U	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*
Sample Type							
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	20 U	-	-	-
Hexachloroethane	µg/L	-	-	5.0 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	5.0 U	-	-	-
Isophorone	µg/L	-	-	5.0 U	-	-	-
Naphthalene	µg/L	-	-	5.0 U	-	-	-
Nitrobenzene	µg/L	-	-	5.0 U	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	5.0 U	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	5.0 U	-	-	-
Pentachlorophenol	µg/L	-	-	20 U	-	-	-
Phenanthrene	µg/L	-	-	5.0 U	-	-	-
Phenol	µg/L	-	-	5.0 U	-	-	-
Pyrene	µg/L	-	-	5.0 U	-	-	-
Metals							
Antimony	µg/L	0.052 J	0.34 J	-	0.1 J	-	-
Arsenic	µg/L	4.1 J	5 U	-	5 U	-	-
Barium	µg/L	72	92	-	48	-	-
Beryllium	µg/L	2 U	2 U	-	2 U	-	-
Cadmium	µg/L	0.47 J	2 U	-	0.17 J	-	-
Chromium	µg/L	5 U	5 U	-	1.3 J	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	1.4 J	1.4 J	-	1.7 J	-	-
Copper	µg/L	2.2 J	4.4 J	-	5 U	-	-
Lead	µg/L	2 J	1 J	-	0.62 J	-	-
Manganese	µg/L	**640**[ab]	48	-	5 U	-	-
Mercury	µg/L	0.2 U	0.2 U	-	0.2 U	-	-
Molybdenum	µg/L	0.21 J	6.8	-	1 J	-	-
Nickel	µg/L	5.2	9.2	-	5 U	-	-
Selenium	µg/L	5 U	1.1 J	-	0.78 J	-	-
Silver	µg/L	5 U	5 U	-	5 U	-	-
Thallium	µg/L	5 U	5 U	-	5 U	-	-
Vanadium	µg/L	0.19 J	1.9 J	-	5 U	-	-
Zinc	µg/L	**530**[c]	230	-	110	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*87-9*	*87-10*	*87-11*	*87-13*	*87-13*	*88-2*
Sample Identification		*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*	*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*
Sample Date		*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/16/2014*
Sample Type						*Duplicate*	
Segment Depth		*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*	*(40-43) ft BGS*	*(26-29) ft BGS*
AOI		*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.48 J	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	0.72 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	0.61 J	0.62 J	16	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.30 J	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	2.0	3.5	**14**[ab]	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*87-9*	*87-10*	*87-11*	*87-13*	*87-13*	*88-2*
Sample Identification		*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*	*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*
Sample Date		*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/16/2014*
Sample Type						*Duplicate*	
Segment Depth		*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*	*(40-43) ft BGS*	*(26-29) ft BGS*
AOI		*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*87-9*	*87-10*	*87-11*	*87-13*	*87-13*	*88-2*
Sample Identification		*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*	*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*
Sample Date		*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/16/2014*
Sample Type						*Duplicate*	
Segment Depth		*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*	*(40-43) ft BGS*	*(26-29) ft BGS*
AOI		*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	0.15 J	-	-	-
Arsenic	µg/L	-	-	5 U	-	-	-
Barium	µg/L	-	-	91	-	-	-
Beryllium	µg/L	-	-	2 U	-	-	-
Cadmium	µg/L	-	-	0.32 J	-	-	-
Chromium	µg/L	-	-	5 U	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	0.72 J	-	-	-
Copper	µg/L	-	-	1.1 J	-	-	-
Lead	µg/L	-	-	1.4 J	-	-	-
Manganese	µg/L	-	-	47	-	-	-
Mercury	µg/L	-	-	0.2 U	-	-	-
Molybdenum	µg/L	-	-	0.36 J	-	-	-
Nickel	µg/L	-	-	4.4 J	-	-	-
Selenium	µg/L	-	-	0.92 J	-	-	-
Silver	µg/L	-	-	5 U	-	-	-
Thallium	µg/L	-	-	5 U	-	-	-
Vanadium	µg/L	-	-	5 U	-	-	-
Zinc	µg/L	-	-	**850**[c]	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*
Sample Identification		*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*
Sample Date		*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type			*Duplicate*				
Segment Depth		*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*
AOI		*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	0.25 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	4.7	1.0 U	0.75 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*
Sample Identification		*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*
Sample Date		*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type			*Duplicate*				
Segment Depth		*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*
AOI		*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*
Sample Identification		*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*
Sample Date		*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type			*Duplicate*				
Segment Depth		*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*
AOI		*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	-	-	-
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Beryllium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-
Copper	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Manganese	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Molybdenum	µg/L	-	-	-	-	-	-
Nickel	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Thallium	µg/L	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-
Zinc	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW1-03*	*MW2-03*	*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*
Sample Identification		*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*	*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*
Sample Date		*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(22-27) ft BGS*	*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	17	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	**170**[abc]	**5.5**[ab]	0.62 J	0.41 J	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Trichloroethene	µg/L	1.1	1.1	1.0 U	1.0 U	1.0 U	1.2
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW1-03*	*MW2-03*	*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*
Sample Identification		*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*	*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*
Sample Date		*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(22-27) ft BGS*	*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW1-03*	*MW2-03*	*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*
Sample Identification		*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*	*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*
Sample Date		*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(22-27) ft BGS*	*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	-	-	-
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Beryllium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-
Copper	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Manganese	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Molybdenum	µg/L	-	-	-	-	-	-
Nickel	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Thallium	µg/L	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-
Zinc	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	17	0.81 J	0.66 J	1.0 U	1.0 U	0.85 J
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.78 J	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	0.34 J	3.4	2.3	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	-	-	-
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Beryllium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-
Copper	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Manganese	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Molybdenum	µg/L	-	-	-	-	-	-
Nickel	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Thallium	µg/L	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-
Zinc	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*
Sample Type		*Duplicate*					
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	3.5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	0.83 J	1.0 U	1.0 U	1.0 U	2.4	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	51	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	**92 J[abc]**	1.0 U	1.0 U	1.9
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	**8.0[ab]**	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.78 J
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*
Sample Type		*Duplicate*					
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*
Sample Type		*Duplicate*					
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	-	-	-
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Beryllium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-
Copper	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Manganese	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Molybdenum	µg/L	-	-	-	-	-	-
Nickel	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Thallium	µg/L	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-
Zinc	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*	*MW33-12*	*MW34-12*
Sample Identification		*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*	*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*
Sample Date		*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/21/2014*	*4/21/2014*
Sample Type				*Duplicate*			
Segment Depth		*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*	*(31-36) ft BGS*	*(14.4-24.4) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	4.1	3.7	4.3	1.6	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.2	1.4	1.0 U	2.8	**5.1[ab]**
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*	*MW33-12*	*MW34-12*
Sample Identification		*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*	*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*
Sample Date		*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/21/2014*	*4/21/2014*
Sample Type				*Duplicate*			
Segment Depth		*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*	*(31-36) ft BGS*	*(14.4-24.4) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*	*MW33-12*	*MW34-12*
Sample Identification		*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*	*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*
Sample Date		*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/21/2014*	*4/21/2014*
Sample Type				*Duplicate*			
Segment Depth		*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*	*(31-36) ft BGS*	*(14.4-24.4) ft BGS*
AOI		*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	0.3 J	0.3 J	-	0.19 J	0.21 J
Arsenic	µg/L	-	5 U	5 U	-	5 U	5 U
Barium	µg/L	-	23	23	-	46	14
Beryllium	µg/L	-	2 U	2 U	-	2 U	2 U
Cadmium	µg/L	-	2 U	2 U	-	2 U	0.15 J
Chromium	µg/L	-	1.7 J	1.6 J	-	5 U	3.9 J
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	1.3 J	1.2 J	-	2.8 J	2.2 J
Copper	µg/L	-	1.6 J	1.4 J	-	5 U	5 U
Lead	µg/L	-	0.21 J	0.14 J	-	5 U	5 U
Manganese	µg/L	-	41	27	-	**370**[ab]	5 U
Mercury	µg/L	-	0.2 U	0.2 U	-	0.2 U	0.2 U
Molybdenum	µg/L	-	4.2 J	4.3 J	-	15	26
Nickel	µg/L	-	2.7 J	2.6 J	-	5.4	5 U
Selenium	µg/L	-	1.1 J	1.1 J	-	5 U	5 U
Silver	µg/L	-	5 U	5 U	-	5 U	0.081 J
Thallium	µg/L	-	5 U	5 U	-	5 U	5 U
Vanadium	µg/L	-	0.3 J	0.19 J	-	5 U	5 U
Zinc	µg/L	-	4.9 J	2.7 J	-	10 U	10 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*
Sample Identification		*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*
Sample Type			*Duplicate*				
Segment Depth		*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.5	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	120 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	250 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	250 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	250 U	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	**6.0**[ab]	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	18	2.5
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	2.6 J	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	12 J	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	6.5	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	**30**[ab]	**31**[ab]	5.0 U	**14**[ab]	3.5	**5.4**[ab]
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	5.0 U	1.0 U	**14**[abc]	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	9.2 J	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*
Sample Identification		*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*
Sample Type			*Duplicate*				
Segment Depth		*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-	-
Acetophenone	µg/L	-	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-	-
Atrazine	µg/L	-	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	-	-
Caprolactam	µg/L	-	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-	-
Fluorene	µg/L	-	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*
Sample Identification		*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*
Sample Type			*Duplicate*				
Segment Depth		*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	0.078 J	5 U	0.11 J
Arsenic	µg/L	-	-	-	5 U	5.4	5 U
Barium	µg/L	-	-	-	54	130	55
Beryllium	µg/L	-	-	-	2 U	2 U	2 U
Cadmium	µg/L	-	-	-	2 U	2 U	0.15 J
Chromium	µg/L	-	-	-	10	5 U	5 U
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	4.8 J	0.5 J	11
Copper	µg/L	-	-	-	2.4 J	5 U	9.2
Lead	µg/L	-	-	-	0.34 J	5 U	0.23 J
Manganese	µg/L	-	-	-	**61[ab]**	**70[ab]**	**230[ab]**
Mercury	µg/L	-	-	-	0.2 U	0.2 U	0.2 U
Molybdenum	µg/L	-	-	-	2.1 J	0.51 J	7.2
Nickel	µg/L	-	-	-	5.4	3.6 J	8.1
Selenium	µg/L	-	-	-	5 U	5 U	5 U
Silver	µg/L	-	-	-	5 U	5 U	5 U
Thallium	µg/L	-	-	-	5 U	5 U	5 U
Vanadium	µg/L	-	-	-	0.23 J	0.18 J	5 U
Zinc	µg/L	-	-	-	4.1 J	0.59 J	10 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW40-12*	*MW41-12*	*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*
Sample Identification		*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*	*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(45-50) ft BGS*	*(18.3-28.3) ft BGS*	*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 11*	*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	17 J	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	8.7 J	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	40 J	4.0 J
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	3.1 J	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.2	1.0 U	3.0
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	**5.6**[ab]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	9.5	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW40-12*	*MW41-12*	*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*
Sample Identification		*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*	*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(45-50) ft BGS*	*(18.3-28.3) ft BGS*	*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 11*	*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-	-	-	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	-	-	-	-	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	-	-	-	-	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	-	-	-	-	10 U	10 U
2,4-Dimethylphenol	µg/L	-	-	-	-	4.2 J	5.0 U
2,4-Dinitrophenol	µg/L	-	-	-	-	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	-	-	-	-	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	-	-	-	-	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	-	-	-	-	5.0 U	5.0 U
2-Chlorophenol	µg/L	-	-	-	-	5.0 U	5.0 U
2-Methylnaphthalene	µg/L	-	-	-	-	5.0 U	5.0 U
2-Methylphenol	µg/L	-	-	-	-	2.3 J	5.0 U
2-Nitroaniline	µg/L	-	-	-	-	20 U	20 U
2-Nitrophenol	µg/L	-	-	-	-	5.0 U	5.0 U
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	5.0 U	5.0 U
3-Nitroaniline	µg/L	-	-	-	-	20 U	20 U
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	20 U	20 U
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	5.0 U	5.0 U
4-Chloro-3-methylphenol	µg/L	-	-	-	-	5.0 U	5.0 U
4-Chloroaniline	µg/L	-	-	-	-	20 U	20 U
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	5.0 U	5.0 U
4-Methylphenol	µg/L	-	-	-	-	8.9	5.0 U
4-Nitroaniline	µg/L	-	-	-	-	20 U	20 U
4-Nitrophenol	µg/L	-	-	-	-	20 U	20 U
Acenaphthene	µg/L	-	-	-	-	5.0 U	5.0 U
Acenaphthylene	µg/L	-	-	-	-	5.0 U	5.0 U
Acetophenone	µg/L	-	-	-	-	1.0 U	1.0 U
Anthracene	µg/L	-	-	-	-	5.0 U	5.0 U
Atrazine	µg/L	-	-	-	-	1.0 U	1.0 U
Benzaldehyde	µg/L	-	-	-	-	1.0 U	1.0 U
Benzo(a)anthracene	µg/L	-	-	-	-	5.0 U	5.0 U
Benzo(a)pyrene	µg/L	-	-	-	-	5.0 U	5.0 U
Benzo(b)fluoranthene	µg/L	-	-	-	-	5.0 U	5.0 U
Benzo(g,h,i)perylene	µg/L	-	-	-	-	5.0 U	5.0 U
Benzo(k)fluoranthene	µg/L	-	-	-	-	5.0 U	5.0 U
Biphenyl (1,1-Biphenyl)	µg/L	-	-	-	-	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	5.0 U	5.0 U
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-	-	-	5.0 U	5.0 U
Butyl benzylphthalate (BBP)	µg/L	-	-	-	-	5.0 U	5.0 U
Caprolactam	µg/L	-	-	-	-	10 U	10 U
Carbazole	µg/L	-	-	-	-	10 U	10 U
Chrysene	µg/L	-	-	-	-	5.0 U	5.0 U
Dibenz(a,h)anthracene	µg/L	-	-	-	-	5.0 U	5.0 U
Dibenzofuran	µg/L	-	-	-	-	5.0 U	5.0 U
Diethyl phthalate	µg/L	-	-	-	-	20 U	20 U
Dimethyl phthalate	µg/L	-	-	-	-	20 U	20 U
Di-n-butylphthalate (DBP)	µg/L	-	-	-	-	5.0 U	5.0 U
Di-n-octyl phthalate (DnOP)	µg/L	-	-	-	-	5.0 U	5.0 U
Fluoranthene	µg/L	-	-	-	-	5.0 U	5.0 U
Fluorene	µg/L	-	-	-	-	5.0 U	5.0 U
Hexachlorobenzene	µg/L	-	-	-	-	5.0 U	5.0 U
Hexachlorobutadiene	µg/L	-	-	-	-	5.0 U	5.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW40-12*	*MW41-12*	*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*
Sample Identification		*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*	*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*
Sample Date		*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*
Sample Type							
Segment Depth		*(45-50) ft BGS*	*(18.3-28.3) ft BGS*	*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 11*	*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	-	-	-	-	20 U	20 U
Hexachloroethane	µg/L	-	-	-	-	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	5.0 U	5.0 U
Isophorone	µg/L	-	-	-	-	5.0 U	5.0 U
Naphthalene	µg/L	-	-	-	-	2.8 J	5.0 U
Nitrobenzene	µg/L	-	-	-	-	5.0 U	5.0 U
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	5.0 U	5.0 U
N-Nitrosodiphenylamine	µg/L	-	-	-	-	5.0 U	5.0 U
Pentachlorophenol	µg/L	-	-	-	-	20 U	20 U
Phenanthrene	µg/L	-	-	-	-	5.0 U	5.0 U
Phenol	µg/L	-	-	-	-	23	5.0 U
Pyrene	µg/L	-	-	-	-	5.0 U	5.0 U
Metals							
Antimony	µg/L	-	-	-	-	0.54 J	0.19 J
Arsenic	µg/L	-	-	-	-	**16**[abc]	1.2 J
Barium	µg/L	-	-	-	-	38	77
Beryllium	µg/L	-	-	-	-	2 U	2 U
Cadmium	µg/L	-	-	-	-	2 U	2 U
Chromium	µg/L	-	-	-	-	0.7 J	0.27 J
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	2.1 J	1.5 J
Copper	µg/L	-	-	-	-	20	2.7 J
Lead	µg/L	-	-	-	-	**11**[ab]	0.55 J
Manganese	µg/L	-	-	-	-	**200**[ab]	**290**[ab]
Mercury	µg/L	-	-	-	-	0.2 U	0.2 U
Molybdenum	µg/L	-	-	-	-	**110**[a]	3.9 J
Nickel	µg/L	-	-	-	-	12	5.6
Selenium	µg/L	-	-	-	-	5 U	5 U
Silver	µg/L	-	-	-	-	5 U	5 U
Thallium	µg/L	-	-	-	-	5 U	5 U
Vanadium	µg/L	-	-	-	-	**6.5**[a]	0.71 J
Zinc	µg/L	-	-	-	-	12	2.4 J

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type					*Duplicate*		
Segment Depth		*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	4.4 J
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	2.2	2.2	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	0.73 J	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	**170**[abc]	**170**[abc]	2.9	2.7
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.3	1.3	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type					*Duplicate*		
Segment Depth		*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	-	-	-	5.0 U	R
2,4,6-Trichlorophenol	µg/L	5.0 U	-	-	-	5.0 U	R
2,4-Dichlorophenol	µg/L	10 U	-	-	-	10 U	R
2,4-Dimethylphenol	µg/L	5.0 U	-	-	-	5.0 U	R
2,4-Dinitrophenol	µg/L	5.0 U	-	-	-	5.0 U	R
2,4-Dinitrotoluene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	-	-	-	5.0 U	R
2-Methylnaphthalene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
2-Methylphenol	µg/L	5.0 U	-	-	-	5.0 U	R
2-Nitroaniline	µg/L	20 U	-	-	-	20 U	20 U
2-Nitrophenol	µg/L	5.0 U	-	-	-	5.0 U	R
3,3'-Dichlorobenzidine	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
3-Nitroaniline	µg/L	20 U	-	-	-	20 U	20 U
4,6-Dinitro-2-methylphenol	µg/L	20 U	-	-	-	20 U	R
4-Bromophenyl phenyl ether	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
4-Chloro-3-methylphenol	µg/L	5.0 U	-	-	-	5.0 U	R
4-Chloroaniline	µg/L	20 U	-	-	-	20 U	20 U
4-Chlorophenyl phenyl ether	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
4-Methylphenol	µg/L	5.0 U	-	-	-	5.0 U	R
4-Nitroaniline	µg/L	20 U	-	-	-	20 U	20 U
4-Nitrophenol	µg/L	20 U	-	-	-	20 U	R
Acenaphthene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Acenaphthylene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Acetophenone	µg/L	1.0 U	-	-	-	1.0 U	1.0 U
Anthracene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Atrazine	µg/L	1.0 U	-	-	-	1.0 U	1.0 U
Benzaldehyde	µg/L	1.0 U	-	-	-	1.0 U	1.0 U
Benzo(a)anthracene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(a)pyrene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(b)fluoranthene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(g,h,i)perylene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(k)fluoranthene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Biphenyl (1,1-Biphenyl)	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Chloroethyl)ether	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5.0 U	-	-	-	0.28 J	5.0 U
Butyl benzylphthalate (BBP)	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Caprolactam	µg/L	10 U	-	-	-	10 U	10 U
Carbazole	µg/L	10 U	-	-	-	10 U	10 U
Chrysene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Dibenz(a,h)anthracene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Dibenzofuran	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Diethyl phthalate	µg/L	20 U	-	-	-	20 U	20 U
Dimethyl phthalate	µg/L	20 U	-	-	-	20 U	20 U
Di-n-butylphthalate (DBP)	µg/L	5.0 U	-	-	-	0.29 J	5.0 U
Di-n-octyl phthalate (DnOP)	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Fluoranthene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Fluorene	µg/L	5.0 U	-	-	-	0.16 J	5.0 U
Hexachlorobenzene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Hexachlorobutadiene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type					*Duplicate*		
Segment Depth		*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	20 U	-	-	-	20 U	20 U
Hexachloroethane	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Isophorone	µg/L	5.0 U	-	-	-	5.0 U	0.51 J
Naphthalene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Nitrobenzene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
N-Nitrosodi-n-propylamine	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
N-Nitrosodiphenylamine	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Pentachlorophenol	µg/L	20 U	-	-	-	20 U	R
Phenanthrene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Phenol	µg/L	5.0 U	-	-	-	5.0 U	R
Pyrene	µg/L	5.0 U	-	-	-	5.0 U	5.0 U
Metals							
Antimony	µg/L	0.16 J	-	-	-	-	-
Arsenic	µg/L	5 U	-	-	-	-	-
Barium	µg/L	33	-	-	-	-	-
Beryllium	µg/L	2 U	-	-	-	-	-
Cadmium	µg/L	0.11 J	-	-	-	-	-
Chromium	µg/L	0.64 J	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	20 U	-	-	-	-	-
Cobalt	µg/L	3.1 J	-	-	-	-	-
Copper	µg/L	3.7 J	-	-	-	-	-
Lead	µg/L	0.14 J	-	-	-	-	-
Manganese	µg/L	21	-	-	-	-	-
Mercury	µg/L	0.2 U	-	-	-	-	-
Molybdenum	µg/L	3.3 J	-	-	-	-	-
Nickel	µg/L	7	-	-	-	-	-
Selenium	µg/L	5 U	-	-	-	-	-
Silver	µg/L	5 U	-	-	-	-	-
Thallium	µg/L	5 U	-	-	-	-	-
Vanadium	µg/L	0.27 J	-	-	-	-	-
Zinc	µg/L	3.7 J	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*
Sample Type			*Duplicate*				
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*
	Units						
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	4.0 J	3.5 J	25 U	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.5 J	5.4 J	50 U	50 U	50 U	50 U
Acetone	µg/L	35 J	31 J	50 U	50 U	50 U	50 U
Benzene	µg/L	0.37 J	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.59 J	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	2.2	2.2	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	2.6 J	2.7 J	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	0.68 J	0.91 J	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.53 J	0.54 J	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0	3.1	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*
Sample Type			*Duplicate*				
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*
	Units						
Semi-Volatile Organic Compounds (SVOCs)							
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	50 U	50 U	-	-	-	-
2,4,5-Trichlorophenol	µg/L	50 U	50 U	-	-	-	-
2,4,6-Trichlorophenol	µg/L	50 U	50 U	-	-	-	-
2,4-Dichlorophenol	µg/L	100 U	100 U	-	-	-	-
2,4-Dimethylphenol	µg/L	50 U	50 U	-	-	-	-
2,4-Dinitrophenol	µg/L	50 U	50 U	-	-	-	-
2,4-Dinitrotoluene	µg/L	50 U	50 U	-	-	-	-
2,6-Dinitrotoluene	µg/L	50 U	50 U	-	-	-	-
2-Chloronaphthalene	µg/L	50 U	50 U	-	-	-	-
2-Chlorophenol	µg/L	50 U	50 U	-	-	-	-
2-Methylnaphthalene	µg/L	50 U	50 U	-	-	-	-
2-Methylphenol	µg/L	50 U	50 U	-	-	-	-
2-Nitroaniline	µg/L	200 U	200 U	-	-	-	-
2-Nitrophenol	µg/L	50 U	50 U	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	50 U	50 U	-	-	-	-
3-Nitroaniline	µg/L	200 U	200 U	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/L	200 U	200 U	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	50 U	50 U	-	-	-	-
4-Chloro-3-methylphenol	µg/L	50 U	50 U	-	-	-	-
4-Chloroaniline	µg/L	200 U	200 U	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	50 U	50 U	-	-	-	-
4-Methylphenol	µg/L	50 U	50 U	-	-	-	-
4-Nitroaniline	µg/L	200 U	200 U	-	-	-	-
4-Nitrophenol	µg/L	200 U	200 U	-	-	-	-
Acenaphthene	µg/L	50 U	50 U	-	-	-	-
Acenaphthylene	µg/L	50 U	50 U	-	-	-	-
Acetophenone	µg/L	10 U	10 U	-	-	-	-
Anthracene	µg/L	50 U	50 U	-	-	-	-
Atrazine	µg/L	10 U	10 U	-	-	-	-
Benzaldehyde	µg/L	10 U	10 U	-	-	-	-
Benzo(a)anthracene	µg/L	50 U	50 U	-	-	-	-
Benzo(a)pyrene	µg/L	50 U	50 U	-	-	-	-
Benzo(b)fluoranthene	µg/L	50 U	50 U	-	-	-	-
Benzo(g,h,i)perylene	µg/L	50 U	50 U	-	-	-	-
Benzo(k)fluoranthene	µg/L	50 U	50 U	-	-	-	-
Biphenyl (1,1-Biphenyl)	µg/L	50 U	50 U	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	50 U	50 U	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	50 U	50 U	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	50 U	50 U	-	-	-	-
Butyl benzylphthalate (BBP)	µg/L	50 U	50 U	-	-	-	-
Caprolactam	µg/L	100 U	100 U	-	-	-	-
Carbazole	µg/L	100 U	100 U	-	-	-	-
Chrysene	µg/L	50 U	50 U	-	-	-	-
Dibenz(a,h)anthracene	µg/L	50 U	50 U	-	-	-	-
Dibenzofuran	µg/L	50 U	50 U	-	-	-	-
Diethyl phthalate	µg/L	4.8 J	200 U	-	-	-	-
Dimethyl phthalate	µg/L	200 U	200 U	-	-	-	-
Di-n-butylphthalate (DBP)	µg/L	50 U	50 U	-	-	-	-
Di-n-octyl phthalate (DnOP)	µg/L	50 U	50 U	-	-	-	-
Fluoranthene	µg/L	50 U	50 U	-	-	-	-
Fluorene	µg/L	2.8 J	3.3 J	-	-	-	-
Hexachlorobenzene	µg/L	50 U	50 U	-	-	-	-
Hexachlorobutadiene	µg/L	50 U	50 U	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*
Sample Type			*Duplicate*				
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*
	Units						
SVOCs (continued)							
Hexachlorocyclopentadiene	µg/L	200 U	200 U	-	-	-	-
Hexachloroethane	µg/L	50 U	50 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	50 U	50 U	-	-	-	-
Isophorone	µg/L	50 U	50 U	-	-	-	-
Naphthalene	µg/L	8.0 J	7.8 J	-	-	-	-
Nitrobenzene	µg/L	50 U	50 U	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	50 U	50 U	-	-	-	-
N-Nitrosodiphenylamine	µg/L	50 U	50 U	-	-	-	-
Pentachlorophenol	µg/L	**61 J[abc]**	200 U	-	-	-	-
Phenanthrene	µg/L	50 U	50 U	-	-	-	-
Phenol	µg/L	50 U	50 U	-	-	-	-
Pyrene	µg/L	50 U	50 U	-	-	-	-
Metals							
Antimony	µg/L	-	-	-	-	-	-
Arsenic	µg/L	-	-	-	-	-	-
Barium	µg/L	-	-	-	-	-	-
Beryllium	µg/L	-	-	-	-	-	-
Cadmium	µg/L	-	-	-	-	-	-
Chromium	µg/L	-	-	-	-	-	-
Chromium VI (hexavalent)	µg/L	-	-	-	-	-	-
Cobalt	µg/L	-	-	-	-	-	-
Copper	µg/L	-	-	-	-	-	-
Lead	µg/L	-	-	-	-	-	-
Manganese	µg/L	-	-	-	-	-	-
Mercury	µg/L	-	-	-	-	-	-
Molybdenum	µg/L	-	-	-	-	-	-
Nickel	µg/L	-	-	-	-	-	-
Selenium	µg/L	-	-	-	-	-	-
Silver	µg/L	-	-	-	-	-	-
Thallium	µg/L	-	-	-	-	-	-
Vanadium	µg/L	-	-	-	-	-	-
Zinc	µg/L	-	-	-	-	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*Trip Blank*	*Trip Blank*
Sample Identification		*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/18/2014*	*4/23/2014*
Sample Type		*(other)*	*(other)*
Segment Depth			
AOI		*NA*	*NA*
	Units		
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U
2-Hexanone	µg/L	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U
Acetone	µg/L	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*Trip Blank*	*Trip Blank*
Sample Identification		*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/18/2014*	*4/23/2014*
Sample Type		*(other)*	*(other)*
Segment Depth			
AOI		*NA*	*NA*
	Units		
Semi-Volatile Organic Compounds (SVOCs)			
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	µg/L	-	-
2,4,5-Trichlorophenol	µg/L	-	-
2,4,6-Trichlorophenol	µg/L	-	-
2,4-Dichlorophenol	µg/L	-	-
2,4-Dimethylphenol	µg/L	-	-
2,4-Dinitrophenol	µg/L	-	-
2,4-Dinitrotoluene	µg/L	-	-
2,6-Dinitrotoluene	µg/L	-	-
2-Chloronaphthalene	µg/L	-	-
2-Chlorophenol	µg/L	-	-
2-Methylnaphthalene	µg/L	-	-
2-Methylphenol	µg/L	-	-
2-Nitroaniline	µg/L	-	-
2-Nitrophenol	µg/L	-	-
3,3'-Dichlorobenzidine	µg/L	-	-
3-Nitroaniline	µg/L	-	-
4,6-Dinitro-2-methylphenol	µg/L	-	-
4-Bromophenyl phenyl ether	µg/L	-	-
4-Chloro-3-methylphenol	µg/L	-	-
4-Chloroaniline	µg/L	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-
4-Methylphenol	µg/L	-	-
4-Nitroaniline	µg/L	-	-
4-Nitrophenol	µg/L	-	-
Acenaphthene	µg/L	-	-
Acenaphthylene	µg/L	-	-
Acetophenone	µg/L	-	-
Anthracene	µg/L	-	-
Atrazine	µg/L	-	-
Benzaldehyde	µg/L	-	-
Benzo(a)anthracene	µg/L	-	-
Benzo(a)pyrene	µg/L	-	-
Benzo(b)fluoranthene	µg/L	-	-
Benzo(g,h,i)perylene	µg/L	-	-
Benzo(k)fluoranthene	µg/L	-	-
Biphenyl (1,1-Biphenyl)	µg/L	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-
bis(2-Chloroethyl)ether	µg/L	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	-	-
Butyl benzylphthalate (BBP)	µg/L	-	-
Caprolactam	µg/L	-	-
Carbazole	µg/L	-	-
Chrysene	µg/L	-	-
Dibenz(a,h)anthracene	µg/L	-	-
Dibenzofuran	µg/L	-	-
Diethyl phthalate	µg/L	-	-
Dimethyl phthalate	µg/L	-	-
Di-n-butylphthalate (DBP)	µg/L	-	-
Di-n-octyl phthalate (DnOP)	µg/L	-	-
Fluoranthene	µg/L	-	-
Fluorene	µg/L	-	-
Hexachlorobenzene	µg/L	-	-
Hexachlorobutadiene	µg/L	-	-

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*Trip Blank*	*Trip Blank*
Sample Identification		*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/18/2014*	*4/23/2014*
Sample Type		*(other)*	*(other)*
Segment Depth			
AOI		*NA*	*NA*
	Units		
SVOCs (continued)			
Hexachlorocyclopentadiene	µg/L	-	-
Hexachloroethane	µg/L	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-
Isophorone	µg/L	-	-
Naphthalene	µg/L	-	-
Nitrobenzene	µg/L	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-
N-Nitrosodiphenylamine	µg/L	-	-
Pentachlorophenol	µg/L	-	-
Phenanthrene	µg/L	-	-
Phenol	µg/L	-	-
Pyrene	µg/L	-	-
Metals			
Antimony	µg/L	-	-
Arsenic	µg/L	-	-
Barium	µg/L	-	-
Beryllium	µg/L	-	-
Cadmium	µg/L	-	-
Chromium	µg/L	-	-
Chromium VI (hexavalent)	µg/L	-	-
Cobalt	µg/L	-	-
Copper	µg/L	-	-
Lead	µg/L	-	-
Manganese	µg/L	-	-
Mercury	µg/L	-	-
Molybdenum	µg/L	-	-
Nickel	µg/L	-	-
Selenium	µg/L	-	-
Silver	µg/L	-	-
Thallium	µg/L	-	-
Vanadium	µg/L	-	-
Zinc	µg/L	-	-

SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS
SPRING 2014 SEMI-ANNUAL GROUNDWATER MONITORING EVENT
FORMER GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

Sample Location		*C-1*	*C-2*	*C-3*
Sample Identification		*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*
Sample Date		*4/14/2014*	*4/14/2014*	*4/14/2014*
Sample Type				
Segment Depth		*--*	*--*	*--*
AOI		*AOI 25*	*AOI 25*	*AOI 25*
	Units			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25 U	25 U	25 U
2-Hexanone	µg/L	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	50 U	50 U	50 U
Acetone	µg/L	50 U	50 U	50 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.6	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	4.7	1.0 U	0.75 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.1	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U

Notes:
U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Attachment A

Stratigraphic Soil Boring Logs

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB310-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512181
EASTING: 12772759.03

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	GROUND SURFACE	669.16
0	TOPSOIL	668.66
2	SP-SAND (FILL), trace silt, compact, fine to medium grained, brown, moist	667.16
4	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris	666.16
6	SP-SAND (FILL), trace silt, compact, fine to medium grained, light brown, moist - medium brown at 3.8ft BGS	664.16
8	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.16
10	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	660.36
12	SP-SAND, trace silt and fine gravel, compact, fine grained, brown, moist - fine to coarse grained, wet at 9.2ft BGS	659.16
14	END OF BOREHOLE @ 10.0ft BGS	

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -006				0.1
2-4' -007		80		0.2
4-6' -008				0.1
6-8' -009		90		0.1
8-10' -010				

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB311-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512154.46
EASTING: 12772752.5

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	668.82						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris		BACKFILLED WITH BENTONITE CHIPS	0-2' -011				0.3
2				2-4' -012		80		0.2
4				4-6' -013				0.2
6	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.82		6-8' -014		90		0.1
8	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	663.22		8-10' -015				
10	SP-SAND, trace silt, compact, fine to coarse grained, brown, moist - wet at 9.2ft BGS	659.82						
12	END OF BOREHOLE @ 10.0ft BGS	658.82						
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB312-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512126.45
EASTING: 12772754.58

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	668.76						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris			0-2' -021				0.3
2	- fine to medium grained sand seam, orange brown at 2.5ft BGS			2-4' -022		75		
4			BACKFILLED WITH BENTONITE CHIPS					0.4
4	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.76		4-6' -023				
6	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	663.16						0.2
6	SP-SAND, compact, fine to coarse grained, light brown, moist	662.76		6-8' -024		85		
8	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	662.26						
8	SP-SAND, compact, fine to medium grained, light brown, moist	661.06		8-10' -025				0.2
10	- wet at 9.1ft BGS	658.76						
10	END OF BOREHOLE @ 10.0ft BGS							
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB313-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512099.28
EASTING: 12772754.87

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	669.32						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris			0-2' -031				0.2
2						70		
4			BACKFILLED WITH BENTONITE CHIPS	2-4' -032				0.3
		664.32		4-6' -033				
6	SP-SAND (FILL), trace silt and fine gravel, compact, fine to coarse grained, orange brown, moist			6-8' -034				0.1
8		661.32				75		
	SP-SAND, trace silt, compact, fine to coarse grained, light brown, moist - wet at 9.1ft BGS			8-10' -035				0.1
10	END OF BOREHOLE @ 10.0ft BGS	659.32						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB314-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512078.08
EASTING: 12772761.29

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	669.52						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris			0-2' -042				0.3
2				2-4' -043		70		0.2
4	SP-SAND (FILL), trace silt and fine gravel, compact, fine grained, orange brown, moist	665.52	BACKFILLED WITH BENTONITE CHIPS	4-6' -044/ 045				0.2
	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	664.52						
6	SP-SAND, trace fine gravel, compact, fine to coarse grained, brown, moist	664.12		6-8' -046		75		0.1
8	- light brown at 9.2ft BGS			8-10' -047				
10	END OF BOREHOLE @ 10.0ft BGS	659.52						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB315-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512056.66
EASTING: 12772760.38
GROUND SURFACE 669.80

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	SM-SILTY SAND (FILL), compact, fine grained, dark brown, moist, trace slag debris	
2	- brown, no slag debris at 1.0ft BGS	
	- brown and orange brown at 1.8ft BGS	
4		
	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	664.80
6		663.80
	SP-SAND, trace fine gravel, compact, fine to coarse grained, brown, moist	
8	- light brown at 8.8ft BGS	
	- wet at 9.3ft BGS	
10	- moderately graded at 9.7ft BGS	659.80
	END OF BOREHOLE @ 10.0ft BGS	
12		
14		
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -053				0.2
2-4' -054/ 055'		75		0.3
4-6' -056				
6-8' -057		85		0.2
8-10' -058				0.2

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB316-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512026.25
EASTING: 12772759.58

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	670.08						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris		BACKFILLED WITH BENTONITE CHIPS	0-2' -064				0.4
2						70		
4				2-4' -065				0.3
6				4-6' -066				0.3
8	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.08		6-8' -067/ 069		70		
10	SP-SAND, trace silt, fine grained, dark brown and orange brown, moist - light brown at 9.0ft BGS - fine to coarse grained, wet at 9.5ft BGS	661.58 660.08		8-10' -069				0.2
12	END OF BOREHOLE @ 10.0ft BGS							
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB317-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512181.62
EASTING: 12772741.34

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	GROUND SURFACE	668.98
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris	
3.5	GP-GRAVEL (FILL), trace fine sand, compact, fine gravel, brown, moist	665.48
4.3	COAL DEBRIS (FILL), silt to fine gravel size, black, moist	664.68
5.0	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	663.98
9.5	- fine to coarse grained, wet at 9.5ft BGS	659.78
10.0	SP-SAND, trace silt and fine gravel, compact, fine grained, brown, moist	658.98
10.0	END OF BOREHOLE @ 10.0ft BGS	

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -001				0.9
2-4' -002		75		0.5
4-6' -003				0.1
6-8' -004		90		0.1
8-10' -005				

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB318-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512153.8
EASTING: 12772742.04

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	669.03						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris		BACKFILLED WITH BENTONITE CHIPS	0-2' -016				0.4
2				2-4' -017		80		0.2
4				4-6' -018				0.2
6	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	664.03		6-8' -019		90		0.1
8	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	663.23		8-10' -020				
10	SP-SAND, trace silt, compact, fine to coarse grained, brown, wet	659.33						
12	END OF BOREHOLE @ 10.0ft BGS	659.03						
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB319-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512126.76
EASTING: 12772742.45

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	668.81						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris		BACKFILLED WITH BENTONITE CHIPS	0-2' -026				0.3
2						60		
4				2-4' -027				0.3
		663.81		4-6' -028				
6	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.41						0.2
	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist			6-8' -029		90		
8								
		659.51		8-10' -030				0.2
10	SM-SAND, with silt, compact, fine to medium grained, grayish brown, wet	658.81						
	END OF BOREHOLE @ 10.0ft BGS							
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB320-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512098.84
EASTING: 12772742.92
GROUND SURFACE
668.83

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris	
4	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	663.83
6	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	663.43
8	SP-SAND, trace silt, compact, fine to medium grained, brown, moist - fine to coarse grained, wet at 9.3ft BGS	661.63
10	END OF BOREHOLE @ 10.0ft BGS	658.83

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -036				0.3
2-4' -037		70		0.2
4-6' -038				0.2
6-8' -039		80		0.2
8-10' -040/ 041				0.2

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB321-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512076.53
EASTING: 12772742.15

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	GROUND SURFACE	668.87						
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris			0-2' -048				0.4
2				2-4' -049		70		0.3
4	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	664.87	BACKFILLED WITH BENTONITE CHIPS	4-6' -050				0.2
6	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	662.87		6-8' -051		85		0.2
8	SP-SAND, trace fine gravel, compact, fine to coarse grained, brown, moist - light brown at 8.5ft BGS - wet at 9.6ft BGS	661.87		8-10' -052				0.2
10	END OF BOREHOLE @ 10.0ft BGS	658.87						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB322-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512050.07
EASTING: 12772742.36
GROUND SURFACE 668.81

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris	
4	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	664.81 / 664.41
6	SP-SAND, trace silt and fine gravel, compact, fine to coarse grained, brown, moist	663.81 / 662.81
8	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	661.81
10	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	
12	SP-SAND, trace fine gravel, compact, fine to coarse grained, brown, moist - brown at 7.8ft BGS - fine to coarse grained, light brown at 8.5ft BGS - wet at 9.6ft BGS	658.81
14	END OF BOREHOLE @ 10.0ft BGS	

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -059				0.4
2-4' -060		70		0.3
4-6' -061				0.2
6-8' -062		80		
8-10' -063				0.2

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

CHEMICAL ANALYSIS

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER GRAND RAPIDS METAL PLANT
PROJECT NUMBER: 017360
CLIENT: RACER TRUST
LOCATION: WYOMING, MI

HOLE DESIGNATION: SB323-14
DATE COMPLETED: April 14, 2014
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. RIVERS

NORTHING: 512023.75
EASTING: 12772745.89

GROUND SURFACE 669.10

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	SP/GP-SAND AND GRAVEL (FILL), compact, fine to coarse sand, fine gravel, dark brown to black, moist, with slag debris	
4	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	665.60
8	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	661.60
8		661.10
8		660.70
10	SP-SAND, trace silt and fine gravel, compact, fine to medium grained, light brown and brown, moist	659.90
10		659.40
10		659.10
12	ML-SILT (marl), with clay and fine sand, soft, non plastic, tan/light brown, moist	
14	PT-PEAT, trace woody material, soft to firm, dark brown to black, moist	
14	SP-SAND, trace fine gravel, compact, fine to coarse grained, brown, wet	
16	END OF BOREHOLE @ 10.0ft BGS	

BOREHOLE: BACKFILLED WITH BENTONITE CHIPS

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
0-2' -070				0.4
2-4' -071		70		0.2
4-6' -072				0.2
6-8' -073		75		0.1
8-10' -074				

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

CHEMICAL ANALYSIS (⬭)

OVERBURDEN LOG 017360-T05-WI.GPJ CRA_CORP.GDT 4/21/14

Attachment B

Analytical Laboratory Data

30-Apr-2014

Rawa Fleisher
Conestoga-Rovers & Associates
14496 Sheldon Road
Suite 200
Plymouth, MI 48170

Re: **Former GRMP (017360-T02Y14-01Y14)** Work Order: **1404759**

Dear Rawa,

ALS Environmental received 75 samples on 15-Apr-2014 01:50 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 345.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Bill Carey

Tom Beamish
Senior Project Manager

Certificate No: MN 532786

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

ALS Group USA, Corp

Date: 30-Apr-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Work Order: **1404759**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1404759-01	SO-17360-041414-DR-001	Soil		4/14/2014 09:55	4/15/2014 13:50	☐
1404759-02	SO-17360-041414-DR-002	Soil		4/14/2014 09:57	4/15/2014 13:50	☐
1404759-03	SO-17360-041414-DR-003	Soil		4/14/2014 10:10	4/15/2014 13:50	☐
1404759-04	SO-17360-041414-DR-004	Soil		4/14/2014 10:15	4/15/2014 13:50	☐
1404759-05	SO-17360-041414-DR-005	Soil		4/14/2014 10:20	4/15/2014 13:50	☐
1404759-06	SO-17360-041414-DR-006	Soil		4/14/2014 10:25	4/15/2014 13:50	☐
1404759-07	SO-17360-041414-DR-007	Soil		4/14/2014 10:27	4/15/2014 13:50	☐
1404759-08	SO-17360-041414-DR-008	Soil		4/14/2014 10:35	4/15/2014 13:50	☐
1404759-09	SO-17360-041414-DR-009	Soil		4/14/2014 10:40	4/15/2014 13:50	☐
1404759-10	SO-17360-041414-DR-010	Soil		4/14/2014 10:45	4/15/2014 13:50	☐
1404759-11	SO-17360-041414-DR-011	Soil		4/14/2014 10:55	4/15/2014 13:50	☐
1404759-12	SO-17360-041414-DR-012	Soil		4/14/2014 10:57	4/15/2014 13:50	☐
1404759-13	SO-17360-041414-DR-013	Soil		4/14/2014 11:05	4/15/2014 13:50	☐
1404759-14	SO-17360-041414-DR-014	Soil		4/14/2014 11:07	4/15/2014 13:50	☐
1404759-15	SO-17360-041414-DR-015	Soil		4/14/2014 11:10	4/15/2014 13:50	☐
1404759-16	SO-17360-041414-DR-016	Soil		4/14/2014 11:15	4/15/2014 13:50	☐
1404759-17	SO-17360-041414-DR-017	Soil		4/14/2014 11:17	4/15/2014 13:50	☐
1404759-18	SO-17360-041414-DR-018	Soil		4/14/2014 11:20	4/15/2014 13:50	☐
1404759-19	SO-17360-041414-DR-019	Soil		4/14/2014 11:22	4/15/2014 13:50	☐
1404759-20	SO-17360-041414-DR-020	Soil		4/14/2014 11:25	4/15/2014 13:50	☐
1404759-21	SO-17360-041414-DR-021	Soil		4/14/2014 11:45	4/15/2014 13:50	☐
1404759-22	SO-17360-041414-DR-022	Soil		4/14/2014 11:47	4/15/2014 13:50	☐
1404759-23	SO-17360-041414-DR-023	Soil		4/14/2014 11:50	4/15/2014 13:50	☐
1404759-24	SO-17360-041414-DR-024	Soil		4/14/2014 11:52	4/15/2014 13:50	☐
1404759-25	SO-17360-041414-DR-025	Soil		4/14/2014 11:55	4/15/2014 13:50	☐
1404759-26	SO-17360-041414-DR-026	Soil		4/14/2014 12:10	4/15/2014 13:50	☐
1404759-27	SO-17360-041414-DR-027	Soil		4/14/2014 12:12	4/15/2014 13:50	☐
1404759-28	SO-17360-041414-DR-028	Soil		4/14/2014 12:15	4/15/2014 13:50	☐
1404759-29	SO-17360-041414-DR-029	Soil		4/14/2014 12:17	4/15/2014 13:50	☐
1404759-30	SO-17360-041414-DR-030	Soil		4/14/2014 12:20	4/15/2014 13:50	☐
1404759-31	SO-17360-041414-DR-031	Soil		4/14/2014 13:15	4/15/2014 13:50	☐
1404759-32	SO-17360-041414-DR-032	Soil		4/14/2014 13:17	4/15/2014 13:50	☐
1404759-33	SO-17360-041414-DR-033	Soil		4/14/2014 13:20	4/15/2014 13:50	☐
1404759-34	SO-17360-041414-DR-034	Soil		4/14/2014 13:22	4/15/2014 13:50	☐
1404759-35	SO-17360-041414-DR-035	Soil		4/14/2014 13:25	4/15/2014 13:50	☐
1404759-36	SO-17360-041414-DR-036	Soil		4/14/2014 13:45	4/15/2014 13:50	☐
1404759-37	SO-17360-041414-DR-037	Soil		4/14/2014 13:47	4/15/2014 13:50	☐
1404759-38	SO-17360-041414-DR-038	Soil		4/14/2014 13:50	4/15/2014 13:50	☐
1404759-39	SO-17360-041414-DR-039	Soil		4/14/2014 13:52	4/15/2014 13:50	☐

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Work Order: **1404759**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1404759-40	SO-17360-041414-DR-040	Soil		4/14/2014 13:55	4/15/2014 13:50	☐
1404759-41	SO-17360-041414-DR-041	Soil		4/14/2014 13:57	4/15/2014 13:50	☐
1404759-42	SO-17360-041414-DR-042	Soil		4/14/2014 14:05	4/15/2014 13:50	☐
1404759-43	SO-17360-041414-DR-043	Soil		4/14/2014 14:07	4/15/2014 13:50	☐
1404759-44	SO-17360-041414-DR-044	Soil		4/14/2014 14:12	4/15/2014 13:50	☐
1404759-45	SO-17360-041414-DR-045	Soil		4/14/2014 14:15	4/15/2014 13:50	☐
1404759-46	SO-17360-041414-DR-046	Soil		4/14/2014 14:17	4/15/2014 13:50	☐
1404759-47	SO-17360-041414-DR-047	Soil		4/14/2014 14:20	4/15/2014 13:50	☐
1404759-48	SO-17360-041414-DR-048	Soil		4/14/2014 14:35	4/15/2014 13:50	☐
1404759-49	SO-17360-041414-DR-049	Soil		4/14/2014 14:37	4/15/2014 13:50	☐
1404759-50	SO-17360-041414-DR-050	Soil		4/14/2014 14:40	4/15/2014 13:50	☐
1404759-51	SO-17360-041414-DR-051	Soil		4/14/2014 14:42	4/15/2014 13:50	☐
1404759-52	SO-17360-041414-DR-052	Soil		4/14/2014 14:45	4/15/2014 13:50	☐
1404759-53	SO-17360-041414-DR-053	Soil		4/14/2014 15:00	4/15/2014 13:50	☐
1404759-54	SO-17360-041414-DR-054	Soil		4/14/2014 15:02	4/15/2014 13:50	☐
1404759-55	SO-17360-041414-DR-055	Soil		4/14/2014 15:05	4/15/2014 13:50	☐
1404759-56	SO-17360-041414-DR-056	Soil		4/14/2014 15:07	4/15/2014 13:50	☐
1404759-57	SO-17360-041414-DR-057	Soil		4/14/2014 15:12	4/15/2014 13:50	☐
1404759-58	SO-17360-041414-DR-058	Soil		4/14/2014 15:15	4/15/2014 13:50	☐
1404759-59	SO-17360-041414-DR-059	Soil		4/14/2014 15:30	4/15/2014 13:50	☐
1404759-60	SO-17360-041414-DR-060	Soil		4/14/2014 15:32	4/15/2014 13:50	☐
1404759-61	SO-17360-041414-DR-061	Soil		4/14/2014 15:35	4/15/2014 13:50	☐
1404759-62	SO-17360-041414-DR-062	Soil		4/14/2014 15:37	4/15/2014 13:50	☐
1404759-63	SO-17360-041414-DR-063	Soil		4/14/2014 15:40	4/15/2014 13:50	☐
1404759-64	SO-17360-041414-DR-064	Soil		4/14/2014 15:50	4/15/2014 13:50	☐
1404759-65	SO-17360-041414-DR-065	Soil		4/14/2014 15:52	4/15/2014 13:50	☐
1404759-66	SO-17360-041414-DR-066	Soil		4/14/2014 15:55	4/15/2014 13:50	☐
1404759-67	SO-17360-041414-DR-067	Soil		4/14/2014 15:57	4/15/2014 13:50	☐
1404759-68	SO-17360-041414-DR-068	Soil		4/14/2014 16:00	4/15/2014 13:50	☐
1404759-69	SO-17360-041414-DR-069	Soil		4/14/2014 16:05	4/15/2014 13:50	☐
1404759-70	SO-17360-041414-DR-070	Soil		4/14/2014 16:20	4/15/2014 13:50	☐
1404759-71	SO-17360-041414-DR-071	Soil		4/14/2014 16:22	4/15/2014 13:50	☐
1404759-72	SO-17360-041414-DR-072	Soil		4/14/2014 16:25	4/15/2014 13:50	☐
1404759-73	SO-17360-041414-DR-073	Soil		4/14/2014 16:27	4/15/2014 13:50	☐
1404759-74	SO-17360-041414-DR-074	Soil		4/14/2014 16:30	4/15/2014 13:50	☐
1404759-75	TB-17360-041414	Soil		4/14/2014	4/15/2014 13:50	☐

ALS Group USA, Corp

Date: 30-Apr-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
WorkOrder: **1404759**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg	Micrograms per Kilogram
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

Batch 57819, Method ICP_6020_S, Sample 1404759-04B: The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch 57819, Method ICP_6020_S, Sample 1404759-05B: The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Li, Mg, K, Sr

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Ca

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn, Ti

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Mn, Ti

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Mg, K

Batch 57819, Method ICP_6020_S, Sample 1404759-06BMSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Ca

Batch 57824, Method ICP_6020_S, Sample 1404759-07B: The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Cr, Cu, Ni, Zn

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the

spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Cr, Cu, Ni, Zn

Batch 57824, Method ICP_6020_S, Sample 1404759-10BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57833, Method ICP_6020_S, Sample 1404759-27B: The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch 57833, Method ICP_6020_S, Sample 1404759-38BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57833, Method ICP_6020_S, Sample 1404759-38BMS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba, Cr, Cu, Ni, V, Zn

Batch 57833, Method ICP_6020_S, Sample 1404759-38BMS: The matrix spike recovery was outside of the control limit. However, the matrix spike duplicate recovery and the RPD between the MS and MSD were in control. No qualification is required for this analyte: Pb

Batch 57833, Method ICP_6020_S, Sample 1404759-38BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba, Cr, Ni, V, Zn

Batch 57833, Method ICP_6020_S, Sample 1404759-38BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57854, Method SVO_8270_S, Sample 1404759-59B MSD: The MS and/or MSD

recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Phenanthrene.

Batch 57871, Method ICP_6020_S, Sample 1404759-51BMS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Ba, Cu, Zn

Batch 57871, Method ICP_6020_S, Sample 1404759-51BMSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Ba

Batch 57883, Method SVO_8270_S, Sample 1404759-71B MS: Spk compds were out due to matrix.

Batch 57883, Method SVO_8270_S, Sample 1404759-71B MSD: Spk compds were out due to matrix.

Batch 57896, Method VOC_8260_S, Sample 1404759-38A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Hexachlorothane

Batch 57896, Method VOC_8260_S, Sample 1404759-38A MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Methyl Iodide

Batch 57896, Method VOC_8260_S, Sample 1404759-38A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Hexachloroethane

Batch 57896, Method VOC_8260_S, Sample 1404759-38A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Methyl iodide

Batch 57896, Method VOC_8260_S, Sample LCS-57896: The LCS recovery was outside of the lower control limit but within the Sporadic Marginal Exceedence limit for an analyte that is not a project-specific analyte of concern. No qualification is necessary for this analyte: Hexachloroethane

Batch 57902, Method ICP_6020_S, Sample 1404759-39B: The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch 57902, Method ICP_6020_S, Sample 1404759-51BMS: The MS and/or MSD recovery

was below the control limit. The corresponding result in the parent sample may be biased low: Cu, Zn

Batch 57902, Method ICP_6020_S, Sample 1404759-51BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57902, Method ICP_6020_S, Sample 1404759-51BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cu, Ba, V

Batch 57902, Method ICP_6020_S, Sample 1404759-51BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57907, Method VOC_8260_S, Sample 1404759-51A MSD: The RPD between the MS and MSD was out of control. The corresponding result should be considered estimated for this compound: Bromomethane

Batch 57907, Method VOC_8260_S, Sample 1404759-51A MSD: MSD failed tune time by 11 minutes. OK'd by QA

Batch 57910, Method SVO_8270_S, Sample 1404994-02C MS and MSD: Many compunds out due to matrix interference. The parent sample is unrelated to this project.

Batch 57913, Method ICP_6020_S, Sample 1404759-59B: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference for this analyte:

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn, Zn

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Pb

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMS: The matrix spike recovery was outside of the control limit. However, the matrix spike duplicate recovery and the RPD between the MS and MSD were in control. No qualification is required for this analyte: V

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMSD: The matrix spike duplicate recovery was outside of the control limit. However, the matrix spike recovery and the RPD

between the MS and MSD was in control. No qualification is required for this analyte: Cu

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn, Zn

Batch 57913, Method ICP_6020_S, Sample 1404759-59BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Pb

Batch 57913, Method ICP_6020_S, Sample 1404759-71BMS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Co, Ni

Batch 57913, Method ICP_6020_S, Sample 1404759-71BMS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Pb

Batch 57913, Method ICP_6020_S, Sample 1404759-71BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: V

Batch 57913, Method ICP_6020_S, Sample 1404759-71BMSD: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Fe, Mn

Batch 57913, Method ICP_6020_S, Sample 1404759-71BMSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba, Pb

Batch 57925, Method VOC_8260_S, Sample 1404759-59A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Chloroethane

Batch 57925, Method VOC_8260_S, Sample 1404759-59A MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect. No qualification is required for this analyte: 1,2-Dibromoethane

Batch 57925, Method VOC_8260_S, Sample 1404759-59A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: 1,2-Dibromoethane

Batch 57925, Method VOC_8260_S, Sample 1404759-59A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Chloroethane

Batch 57925, Method VOC_8260_S, Sample LCS-57925: The LCS recovery was outside of the lower control limit but within the Sporadic Marginal Exceedence limit for an analyte that is not a project-specific analyte of concern. No qualification is necessary for this analyte: Hexachloroethane

Batch 57926, Method VOC_8260_S, Sample 1404759-71A MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Multiple analytes

Batch 57926, Method VOC_8260_S, Sample 1404759-71A MSD: The RPD between the MS and MSD was out of control. The corresponding result should be considered estimated for this compound: Bromomethane

Batch 57926, Method VOC_8260_S, Sample 1404759-71A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Multiple analytes

Batch 57926, Method VOC_8260_S, Sample LCS-57926: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: 1,2-Dibromoethane

Batch 57933, Method VOC_8260_S, Sample 1404759-66A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Chloroethane

Batch 57933, Method VOC_8260_S, Sample 1404759-66A MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect. No qualification is required for this analyte: 1,2-Dibromoethane

Batch 57933, Method VOC_8260_S, Sample 1404759-66A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Chloroethane

Batch 57933, Method VOC_8260_S, Sample 1404759-66A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: 1,2-Dibromoethane

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-001
Collection Date: 4/14/2014 09:55 AM

Work Order: 1404759
Lab ID: 1404759-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		57	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1221	U		57	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1232	U		57	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1242	U		57	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1248	U		57	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1254	U		37	100	µg/Kg-dry	1	4/18/2014 05:00
Aroclor 1260	**160**		**37**	**100**	**µg/Kg-dry**	1	4/18/2014 05:00
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/18/2014 05:00
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.031**	J	**0.0010**	**0.050**	**mg/Kg-dry**	1	4/27/2014 20:32
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.57**		**0.0019**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Arsenic	**3.6**		**0.065**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Barium	**7.5**		**0.013**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Beryllium	**0.14**	J	**0.0038**	**0.19**	**mg/Kg-dry**	1	4/24/2014 23:04
Cadmium	**0.078**	J	**0.0019**	**0.19**	**mg/Kg-dry**	1	4/24/2014 23:04
Chromium	**1.7**		**0.078**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Cobalt	**0.91**		**0.0019**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Copper	**8.3**		**0.094**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Iron	**7,100**		**1.6**	**7.6**	**mg/Kg-dry**	1	4/24/2014 23:04
Lead	**8.3**		**0.0019**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Manganese	**15**		**0.042**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Molybdenum	**0.70**		**0.021**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Nickel	**2.2**		**0.048**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Selenium	**0.38**	J	**0.061**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Silver	**0.0061**	J	**0.0019**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Thallium	**0.036**	J	**0.011**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Vanadium	**3.2**		**0.029**	**0.48**	**mg/Kg-dry**	1	4/24/2014 23:04
Zinc	**3.1**		**0.040**	**0.96**	**mg/Kg-dry**	1	4/24/2014 23:04
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
Acenaphthene	U		1.2	7.9	µg/Kg-dry	1	4/23/2014 04:13
Acenaphthylene	**580**		**1.4**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Anthracene	**370**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-001
Collection Date: 4/14/2014 09:55 AM

Work Order: 1404759
Lab ID: 1404759-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Benzo(a)anthracene	**750**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Benzo(a)pyrene	**770**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Benzo(b)fluoranthene	**1,500**		**2.3**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Benzo(g,h,i)perylene	**430**		**3.1**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Benzo(k)fluoranthene	**540**		**1.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Chrysene	**1,100**		**1.9**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Dibenzo(a,h)anthracene	**160**		**2.9**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Fluoranthene	**1,400**		**2.8**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Fluorene	**87**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Indeno(1,2,3-cd)pyrene	**540**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Phenanthrene	**1,700**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Pyrene	**750**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 04:13
Surr: 2-Fluorobiphenyl	*69.3*			*12-100*	*%REC*	1	4/23/2014 04:13
Surr: 4-Terphenyl-d14	*86.4*			*25-137*	*%REC*	1	4/23/2014 04:13
Surr: Nitrobenzene-d5	*63.0*			*37-107*	*%REC*	1	4/23/2014 04:13
BatchID: 57777							
2-Methylnaphthalene	**3,400**		**16**	**40**	**µg/Kg-dry**	5	4/24/2014 11:56
Naphthalene	**2,600**		**15**	**40**	**µg/Kg-dry**	5	4/24/2014 11:56
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **RS**
BatchID: 57896							
1,1,1-Trichloroethane	U		28	73	µg/Kg-dry	1	4/25/2014 07:59
1,1,2,2-Tetrachloroethane	U		32	73	µg/Kg-dry	1	4/25/2014 07:59
1,1,2-Trichloroethane	U		26	73	µg/Kg-dry	1	4/25/2014 07:59
1,1,2-Trichlorotrifluoroethane	U		27	73	µg/Kg-dry	1	4/25/2014 07:59
1,1-Dichloroethane	U		27	73	µg/Kg-dry	1	4/25/2014 07:59
1,1-Dichloroethene	U		30	73	µg/Kg-dry	1	4/25/2014 07:59
1,2,4-Trichlorobenzene	U		38	73	µg/Kg-dry	1	4/25/2014 07:59
1,2-Dibromo-3-chloropropane	U		35	73	µg/Kg-dry	1	4/25/2014 07:59
1,2-Dibromoethane	U		29	73	µg/Kg-dry	1	4/25/2014 07:59
1,2-Dichlorobenzene	U		29	73	µg/Kg-dry	1	4/25/2014 07:59
1,2-Dichloroethane	U		34	73	µg/Kg-dry	1	4/25/2014 07:59
1,2-Dichloropropane	U		24	73	µg/Kg-dry	1	4/25/2014 07:59
1,3-Dichlorobenzene	U		29	73	µg/Kg-dry	1	4/25/2014 07:59
1,4-Dichlorobenzene	U		28	73	µg/Kg-dry	1	4/25/2014 07:59
2-Butanone	U		180	480	µg/Kg-dry	1	4/25/2014 07:59
2-Hexanone	U		18	73	µg/Kg-dry	1	4/25/2014 07:59
4-Methyl-2-pentanone	U		25	73	µg/Kg-dry	1	4/25/2014 07:59
Acetone	**530**		**150**	**240**	**µg/Kg-dry**	1	4/25/2014 07:59
Benzene	**570**		**29**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-001
Collection Date: 4/14/2014 09:55 AM

Work Order: 1404759
Lab ID: 1404759-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		16	73	µg/Kg-dry	1	4/25/2014 07:59
Bromoform	U		14	73	µg/Kg-dry	1	4/25/2014 07:59
Bromomethane	U		28	180	µg/Kg-dry	1	4/25/2014 07:59
Carbon disulfide	U		36	73	µg/Kg-dry	1	4/25/2014 07:59
Carbon tetrachloride	U		21	73	µg/Kg-dry	1	4/25/2014 07:59
Chlorobenzene	U		30	73	µg/Kg-dry	1	4/25/2014 07:59
Chloroethane	U		150	240	µg/Kg-dry	1	4/25/2014 07:59
Chloroform	U		30	73	µg/Kg-dry	1	4/25/2014 07:59
Chloromethane	U		40	240	µg/Kg-dry	1	4/25/2014 07:59
cis-1,2-Dichloroethene	U		29	73	µg/Kg-dry	1	4/25/2014 07:59
cis-1,3-Dichloropropene	U		25	73	µg/Kg-dry	1	4/25/2014 07:59
Cyclohexane	**1,100**		**33**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59
Dibromochloromethane	U		13	73	µg/Kg-dry	1	4/25/2014 07:59
Dichlorodifluoromethane	U		33	73	µg/Kg-dry	1	4/25/2014 07:59
Ethylbenzene	**760**		**27**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59
Isopropylbenzene	**690**		**31**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59
Methyl acetate	**310**	J	**97**	**480**	**µg/Kg-dry**	1	4/25/2014 07:59
Methyl tert-butyl ether	U		31	73	µg/Kg-dry	1	4/25/2014 07:59
Methylcyclohexane	**4,400**		**34**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59
Methylene chloride	U		28	73	µg/Kg-dry	1	4/25/2014 07:59
Styrene	U		27	73	µg/Kg-dry	1	4/25/2014 07:59
Tetrachloroethene	U		32	73	µg/Kg-dry	1	4/25/2014 07:59
Toluene	**2,700**		**27**	**73**	**µg/Kg-dry**	1	4/25/2014 07:59
trans-1,2-Dichloroethene	U		22	73	µg/Kg-dry	1	4/25/2014 07:59
trans-1,3-Dichloropropene	U		24	73	µg/Kg-dry	1	4/25/2014 07:59
Trichloroethene	U		34	73	µg/Kg-dry	1	4/25/2014 07:59
Trichlorofluoromethane	U		20	73	µg/Kg-dry	1	4/25/2014 07:59
Vinyl chloride	U		33	73	µg/Kg-dry	1	4/25/2014 07:59
Xylenes, Total	**5,300**		**86**	**220**	**µg/Kg-dry**	1	4/25/2014 07:59
Surr: 1,2-Dichloroethane-d4	*98.0*			*70-130*	*%REC*	1	4/25/2014 07:59
Surr: 4-Bromofluorobenzene	*100*			*70-130*	*%REC*	1	4/25/2014 07:59
Surr: Dibromofluoromethane	*88.0*			*70-130*	*%REC*	1	4/25/2014 07:59
Surr: Toluene-d8	*99.2*			*70-130*	*%REC*	1	4/25/2014 07:59
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**18**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-002
Collection Date: 4/14/2014 09:57 AM

Work Order: 1404759
Lab ID: 1404759-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		52	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1221	U		52	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1232	U		52	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1242	U		52	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1248	U		52	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1254	U		34	92	µg/Kg-dry	1	4/18/2014 05:17
Aroclor 1260	U		34	92	µg/Kg-dry	1	4/18/2014 05:17
Surr: Decachlorobiphenyl	*88.1*			*40-140*	*%REC*	1	4/18/2014 05:17
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.014**	J	**0.00091**	**0.045**	**mg/Kg-dry**	1	4/27/2014 20:34
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.075**	J	**0.0018**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Arsenic	**1.4**		**0.060**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Barium	**5.4**		**0.012**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Beryllium	**0.081**	J	**0.0036**	**0.18**	**mg/Kg-dry**	1	4/24/2014 23:09
Cadmium	**0.017**	J	**0.0018**	**0.18**	**mg/Kg-dry**	1	4/24/2014 23:09
Chromium	**1.4**		**0.073**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Cobalt	**1.4**		**0.0018**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Copper	**4.4**		**0.087**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Iron	**11,000**		**1.5**	**7.1**	**mg/Kg-dry**	1	4/24/2014 23:09
Lead	**1.0**		**0.0018**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Manganese	**4.5**		**0.039**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Molybdenum	**0.95**		**0.020**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Nickel	**3.7**		**0.044**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Selenium	**0.21**	J	**0.057**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Silver	**0.0020**	J	**0.0018**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Thallium	**0.041**	J	**0.011**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Vanadium	**2.6**		**0.027**	**0.44**	**mg/Kg-dry**	1	4/24/2014 23:09
Zinc	**0.61**	J	**0.037**	**0.89**	**mg/Kg-dry**	1	4/24/2014 23:09
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
2-Methylnaphthalene	**2,200**		**3.1**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Acenaphthene	U		1.1	7.5	µg/Kg-dry	1	4/23/2014 04:33
Acenaphthylene	U		1.4	7.5	µg/Kg-dry	1	4/23/2014 04:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-002
Collection Date: 4/14/2014 09:57 AM

Work Order: 1404759
Lab ID: 1404759-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**110**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Benzo(a)anthracene	**150**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Benzo(a)pyrene	**140**		**2.4**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Benzo(b)fluoranthene	**170**		**2.2**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Benzo(g,h,i)perylene	**87**		**2.9**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Benzo(k)fluoranthene	**61**		**1.6**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Chrysene	**200**		**1.8**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Dibenzo(a,h)anthracene	U		2.8	7.5	µg/Kg-dry	1	4/23/2014 04:33
Fluoranthene	**210**		**2.6**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Fluorene	U		2.5	7.5	µg/Kg-dry	1	4/23/2014 04:33
Indeno(1,2,3-cd)pyrene	**78**		**2.5**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Naphthalene	**1,600**		**2.8**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Phenanthrene	**860**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Pyrene	**140**		**2.5**	**7.5**	**µg/Kg-dry**	1	4/23/2014 04:33
Surr: 2-Fluorobiphenyl	*60.2*			*12-100*	*%REC*	1	4/23/2014 04:33
Surr: 4-Terphenyl-d14	*76.4*			*25-137*	*%REC*	1	4/23/2014 04:33
Surr: Nitrobenzene-d5	*51.5*			*37-107*	*%REC*	1	4/23/2014 04:33
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **RS**
BatchID: 57896							
1,1,1-Trichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 08:25
1,1,2,2-Tetrachloroethane	U		21	48	µg/Kg-dry	1	4/25/2014 08:25
1,1,2-Trichloroethane	U		17	48	µg/Kg-dry	1	4/25/2014 08:25
1,1,2-Trichlorotrifluoroethane	U		18	48	µg/Kg-dry	1	4/25/2014 08:25
1,1-Dichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 08:25
1,1-Dichloroethene	U		20	48	µg/Kg-dry	1	4/25/2014 08:25
1,2,4-Trichlorobenzene	U		25	48	µg/Kg-dry	1	4/25/2014 08:25
1,2-Dibromo-3-chloropropane	U		23	48	µg/Kg-dry	1	4/25/2014 08:25
1,2-Dibromoethane	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
1,2-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
1,2-Dichloroethane	U		23	48	µg/Kg-dry	1	4/25/2014 08:25
1,2-Dichloropropane	U		16	48	µg/Kg-dry	1	4/25/2014 08:25
1,3-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
1,4-Dichlorobenzene	U		18	48	µg/Kg-dry	1	4/25/2014 08:25
2-Butanone	U		120	320	µg/Kg-dry	1	4/25/2014 08:25
2-Hexanone	U		12	48	µg/Kg-dry	1	4/25/2014 08:25
4-Methyl-2-pentanone	U		16	48	µg/Kg-dry	1	4/25/2014 08:25
Acetone	U		100	160	µg/Kg-dry	1	4/25/2014 08:25
Benzene	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
Bromodichloromethane	U		11	48	µg/Kg-dry	1	4/25/2014 08:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-002
Collection Date: 4/14/2014 09:57 AM

Work Order: 1404759
Lab ID: 1404759-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		9.5	48	µg/Kg-dry	1	4/25/2014 08:25
Bromomethane	U		18	120	µg/Kg-dry	1	4/25/2014 08:25
Carbon disulfide	U		24	48	µg/Kg-dry	1	4/25/2014 08:25
Carbon tetrachloride	U		14	48	µg/Kg-dry	1	4/25/2014 08:25
Chlorobenzene	U		20	48	µg/Kg-dry	1	4/25/2014 08:25
Chloroethane	U		100	160	µg/Kg-dry	1	4/25/2014 08:25
Chloroform	U		20	48	µg/Kg-dry	1	4/25/2014 08:25
Chloromethane	U		27	160	µg/Kg-dry	1	4/25/2014 08:25
cis-1,2-Dichloroethene	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
cis-1,3-Dichloropropene	U		16	48	µg/Kg-dry	1	4/25/2014 08:25
Cyclohexane	**110**		**22**	**48**	**µg/Kg-dry**	1	4/25/2014 08:25
Dibromochloromethane	U		8.9	48	µg/Kg-dry	1	4/25/2014 08:25
Dichlorodifluoromethane	U		22	48	µg/Kg-dry	1	4/25/2014 08:25
Ethylbenzene	**52**		**18**	**48**	**µg/Kg-dry**	1	4/25/2014 08:25
Isopropylbenzene	**37**	J	**21**	**48**	**µg/Kg-dry**	1	4/25/2014 08:25
Methyl acetate	U		64	320	µg/Kg-dry	1	4/25/2014 08:25
Methyl tert-butyl ether	U		20	48	µg/Kg-dry	1	4/25/2014 08:25
Methylcyclohexane	**600**		**22**	**48**	**µg/Kg-dry**	1	4/25/2014 08:25
Methylene chloride	U		19	48	µg/Kg-dry	1	4/25/2014 08:25
Styrene	U		18	48	µg/Kg-dry	1	4/25/2014 08:25
Tetrachloroethene	U		21	48	µg/Kg-dry	1	4/25/2014 08:25
Toluene	**150**		**18**	**48**	**µg/Kg-dry**	1	4/25/2014 08:25
trans-1,2-Dichloroethene	U		15	48	µg/Kg-dry	1	4/25/2014 08:25
trans-1,3-Dichloropropene	U		16	48	µg/Kg-dry	1	4/25/2014 08:25
Trichloroethene	U		22	48	µg/Kg-dry	1	4/25/2014 08:25
Trichlorofluoromethane	U		13	48	µg/Kg-dry	1	4/25/2014 08:25
Vinyl chloride	U		22	48	µg/Kg-dry	1	4/25/2014 08:25
Xylenes, Total	**600**		**57**	**140**	**µg/Kg-dry**	1	4/25/2014 08:25
Surr: 1,2-Dichloroethane-d4	*99.0*			*70-130*	*%REC*	1	4/25/2014 08:25
Surr: 4-Bromofluorobenzene	*99.0*			*70-130*	*%REC*	1	4/25/2014 08:25
Surr: Dibromofluoromethane	*89.2*			*70-130*	*%REC*	1	4/25/2014 08:25
Surr: Toluene-d8	*97.8*			*70-130*	*%REC*	1	4/25/2014 08:25
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-003
Collection Date: 4/14/2014 10:10 AM

Work Order: 1404759
Lab ID: 1404759-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		50	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1221	U		50	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1232	U		50	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1242	U		50	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1248	U		50	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1254	U		32	88	µg/Kg-dry	1	4/18/2014 05:33
Aroclor 1260	U		32	88	µg/Kg-dry	1	4/18/2014 05:33
Surr: Decachlorobiphenyl	*92.1*			*40-140*	*%REC*	1	4/18/2014 05:33
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.025**	J	**0.0011**	**0.054**	**mg/Kg-dry**	1	4/27/2014 20:36
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.20**	J	**0.0017**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Arsenic	**0.90**		**0.058**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Barium	**6.3**		**0.012**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Beryllium	**0.21**		**0.0034**	**0.17**	**mg/Kg-dry**	1	4/24/2014 23:15
Cadmium	**0.079**	J	**0.0017**	**0.17**	**mg/Kg-dry**	1	4/24/2014 23:15
Chromium	**2.6**		**0.069**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Cobalt	**1.3**		**0.0017**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Copper	**5.9**		**0.083**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Iron	**4,300**		**1.4**	**6.8**	**mg/Kg-dry**	1	4/24/2014 23:15
Lead	**3.7**		**0.0017**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Manganese	**50**		**0.037**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Molybdenum	**0.36**	J	**0.019**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Nickel	**4.0**		**0.042**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Selenium	**0.41**	J	**0.054**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Silver	**0.0030**	J	**0.0017**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Thallium	**0.040**	J	**0.010**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Vanadium	**4.7**		**0.025**	**0.42**	**mg/Kg-dry**	1	4/24/2014 23:15
Zinc	**19**		**0.036**	**0.85**	**mg/Kg-dry**	1	4/24/2014 23:15
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
2-Methylnaphthalene	**310**		**3.0**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Acenaphthene	U		1.1	7.3	µg/Kg-dry	1	4/23/2014 04:53
Acenaphthylene	U		1.3	7.3	µg/Kg-dry	1	4/23/2014 04:53

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-003
Collection Date: 4/14/2014 10:10 AM

Work Order: 1404759
Lab ID: 1404759-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**68**		**1.4**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Benzo(a)anthracene	**140**		**1.4**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Benzo(a)pyrene	**130**		**2.4**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Benzo(b)fluoranthene	**200**		**2.1**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Benzo(g,h,i)perylene	**78**		**2.9**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Benzo(k)fluoranthene	**57**		**1.5**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Chrysene	**160**		**1.7**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Dibenzo(a,h)anthracene	U		2.7	7.3	µg/Kg-dry	1	4/23/2014 04:53
Fluoranthene	**210**		**2.5**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Fluorene	U		2.4	7.3	µg/Kg-dry	1	4/23/2014 04:53
Indeno(1,2,3-cd)pyrene	**84**		**2.4**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Naphthalene	**220**		**2.7**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Phenanthrene	**280**		**1.5**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Pyrene	**120**		**2.5**	**7.3**	**µg/Kg-dry**	1	4/23/2014 04:53
Surr: 2-Fluorobiphenyl	*68.2*			*12-100*	*%REC*	1	4/23/2014 04:53
Surr: 4-Terphenyl-d14	*81.9*			*25-137*	*%REC*	1	4/23/2014 04:53
Surr: Nitrobenzene-d5	*59.8*			*37-107*	*%REC*	1	4/23/2014 04:53
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **RS**
BatchID: 57896							
1,1,1-Trichloroethane	U		19	49	µg/Kg-dry	1	4/25/2014 08:50
1,1,2,2-Tetrachloroethane	U		22	49	µg/Kg-dry	1	4/25/2014 08:50
1,1,2-Trichloroethane	U		17	49	µg/Kg-dry	1	4/25/2014 08:50
1,1,2-Trichlorotrifluoroethane	U		18	49	µg/Kg-dry	1	4/25/2014 08:50
1,1-Dichloroethane	U		18	49	µg/Kg-dry	1	4/25/2014 08:50
1,1-Dichloroethene	U		21	49	µg/Kg-dry	1	4/25/2014 08:50
1,2,4-Trichlorobenzene	U		25	49	µg/Kg-dry	1	4/25/2014 08:50
1,2-Dibromo-3-chloropropane	U		24	49	µg/Kg-dry	1	4/25/2014 08:50
1,2-Dibromoethane	U		19	49	µg/Kg-dry	1	4/25/2014 08:50
1,2-Dichlorobenzene	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
1,2-Dichloroethane	U		23	49	µg/Kg-dry	1	4/25/2014 08:50
1,2-Dichloropropane	U		16	49	µg/Kg-dry	1	4/25/2014 08:50
1,3-Dichlorobenzene	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
1,4-Dichlorobenzene	U		19	49	µg/Kg-dry	1	4/25/2014 08:50
2-Butanone	U		120	330	µg/Kg-dry	1	4/25/2014 08:50
2-Hexanone	U		12	49	µg/Kg-dry	1	4/25/2014 08:50
4-Methyl-2-pentanone	U		17	49	µg/Kg-dry	1	4/25/2014 08:50
Acetone	U		100	160	µg/Kg-dry	1	4/25/2014 08:50
Benzene	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
Bromodichloromethane	U		11	49	µg/Kg-dry	1	4/25/2014 08:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-003
Collection Date: 4/14/2014 10:10 AM

Work Order: 1404759
Lab ID: 1404759-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		9.6	49	µg/Kg-dry	1	4/25/2014 08:50
Bromomethane	U		19	120	µg/Kg-dry	1	4/25/2014 08:50
Carbon disulfide	U		24	49	µg/Kg-dry	1	4/25/2014 08:50
Carbon tetrachloride	U		14	49	µg/Kg-dry	1	4/25/2014 08:50
Chlorobenzene	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
Chloroethane	U		100	160	µg/Kg-dry	1	4/25/2014 08:50
Chloroform	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
Chloromethane	U		27	160	µg/Kg-dry	1	4/25/2014 08:50
cis-1,2-Dichloroethene	U		20	49	µg/Kg-dry	1	4/25/2014 08:50
cis-1,3-Dichloropropene	U		17	49	µg/Kg-dry	1	4/25/2014 08:50
Cyclohexane	**200**		**22**	**49**	**µg/Kg-dry**	1	4/25/2014 08:50
Dibromochloromethane	U		9.1	49	µg/Kg-dry	1	4/25/2014 08:50
Dichlorodifluoromethane	U		22	49	µg/Kg-dry	1	4/25/2014 08:50
Ethylbenzene	**44**	J	**18**	**49**	**µg/Kg-dry**	1	4/25/2014 08:50
Isopropylbenzene	**22**	J	**21**	**49**	**µg/Kg-dry**	1	4/25/2014 08:50
Methyl acetate	**170**	J	**66**	**330**	**µg/Kg-dry**	1	4/25/2014 08:50
Methyl tert-butyl ether	U		21	49	µg/Kg-dry	1	4/25/2014 08:50
Methylcyclohexane	**590**		**23**	**49**	**µg/Kg-dry**	1	4/25/2014 08:50
Methylene chloride	U		19	49	µg/Kg-dry	1	4/25/2014 08:50
Styrene	U		18	49	µg/Kg-dry	1	4/25/2014 08:50
Tetrachloroethene	U		22	49	µg/Kg-dry	1	4/25/2014 08:50
Toluene	**120**		**18**	**49**	**µg/Kg-dry**	1	4/25/2014 08:50
trans-1,2-Dichloroethene	U		15	49	µg/Kg-dry	1	4/25/2014 08:50
trans-1,3-Dichloropropene	U		16	49	µg/Kg-dry	1	4/25/2014 08:50
Trichloroethene	U		23	49	µg/Kg-dry	1	4/25/2014 08:50
Trichlorofluoromethane	U		13	49	µg/Kg-dry	1	4/25/2014 08:50
Vinyl chloride	U		22	49	µg/Kg-dry	1	4/25/2014 08:50
Xylenes, Total	**470**		**58**	**150**	**µg/Kg-dry**	1	4/25/2014 08:50
Surr: 1,2-Dichloroethane-d4	*97.4*			*70-130*	*%REC*	1	4/25/2014 08:50
Surr: 4-Bromofluorobenzene	*98.6*			*70-130*	*%REC*	1	4/25/2014 08:50
Surr: Dibromofluoromethane	*90.0*			*70-130*	*%REC*	1	4/25/2014 08:50
Surr: Toluene-d8	*97.6*			*70-130*	*%REC*	1	4/25/2014 08:50
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**11**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-004
Collection Date: 4/14/2014 10:15 AM

Work Order: 1404759
Lab ID: 1404759-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		80	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1221	U		80	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1232	U		80	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1242	U		80	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1248	U		80	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1254	U		52	140	µg/Kg-dry	1	4/18/2014 05:49
Aroclor 1260	U		52	140	µg/Kg-dry	1	4/18/2014 05:49
Surr: Decachlorobiphenyl	*83.1*			*40-140*	*%REC*	1	4/18/2014 05:49
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0038**	J	**0.0014**	**0.068**	**mg/Kg-dry**	1	4/27/2014 20:39
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.44**	J	**0.015**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Arsenic	**15**		**0.50**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Beryllium	**0.50**	J	**0.029**	**1.5**	**mg/Kg-dry**	5	4/25/2014 00:55
Cadmium	**0.93**	J	**0.015**	**1.5**	**mg/Kg-dry**	5	4/25/2014 00:55
Chromium	**28**		**0.60**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Cobalt	**12**		**0.015**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Copper	**30**		**0.72**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Iron	**32,000**		**12**	**59**	**mg/Kg-dry**	5	4/25/2014 00:55
Lead	**16**		**0.015**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Manganese	**710**		**0.32**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Molybdenum	**13**		**0.16**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Nickel	**36**		**0.37**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Selenium	**8.0**		**0.47**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Silver	**0.069**	J	**0.015**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Thallium	**1.0**	J	**0.088**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Vanadium	**45**		**0.22**	**3.7**	**mg/Kg-dry**	5	4/25/2014 00:55
Zinc	**58**		**0.31**	**7.3**	**mg/Kg-dry**	5	4/25/2014 00:55
BatchID: 57819							
Barium	**1,100**		**1.0**	**37**	**mg/Kg-dry**	50	4/25/2014 15:59
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
2-Methylnaphthalene	U		4.8	12	µg/Kg-dry	1	4/23/2014 05:13
Acenaphthene	U		1.7	12	µg/Kg-dry	1	4/23/2014 05:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-004
Collection Date: 4/14/2014 10:15 AM

Work Order: 1404759
Lab ID: 1404759-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.1	12	µg/Kg-dry	1	4/23/2014 05:13
Anthracene	U		2.3	12	µg/Kg-dry	1	4/23/2014 05:13
Benzo(a)anthracene	U		2.3	12	µg/Kg-dry	1	4/23/2014 05:13
Benzo(a)pyrene	U		3.8	12	µg/Kg-dry	1	4/23/2014 05:13
Benzo(b)fluoranthene	U		3.4	12	µg/Kg-dry	1	4/23/2014 05:13
Benzo(g,h,i)perylene	U		4.6	12	µg/Kg-dry	1	4/23/2014 05:13
Benzo(k)fluoranthene	U		2.5	12	µg/Kg-dry	1	4/23/2014 05:13
Chrysene	U		2.8	12	µg/Kg-dry	1	4/23/2014 05:13
Dibenzo(a,h)anthracene	U		4.3	12	µg/Kg-dry	1	4/23/2014 05:13
Fluoranthene	U		4.1	12	µg/Kg-dry	1	4/23/2014 05:13
Fluorene	U		3.9	12	µg/Kg-dry	1	4/23/2014 05:13
Indeno(1,2,3-cd)pyrene	U		3.9	12	µg/Kg-dry	1	4/23/2014 05:13
Naphthalene	U		4.3	12	µg/Kg-dry	1	4/23/2014 05:13
Phenanthrene	U		2.3	12	µg/Kg-dry	1	4/23/2014 05:13
Pyrene	U		3.9	12	µg/Kg-dry	1	4/23/2014 05:13
Surr: 2-Fluorobiphenyl	*56.8*			*12-100*	*%REC*	1	4/23/2014 05:13
Surr: 4-Terphenyl-d14	*70.4*			*25-137*	*%REC*	1	4/23/2014 05:13
Surr: Nitrobenzene-d5	*48.7*			*37-107*	*%REC*	1	4/23/2014 05:13
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **RS**
BatchID: 57896							
1,1,1-Trichloroethane	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
1,1,2,2-Tetrachloroethane	U		33	74	µg/Kg-dry	1	4/25/2014 09:16
1,1,2-Trichloroethane	U		26	74	µg/Kg-dry	1	4/25/2014 09:16
1,1,2-Trichlorotrifluoroethane	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
1,1-Dichloroethane	U		27	74	µg/Kg-dry	1	4/25/2014 09:16
1,1-Dichloroethene	U		31	74	µg/Kg-dry	1	4/25/2014 09:16
1,2,4-Trichlorobenzene	U		39	74	µg/Kg-dry	1	4/25/2014 09:16
1,2-Dibromo-3-chloropropane	U		36	74	µg/Kg-dry	1	4/25/2014 09:16
1,2-Dibromoethane	U		29	74	µg/Kg-dry	1	4/25/2014 09:16
1,2-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 09:16
1,2-Dichloroethane	U		35	74	µg/Kg-dry	1	4/25/2014 09:16
1,2-Dichloropropane	U		25	74	µg/Kg-dry	1	4/25/2014 09:16
1,3-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 09:16
1,4-Dichlorobenzene	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
2-Butanone	U		180	500	µg/Kg-dry	1	4/25/2014 09:16
2-Hexanone	U		18	74	µg/Kg-dry	1	4/25/2014 09:16
4-Methyl-2-pentanone	U		25	74	µg/Kg-dry	1	4/25/2014 09:16
Acetone	U		160	250	µg/Kg-dry	1	4/25/2014 09:16
Benzene	U		30	74	µg/Kg-dry	1	4/25/2014 09:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-004
Collection Date: 4/14/2014 10:15 AM

Work Order: 1404759
Lab ID: 1404759-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		17	74	µg/Kg-dry	1	4/25/2014 09:16
Bromoform	U		15	74	µg/Kg-dry	1	4/25/2014 09:16
Bromomethane	U		29	190	µg/Kg-dry	1	4/25/2014 09:16
Carbon disulfide	U		37	74	µg/Kg-dry	1	4/25/2014 09:16
Carbon tetrachloride	U		21	74	µg/Kg-dry	1	4/25/2014 09:16
Chlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 09:16
Chloroethane	U		160	250	µg/Kg-dry	1	4/25/2014 09:16
Chloroform	U		31	74	µg/Kg-dry	1	4/25/2014 09:16
Chloromethane	U		41	250	µg/Kg-dry	1	4/25/2014 09:16
cis-1,2-Dichloroethene	U		30	74	µg/Kg-dry	1	4/25/2014 09:16
cis-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 09:16
Cyclohexane	U		33	74	µg/Kg-dry	1	4/25/2014 09:16
Dibromochloromethane	U		14	74	µg/Kg-dry	1	4/25/2014 09:16
Dichlorodifluoromethane	U		34	74	µg/Kg-dry	1	4/25/2014 09:16
Ethylbenzene	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
Isopropylbenzene	U		32	74	µg/Kg-dry	1	4/25/2014 09:16
Methyl acetate	**260**	J	**100**	**500**	**µg/Kg-dry**	1	4/25/2014 09:16
Methyl tert-butyl ether	U		32	74	µg/Kg-dry	1	4/25/2014 09:16
Methylcyclohexane	U		35	74	µg/Kg-dry	1	4/25/2014 09:16
Methylene chloride	U		29	74	µg/Kg-dry	1	4/25/2014 09:16
Styrene	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
Tetrachloroethene	U		33	74	µg/Kg-dry	1	4/25/2014 09:16
Toluene	U		28	74	µg/Kg-dry	1	4/25/2014 09:16
trans-1,2-Dichloroethene	U		23	74	µg/Kg-dry	1	4/25/2014 09:16
trans-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 09:16
Trichloroethene	U		35	74	µg/Kg-dry	1	4/25/2014 09:16
Trichlorofluoromethane	U		21	74	µg/Kg-dry	1	4/25/2014 09:16
Vinyl chloride	U		34	74	µg/Kg-dry	1	4/25/2014 09:16
Xylenes, Total	U		88	220	µg/Kg-dry	1	4/25/2014 09:16
Surr: 1,2-Dichloroethane-d4	*97.9*			*70-130*	*%REC*	1	4/25/2014 09:16
Surr: 4-Bromofluorobenzene	*98.6*			*70-130*	*%REC*	1	4/25/2014 09:16
Surr: Dibromofluoromethane	*89.3*			*70-130*	*%REC*	1	4/25/2014 09:16
Surr: Toluene-d8	*97.3*			*70-130*	*%REC*	1	4/25/2014 09:16
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**44**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-005
Collection Date: 4/14/2014 10:20 AM

Work Order: 1404759
Lab ID: 1404759-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		63	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1221	U		63	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1232	U		63	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1242	U		63	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1248	U		63	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1254	U		41	110	µg/Kg-dry	1	4/18/2014 06:05
Aroclor 1260	U		41	110	µg/Kg-dry	1	4/18/2014 06:05
Surr: Decachlorobiphenyl	*98.1*			*40-140*	*%REC*	1	4/18/2014 06:05
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0022**	J	**0.00095**	**0.047**	**mg/Kg-dry**	1	4/27/2014 20:41
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.47**	J	**0.010**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Arsenic	**4.1**		**0.34**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Beryllium	**0.36**	J	**0.020**	**1.0**	**mg/Kg-dry**	5	4/25/2014 01:00
Cadmium	**0.50**	J	**0.010**	**1.0**	**mg/Kg-dry**	5	4/25/2014 01:00
Chromium	**22**		**0.41**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Cobalt	**7.6**		**0.010**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Copper	**21**		**0.49**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Iron	**21,000**		**8.3**	**40**	**mg/Kg-dry**	5	4/25/2014 01:00
Lead	**10**		**0.010**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Manganese	**300**		**0.22**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Molybdenum	**9.1**		**0.11**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Nickel	**24**		**0.25**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Selenium	**6.6**		**0.32**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Silver	**0.061**	J	**0.010**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Thallium	**1.0**	J	**0.060**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Vanadium	**40**		**0.15**	**2.5**	**mg/Kg-dry**	5	4/25/2014 01:00
Zinc	**41**		**0.21**	**5.0**	**mg/Kg-dry**	5	4/25/2014 01:00
BatchID: 57819							
Barium	**670**		**0.70**	**25**	**mg/Kg-dry**	50	4/25/2014 16:05
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
2-Methylnaphthalene	U		3.9	9.4	µg/Kg-dry	1	4/23/2014 05:34
Acenaphthene	U		1.4	9.4	µg/Kg-dry	1	4/23/2014 05:34

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-005
Collection Date: 4/14/2014 10:20 AM

Work Order: 1404759
Lab ID: 1404759-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.7	9.4	µg/Kg-dry	1	4/23/2014 05:34
Anthracene	U		1.9	9.4	µg/Kg-dry	1	4/23/2014 05:34
Benzo(a)anthracene	U		1.9	9.4	µg/Kg-dry	1	4/23/2014 05:34
Benzo(a)pyrene	U		3.1	9.4	µg/Kg-dry	1	4/23/2014 05:34
Benzo(b)fluoranthene	U		2.8	9.4	µg/Kg-dry	1	4/23/2014 05:34
Benzo(g,h,i)perylene	U		3.7	9.4	µg/Kg-dry	1	4/23/2014 05:34
Benzo(k)fluoranthene	U		2.0	9.4	µg/Kg-dry	1	4/23/2014 05:34
Chrysene	U		2.2	9.4	µg/Kg-dry	1	4/23/2014 05:34
Dibenzo(a,h)anthracene	U		3.5	9.4	µg/Kg-dry	1	4/23/2014 05:34
Fluoranthene	U		3.3	9.4	µg/Kg-dry	1	4/23/2014 05:34
Fluorene	U		3.2	9.4	µg/Kg-dry	1	4/23/2014 05:34
Indeno(1,2,3-cd)pyrene	U		3.1	9.4	µg/Kg-dry	1	4/23/2014 05:34
Naphthalene	U		3.5	9.4	µg/Kg-dry	1	4/23/2014 05:34
Phenanthrene	U		1.9	9.4	µg/Kg-dry	1	4/23/2014 05:34
Pyrene	U		3.2	9.4	µg/Kg-dry	1	4/23/2014 05:34
Surr: 2-Fluorobiphenyl	*61.6*			*12-100*	*%REC*	1	4/23/2014 05:34
Surr: 4-Terphenyl-d14	*81.2*			*25-137*	*%REC*	1	4/23/2014 05:34
Surr: Nitrobenzene-d5	*56.0*			*37-107*	*%REC*	1	4/23/2014 05:34
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57896							
1,1,1-Trichloroethane	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
1,1,2,2-Tetrachloroethane	U		19	42	µg/Kg-dry	1	4/25/2014 18:10
1,1,2-Trichloroethane	U		15	42	µg/Kg-dry	1	4/25/2014 18:10
1,1,2-Trichlorotrifluoroethane	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
1,1-Dichloroethane	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
1,1-Dichloroethene	U		18	42	µg/Kg-dry	1	4/25/2014 18:10
1,2,4-Trichlorobenzene	U		22	42	µg/Kg-dry	1	4/25/2014 18:10
1,2-Dibromo-3-chloropropane	U		21	42	µg/Kg-dry	1	4/25/2014 18:10
1,2-Dibromoethane	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
1,2-Dichlorobenzene	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
1,2-Dichloroethane	U		20	42	µg/Kg-dry	1	4/25/2014 18:10
1,2-Dichloropropane	U		14	42	µg/Kg-dry	1	4/25/2014 18:10
1,3-Dichlorobenzene	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
1,4-Dichlorobenzene	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
2-Butanone	U		100	280	µg/Kg-dry	1	4/25/2014 18:10
2-Hexanone	U		10	42	µg/Kg-dry	1	4/25/2014 18:10
4-Methyl-2-pentanone	U		14	42	µg/Kg-dry	1	4/25/2014 18:10
Acetone	U		90	140	µg/Kg-dry	1	4/25/2014 18:10
Benzene	U		17	42	µg/Kg-dry	1	4/25/2014 18:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-005
Collection Date: 4/14/2014 10:20 AM

Work Order: 1404759
Lab ID: 1404759-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		9.5	42	µg/Kg-dry	1	4/25/2014 18:10
Bromoform	U		8.4	42	µg/Kg-dry	1	4/25/2014 18:10
Bromomethane	U		16	110	µg/Kg-dry	1	4/25/2014 18:10
Carbon disulfide	U		21	42	µg/Kg-dry	1	4/25/2014 18:10
Carbon tetrachloride	U		12	42	µg/Kg-dry	1	4/25/2014 18:10
Chlorobenzene	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
Chloroethane	U		90	140	µg/Kg-dry	1	4/25/2014 18:10
Chloroform	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
Chloromethane	U		24	140	µg/Kg-dry	1	4/25/2014 18:10
cis-1,2-Dichloroethene	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
cis-1,3-Dichloropropene	U		15	42	µg/Kg-dry	1	4/25/2014 18:10
Cyclohexane	U		19	42	µg/Kg-dry	1	4/25/2014 18:10
Dibromochloromethane	U		7.8	42	µg/Kg-dry	1	4/25/2014 18:10
Dichlorodifluoromethane	U		19	42	µg/Kg-dry	1	4/25/2014 18:10
Ethylbenzene	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
Isopropylbenzene	U		18	42	µg/Kg-dry	1	4/25/2014 18:10
Methyl acetate	**270**	J	**57**	**280**	**µg/Kg-dry**	1	4/25/2014 18:10
Methyl tert-butyl ether	U		18	42	µg/Kg-dry	1	4/25/2014 18:10
Methylcyclohexane	U		20	42	µg/Kg-dry	1	4/25/2014 18:10
Methylene chloride	U		17	42	µg/Kg-dry	1	4/25/2014 18:10
Styrene	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
Tetrachloroethene	U		19	42	µg/Kg-dry	1	4/25/2014 18:10
Toluene	U		16	42	µg/Kg-dry	1	4/25/2014 18:10
trans-1,2-Dichloroethene	U		13	42	µg/Kg-dry	1	4/25/2014 18:10
trans-1,3-Dichloropropene	U		14	42	µg/Kg-dry	1	4/25/2014 18:10
Trichloroethene	U		20	42	µg/Kg-dry	1	4/25/2014 18:10
Trichlorofluoromethane	U		12	42	µg/Kg-dry	1	4/25/2014 18:10
Vinyl chloride	U		19	42	µg/Kg-dry	1	4/25/2014 18:10
Xylenes, Total	U		50	130	µg/Kg-dry	1	4/25/2014 18:10
Surr: 1,2-Dichloroethane-d4	*92.8*			*70-130*	*%REC*	1	4/25/2014 18:10
Surr: 4-Bromofluorobenzene	*88.9*			*70-130*	*%REC*	1	4/25/2014 18:10
Surr: Dibromofluoromethane	*96.2*			*70-130*	*%REC*	1	4/25/2014 18:10
Surr: Toluene-d8	*97.4*			*70-130*	*%REC*	1	4/25/2014 18:10
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**29**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-006
Collection Date: 4/14/2014 10:25 AM

Work Order: 1404759
Lab ID: 1404759-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		49	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1221	U		49	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1232	U		49	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1242	U		49	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1248	U		49	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1254	U		31	86	µg/Kg-dry	1	4/18/2014 06:21
Aroclor 1260	U		31	86	µg/Kg-dry	1	4/18/2014 06:21
Surr: Decachlorobiphenyl	*101*			*40-140*	*%REC*	1	4/18/2014 06:21
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0080**	J	**0.00079**	**0.040**	**mg/Kg-dry**	1	4/27/2014 20:43
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57819							
Antimony	**0.096**	J	**0.0070**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Arsenic	**1.7**		**0.24**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Barium	**16**		**0.049**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Beryllium	**0.15**	J	**0.014**	**0.70**	**mg/Kg-dry**	5	4/24/2014 09:05
Cadmium	**0.068**	J	**0.0070**	**0.70**	**mg/Kg-dry**	5	4/24/2014 09:05
Chromium	**4.7**		**0.29**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Cobalt	**2.3**		**0.0070**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Copper	**4.7**		**0.34**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Iron	**5,000**	B	**5.8**	**28**	**mg/Kg-dry**	5	4/24/2014 09:05
Lead	**5.0**		**0.0070**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Manganese	**120**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Molybdenum	**0.21**	J	**0.077**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Nickel	**4.5**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Selenium	**0.52**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Silver	**0.0071**	J	**0.0070**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Thallium	**0.051**	J	**0.042**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Vanadium	**9.3**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/24/2014 09:05
Zinc	**11**		**0.15**	**3.5**	**mg/Kg-dry**	5	4/24/2014 09:05
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **HL**
BatchID: 57777							
2-Methylnaphthalene	U		2.8	6.8	µg/Kg-dry	1	4/22/2014 09:45
Acenaphthene	U		1.0	6.8	µg/Kg-dry	1	4/22/2014 09:45
Acenaphthylene	U		1.2	6.8	µg/Kg-dry	1	4/22/2014 09:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-006
Collection Date: 4/14/2014 10:25 AM

Work Order: 1404759
Lab ID: 1404759-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 09:45
Benzo(a)anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 09:45
Benzo(a)pyrene	U		2.2	6.8	µg/Kg-dry	1	4/22/2014 09:45
Benzo(b)fluoranthene	U		2.0	6.8	µg/Kg-dry	1	4/22/2014 09:45
Benzo(g,h,i)perylene	U		2.7	6.8	µg/Kg-dry	1	4/22/2014 09:45
Benzo(k)fluoranthene	U		1.4	6.8	µg/Kg-dry	1	4/22/2014 09:45
Chrysene	U		1.6	6.8	µg/Kg-dry	1	4/22/2014 09:45
Dibenzo(a,h)anthracene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 09:45
Fluoranthene	U		2.4	6.8	µg/Kg-dry	1	4/22/2014 09:45
Fluorene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 09:45
Indeno(1,2,3-cd)pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 09:45
Naphthalene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 09:45
Phenanthrene	**30**		**1.4**	**6.8**	**µg/Kg-dry**	1	4/22/2014 09:45
Pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 09:45
Surr: 2-Fluorobiphenyl	*73.1*			*12-100*	*%REC*	1	4/22/2014 09:45
Surr: 4-Terphenyl-d14	*108*			*25-137*	*%REC*	1	4/22/2014 09:45
Surr: Nitrobenzene-d5	*56.7*			*37-107*	*%REC*	1	4/22/2014 09:45
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
1,1,2,2-Tetrachloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 05:14
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 05:14
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 05:14
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/25/2014 05:14
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 05:14
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
1,4-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
2-Butanone	U		82	220	µg/Kg-dry	1	4/25/2014 05:14
2-Hexanone	U		8.1	33	µg/Kg-dry	1	4/25/2014 05:14
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 05:14
Acetone	U		70	110	µg/Kg-dry	1	4/25/2014 05:14
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
Bromodichloromethane	U		7.4	33	µg/Kg-dry	1	4/25/2014 05:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-006
Collection Date: 4/14/2014 10:25 AM

Work Order: 1404759
Lab ID: 1404759-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.5	33	µg/Kg-dry	1	4/25/2014 05:14
Bromomethane	U		13	83	µg/Kg-dry	1	4/25/2014 05:14
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 05:14
Carbon tetrachloride	U		9.4	33	µg/Kg-dry	1	4/25/2014 05:14
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
Chloroethane	U		70	110	µg/Kg-dry	1	4/25/2014 05:14
Chloroform	U		14	33	µg/Kg-dry	1	4/25/2014 05:14
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 05:14
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 05:14
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Dibromochloromethane	U		6.1	33	µg/Kg-dry	1	4/25/2014 05:14
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 05:14
Methyl acetate	**260**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 05:14
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 05:14
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 05:14
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 05:14
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 05:14
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 05:14
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Trichlorofluoromethane	U		9.1	33	µg/Kg-dry	1	4/25/2014 05:14
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 05:14
Xylenes, Total	U		39	99	µg/Kg-dry	1	4/25/2014 05:14
Surr: 1,2-Dichloroethane-d4	*94.7*			*70-130*	*%REC*	1	4/25/2014 05:14
Surr: 4-Bromofluorobenzene	*88.0*			*70-130*	*%REC*	1	4/25/2014 05:14
Surr: Dibromofluoromethane	*97.1*			*70-130*	*%REC*	1	4/25/2014 05:14
Surr: Toluene-d8	*99.2*			*70-130*	*%REC*	1	4/25/2014 05:14
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**5.2**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-007
Collection Date: 4/14/2014 10:27 AM

Work Order: 1404759
Lab ID: 1404759-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		56	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1221	U		56	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1232	U		56	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1242	U		56	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1248	U		56	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1254	U		36	98	µg/Kg-dry	1	4/18/2014 06:37
Aroclor 1260	U		36	98	µg/Kg-dry	1	4/18/2014 06:37
Surr: Decachlorobiphenyl	*79.1*			*40-140*	*%REC*	1	4/18/2014 06:37
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.087**		**0.0011**	**0.057**	**mg/Kg-dry**	1	4/27/2014 20:57
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**3.1**		**0.0075**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Arsenic	**10**		**0.26**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Barium	**62**		**0.053**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Beryllium	**1.4**		**0.015**	**0.75**	**mg/Kg-dry**	5	4/26/2014 07:07
Cadmium	**1.0**		**0.0075**	**0.75**	**mg/Kg-dry**	5	4/26/2014 07:07
Chromium	**14**		**0.31**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Cobalt	**5.7**		**0.0075**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Copper	**53**		**0.37**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Iron	**47,000**		**6.2**	**30**	**mg/Kg-dry**	5	4/26/2014 07:07
Lead	**110**		**0.0075**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Manganese	**260**		**0.17**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Molybdenum	**4.0**		**0.083**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Nickel	**16**		**0.19**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Selenium	**2.0**		**0.24**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Silver	**0.067**	J	**0.0075**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Thallium	**0.33**	J	**0.045**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Vanadium	**29**		**0.11**	**1.9**	**mg/Kg-dry**	5	4/26/2014 07:07
Zinc	**130**		**0.16**	**3.8**	**mg/Kg-dry**	5	4/26/2014 07:07
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57777							
2-Methylnaphthalene	**1,600**		**3.2**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Acenaphthene	U		1.2	7.7	µg/Kg-dry	1	4/23/2014 05:54
Acenaphthylene	**750**		**1.4**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-007
Collection Date: 4/14/2014 10:27 AM

Work Order: 1404759
Lab ID: 1404759-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**530**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Benzo(a)anthracene	**830**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Benzo(a)pyrene	**1,100**		**2.5**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Benzo(b)fluoranthene	**1,900**		**2.3**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Benzo(g,h,i)perylene	**430**		**3.0**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Benzo(k)fluoranthene	**700**		**1.6**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Chrysene	**1,200**		**1.8**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Dibenzo(a,h)anthracene	**230**		**2.9**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Fluoranthene	**1,700**		**2.7**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Fluorene	**120**		**2.6**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Indeno(1,2,3-cd)pyrene	**750**		**2.6**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Naphthalene	**1,000**		**2.8**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Phenanthrene	**2,200**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Pyrene	**1,100**		**2.6**	**7.7**	**µg/Kg-dry**	1	4/23/2014 05:54
Surr: 2-Fluorobiphenyl	*69.1*			*12-100*	*%REC*	1	4/23/2014 05:54
Surr: 4-Terphenyl-d14	*85.2*			*25-137*	*%REC*	1	4/23/2014 05:54
Surr: Nitrobenzene-d5	*60.4*			*37-107*	*%REC*	1	4/23/2014 05:54
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		30	79	µg/Kg-dry	1	4/25/2014 05:39
1,1,2,2-Tetrachloroethane	U		35	79	µg/Kg-dry	1	4/25/2014 05:39
1,1,2-Trichloroethane	U		28	79	µg/Kg-dry	1	4/25/2014 05:39
1,1,2-Trichlorotrifluoroethane	U		29	79	µg/Kg-dry	1	4/25/2014 05:39
1,1-Dichloroethane	U		29	79	µg/Kg-dry	1	4/25/2014 05:39
1,1-Dichloroethene	U		33	79	µg/Kg-dry	1	4/25/2014 05:39
1,2,4-Trichlorobenzene	U		41	79	µg/Kg-dry	1	4/25/2014 05:39
1,2-Dibromo-3-chloropropane	U		39	79	µg/Kg-dry	1	4/25/2014 05:39
1,2-Dibromoethane	U		31	79	µg/Kg-dry	1	4/25/2014 05:39
1,2-Dichlorobenzene	U		32	79	µg/Kg-dry	1	4/25/2014 05:39
1,2-Dichloroethane	U		38	79	µg/Kg-dry	1	4/25/2014 05:39
1,2-Dichloropropane	U		26	79	µg/Kg-dry	1	4/25/2014 05:39
1,3-Dichlorobenzene	U		32	79	µg/Kg-dry	1	4/25/2014 05:39
1,4-Dichlorobenzene	U		30	79	µg/Kg-dry	1	4/25/2014 05:39
2-Butanone	U		200	530	µg/Kg-dry	1	4/25/2014 05:39
2-Hexanone	U		19	79	µg/Kg-dry	1	4/25/2014 05:39
4-Methyl-2-pentanone	U		27	79	µg/Kg-dry	1	4/25/2014 05:39
Acetone	U		170	260	µg/Kg-dry	1	4/25/2014 05:39
Benzene	U		32	79	µg/Kg-dry	1	4/25/2014 05:39
Bromodichloromethane	U		18	79	µg/Kg-dry	1	4/25/2014 05:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-007
Collection Date: 4/14/2014 10:27 AM

Work Order: 1404759
Lab ID: 1404759-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		16	79	µg/Kg-dry	1	4/25/2014 05:39
Bromomethane	U		30	200	µg/Kg-dry	1	4/25/2014 05:39
Carbon disulfide	U		39	79	µg/Kg-dry	1	4/25/2014 05:39
Carbon tetrachloride	U		22	79	µg/Kg-dry	1	4/25/2014 05:39
Chlorobenzene	U		32	79	µg/Kg-dry	1	4/25/2014 05:39
Chloroethane	U		170	260	µg/Kg-dry	1	4/25/2014 05:39
Chloroform	U		33	79	µg/Kg-dry	1	4/25/2014 05:39
Chloromethane	U		44	260	µg/Kg-dry	1	4/25/2014 05:39
cis-1,2-Dichloroethene	U		32	79	µg/Kg-dry	1	4/25/2014 05:39
cis-1,3-Dichloropropene	U		27	79	µg/Kg-dry	1	4/25/2014 05:39
Cyclohexane	**220**		**36**	**79**	**µg/Kg-dry**	1	4/25/2014 05:39
Dibromochloromethane	U		15	79	µg/Kg-dry	1	4/25/2014 05:39
Dichlorodifluoromethane	U		36	79	µg/Kg-dry	1	4/25/2014 05:39
Ethylbenzene	**69**	J	**29**	**79**	**µg/Kg-dry**	1	4/25/2014 05:39
Isopropylbenzene	**61**	J	**34**	**79**	**µg/Kg-dry**	1	4/25/2014 05:39
Methyl acetate	**710**		**110**	**530**	**µg/Kg-dry**	1	4/25/2014 05:39
Methyl tert-butyl ether	U		33	79	µg/Kg-dry	1	4/25/2014 05:39
Methylcyclohexane	**1,200**		**37**	**79**	**µg/Kg-dry**	1	4/25/2014 05:39
Methylene chloride	U		31	79	µg/Kg-dry	1	4/25/2014 05:39
Styrene	U		29	79	µg/Kg-dry	1	4/25/2014 05:39
Tetrachloroethene	U		35	79	µg/Kg-dry	1	4/25/2014 05:39
Toluene	**200**		**30**	**79**	**µg/Kg-dry**	1	4/25/2014 05:39
trans-1,2-Dichloroethene	U		24	79	µg/Kg-dry	1	4/25/2014 05:39
trans-1,3-Dichloropropene	U		26	79	µg/Kg-dry	1	4/25/2014 05:39
Trichloroethene	U		37	79	µg/Kg-dry	1	4/25/2014 05:39
Trichlorofluoromethane	U		22	79	µg/Kg-dry	1	4/25/2014 05:39
Vinyl chloride	U		36	79	µg/Kg-dry	1	4/25/2014 05:39
Xylenes, Total	**680**		**93**	**240**	**µg/Kg-dry**	1	4/25/2014 05:39
Surr: 1,2-Dichloroethane-d4	*93.6*			*70-130*	*%REC*	1	4/25/2014 05:39
Surr: 4-Bromofluorobenzene	*92.6*			*70-130*	*%REC*	1	4/25/2014 05:39
Surr: Dibromofluoromethane	*98.4*			*70-130*	*%REC*	1	4/25/2014 05:39
Surr: Toluene-d8	*99.4*			*70-130*	*%REC*	1	4/25/2014 05:39
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**15**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-008
Collection Date: 4/14/2014 10:35 AM

Work Order: 1404759
Lab ID: 1404759-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		52	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1221	U		52	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1232	U		52	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1242	U		52	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1248	U		52	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1254	U		33	91	µg/Kg-dry	1	4/18/2014 06:54
Aroclor 1260	U		33	91	µg/Kg-dry	1	4/18/2014 06:54
Surr: Decachlorobiphenyl	*92.1*			*40-140*	*%REC*	1	4/18/2014 06:54
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0088**	J	**0.00080**	**0.040**	**mg/Kg-dry**	1	4/27/2014 20:59
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.14**	J	**0.0069**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Arsenic	**1.2**	J	**0.24**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Barium	**29**		**0.049**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Beryllium	**0.14**	J	**0.014**	**0.69**	**mg/Kg-dry**	5	4/26/2014 07:13
Cadmium	**0.60**	J	**0.0069**	**0.69**	**mg/Kg-dry**	5	4/26/2014 07:13
Chromium	**4.3**		**0.28**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Cobalt	**1.6**	J	**0.0069**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Copper	**3.4**		**0.34**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Iron	**4,700**		**5.8**	**28**	**mg/Kg-dry**	5	4/26/2014 07:13
Lead	**3.7**		**0.0069**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Manganese	**240**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Molybdenum	**0.28**	J	**0.076**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Nickel	**4.2**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Selenium	**0.55**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Silver	U		0.0069	1.7	mg/Kg-dry	5	4/26/2014 07:13
Thallium	**0.043**	J	**0.042**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Vanadium	**7.2**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:13
Zinc	**620**		**0.15**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:13
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **HL**
BatchID: 57777							
2-Methylnaphthalene	**41**		**2.9**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/22/2014 10:29
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/22/2014 10:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-008
Collection Date: 4/14/2014 10:35 AM

Work Order: 1404759
Lab ID: 1404759-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/22/2014 10:29
Benzo(a)anthracene	**25**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Benzo(a)pyrene	U		2.3	7.1	µg/Kg-dry	1	4/22/2014 10:29
Benzo(b)fluoranthene	**23**		**2.1**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Benzo(g,h,i)perylene	U		2.8	7.1	µg/Kg-dry	1	4/22/2014 10:29
Benzo(k)fluoranthene	U		1.5	7.1	µg/Kg-dry	1	4/22/2014 10:29
Chrysene	**21**		**1.7**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Dibenzo(a,h)anthracene	U		2.6	7.1	µg/Kg-dry	1	4/22/2014 10:29
Fluoranthene	U		2.5	7.1	µg/Kg-dry	1	4/22/2014 10:29
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/22/2014 10:29
Indeno(1,2,3-cd)pyrene	U		2.4	7.1	µg/Kg-dry	1	4/22/2014 10:29
Naphthalene	**46**		**2.6**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Phenanthrene	**50**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 10:29
Pyrene	U		2.4	7.1	µg/Kg-dry	1	4/22/2014 10:29
Surr: 2-Fluorobiphenyl	*87.2*			*12-100*	*%REC*	1	4/22/2014 10:29
Surr: 4-Terphenyl-d14	*130*			*25-137*	*%REC*	1	4/22/2014 10:29
Surr: Nitrobenzene-d5	*64.2*			*37-107*	*%REC*	1	4/22/2014 10:29
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/25/2014 06:04
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 06:04
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 06:04
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 06:04
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
1,2-Dichloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 06:04
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
2-Butanone	U		81	220	µg/Kg-dry	1	4/25/2014 06:04
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/25/2014 06:04
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 06:04
Acetone	U		69	110	µg/Kg-dry	1	4/25/2014 06:04
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/25/2014 06:04

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-008
Collection Date: 4/14/2014 10:35 AM

Work Order: 1404759
Lab ID: 1404759-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/25/2014 06:04
Bromomethane	U		13	82	µg/Kg-dry	1	4/25/2014 06:04
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 06:04
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/25/2014 06:04
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
Chloroethane	U		69	110	µg/Kg-dry	1	4/25/2014 06:04
Chloroform	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 06:04
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 06:04
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/25/2014 06:04
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 06:04
Methyl acetate	**560**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 06:04
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 06:04
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 06:04
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 06:04
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 06:04
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 06:04
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/25/2014 06:04
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 06:04
Xylenes, Total	U		39	98	µg/Kg-dry	1	4/25/2014 06:04
Surr: 1,2-Dichloroethane-d4	*93.9*			*70-130*	*%REC*	1	4/25/2014 06:04
Surr: 4-Bromofluorobenzene	*91.2*			*70-130*	*%REC*	1	4/25/2014 06:04
Surr: Dibromofluoromethane	*97.7*			*70-130*	*%REC*	1	4/25/2014 06:04
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/25/2014 06:04
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**8.2**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-009
Collection Date: 4/14/2014 10:40 AM

Work Order: 1404759
Lab ID: 1404759-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		79	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1221	U		79	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1232	U		79	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1242	U		79	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1248	U		79	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1254	U		51	140	µg/Kg-dry	1	4/18/2014 07:10
Aroclor 1260	U		51	140	µg/Kg-dry	1	4/18/2014 07:10
Surr: Decachlorobiphenyl	*98.1*			*40-140*	*%REC*	1	4/18/2014 07:10
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0046**	J	**0.0011**	**0.056**	**mg/Kg-dry**	1	4/27/2014 21:02
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.099**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Arsenic	**3.0**	J	**0.47**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Barium	**250**		**0.097**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Beryllium	U		0.028	1.4	mg/Kg-dry	5	4/26/2014 07:18
Cadmium	**0.097**	J	**0.014**	**1.4**	**mg/Kg-dry**	5	4/26/2014 07:18
Chromium	**2.3**	J	**0.57**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Cobalt	**1.2**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Copper	**4.0**		**0.68**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Iron	**4,400**		**12**	**55**	**mg/Kg-dry**	5	4/26/2014 07:18
Manganese	**150**		**0.30**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Molybdenum	**2.4**	J	**0.15**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Nickel	**4.9**		**0.35**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Selenium	**0.78**	J	**0.44**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Silver	U		0.014	3.5	mg/Kg-dry	5	4/26/2014 07:18
Vanadium	**3.9**		**0.21**	**3.5**	**mg/Kg-dry**	5	4/26/2014 07:18
Zinc	**8.2**		**0.29**	**6.9**	**mg/Kg-dry**	5	4/26/2014 07:18
BatchID: 57824							
Lead	**1.1**	J	**0.069**	**17**	**mg/Kg-dry**	25	4/26/2014 18:01
Thallium	U		0.42	17	mg/Kg-dry	25	4/26/2014 18:01
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57780							
2-Methylnaphthalene	U		4.8	12	µg/Kg-dry	1	4/21/2014 18:05
Acenaphthene	U		1.7	12	µg/Kg-dry	1	4/21/2014 18:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-009
Collection Date: 4/14/2014 10:40 AM

Work Order: 1404759
Lab ID: 1404759-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.1	12	µg/Kg-dry	1	4/21/2014 18:05
Anthracene	U		2.3	12	µg/Kg-dry	1	4/21/2014 18:05
Benzo(a)anthracene	U		2.3	12	µg/Kg-dry	1	4/21/2014 18:05
Benzo(a)pyrene	U		3.7	12	µg/Kg-dry	1	4/21/2014 18:05
Benzo(b)fluoranthene	U		3.4	12	µg/Kg-dry	1	4/21/2014 18:05
Benzo(g,h,i)perylene	U		4.5	12	µg/Kg-dry	1	4/21/2014 18:05
Benzo(k)fluoranthene	U		2.4	12	µg/Kg-dry	1	4/21/2014 18:05
Chrysene	U		2.7	12	µg/Kg-dry	1	4/21/2014 18:05
Dibenzo(a,h)anthracene	U		4.3	12	µg/Kg-dry	1	4/21/2014 18:05
Fluoranthene	U		4.0	12	µg/Kg-dry	1	4/21/2014 18:05
Fluorene	U		3.9	12	µg/Kg-dry	1	4/21/2014 18:05
Indeno(1,2,3-cd)pyrene	U		3.8	12	µg/Kg-dry	1	4/21/2014 18:05
Naphthalene	U		4.2	12	µg/Kg-dry	1	4/21/2014 18:05
Phenanthrene	U		2.3	12	µg/Kg-dry	1	4/21/2014 18:05
Pyrene	U		3.9	12	µg/Kg-dry	1	4/21/2014 18:05
Surr: 2-Fluorobiphenyl	*68.5*			*12-100*	*%REC*	1	4/21/2014 18:05
Surr: 4-Terphenyl-d14	*97.6*			*25-137*	*%REC*	1	4/21/2014 18:05
Surr: Nitrobenzene-d5	*51.9*			*37-107*	*%REC*	1	4/21/2014 18:05
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
1,1,2,2-Tetrachloroethane	U		29	67	µg/Kg-dry	1	4/25/2014 06:29
1,1,2-Trichloroethane	U		24	67	µg/Kg-dry	1	4/25/2014 06:29
1,1,2-Trichlorotrifluoroethane	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
1,1-Dichloroethane	U		24	67	µg/Kg-dry	1	4/25/2014 06:29
1,1-Dichloroethene	U		28	67	µg/Kg-dry	1	4/25/2014 06:29
1,2,4-Trichlorobenzene	U		34	67	µg/Kg-dry	1	4/25/2014 06:29
1,2-Dibromo-3-chloropropane	U		32	67	µg/Kg-dry	1	4/25/2014 06:29
1,2-Dibromoethane	U		26	67	µg/Kg-dry	1	4/25/2014 06:29
1,2-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 06:29
1,2-Dichloroethane	U		32	67	µg/Kg-dry	1	4/25/2014 06:29
1,2-Dichloropropane	U		22	67	µg/Kg-dry	1	4/25/2014 06:29
1,3-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 06:29
1,4-Dichlorobenzene	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
2-Butanone	U		160	440	µg/Kg-dry	1	4/25/2014 06:29
2-Hexanone	U		16	67	µg/Kg-dry	1	4/25/2014 06:29
4-Methyl-2-pentanone	U		22	67	µg/Kg-dry	1	4/25/2014 06:29
Acetone	U		140	220	µg/Kg-dry	1	4/25/2014 06:29
Benzene	U		27	67	µg/Kg-dry	1	4/25/2014 06:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-009
Collection Date: 4/14/2014 10:40 AM

Work Order: 1404759
Lab ID: 1404759-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		15	67	µg/Kg-dry	1	4/25/2014 06:29
Bromoform	U		13	67	µg/Kg-dry	1	4/25/2014 06:29
Bromomethane	U		25	170	µg/Kg-dry	1	4/25/2014 06:29
Carbon disulfide	U		33	67	µg/Kg-dry	1	4/25/2014 06:29
Carbon tetrachloride	U		19	67	µg/Kg-dry	1	4/25/2014 06:29
Chlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 06:29
Chloroethane	U		140	220	µg/Kg-dry	1	4/25/2014 06:29
Chloroform	U		27	67	µg/Kg-dry	1	4/25/2014 06:29
Chloromethane	U		37	220	µg/Kg-dry	1	4/25/2014 06:29
cis-1,2-Dichloroethene	U		27	67	µg/Kg-dry	1	4/25/2014 06:29
cis-1,3-Dichloropropene	U		23	67	µg/Kg-dry	1	4/25/2014 06:29
Cyclohexane	U		30	67	µg/Kg-dry	1	4/25/2014 06:29
Dibromochloromethane	U		12	67	µg/Kg-dry	1	4/25/2014 06:29
Dichlorodifluoromethane	U		30	67	µg/Kg-dry	1	4/25/2014 06:29
Ethylbenzene	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
Isopropylbenzene	U		29	67	µg/Kg-dry	1	4/25/2014 06:29
Methyl acetate	**330**	J	**89**	**440**	**µg/Kg-dry**	1	4/25/2014 06:29
Methyl tert-butyl ether	U		28	67	µg/Kg-dry	1	4/25/2014 06:29
Methylcyclohexane	U		31	67	µg/Kg-dry	1	4/25/2014 06:29
Methylene chloride	U		26	67	µg/Kg-dry	1	4/25/2014 06:29
Styrene	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
Tetrachloroethene	U		30	67	µg/Kg-dry	1	4/25/2014 06:29
Toluene	U		25	67	µg/Kg-dry	1	4/25/2014 06:29
trans-1,2-Dichloroethene	U		20	67	µg/Kg-dry	1	4/25/2014 06:29
trans-1,3-Dichloropropene	U		22	67	µg/Kg-dry	1	4/25/2014 06:29
Trichloroethene	U		31	67	µg/Kg-dry	1	4/25/2014 06:29
Trichlorofluoromethane	U		18	67	µg/Kg-dry	1	4/25/2014 06:29
Vinyl chloride	U		30	67	µg/Kg-dry	1	4/25/2014 06:29
Xylenes, Total	U		79	200	µg/Kg-dry	1	4/25/2014 06:29
Surr: 1,2-Dichloroethane-d4	*94.0*			*70-130*	*%REC*	1	4/25/2014 06:29
Surr: 4-Bromofluorobenzene	*88.0*			*70-130*	*%REC*	1	4/25/2014 06:29
Surr: Dibromofluoromethane	*97.1*			*70-130*	*%REC*	1	4/25/2014 06:29
Surr: Toluene-d8	*98.3*			*70-130*	*%REC*	1	4/25/2014 06:29
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**42**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-010
Collection Date: 4/14/2014 10:45 AM

Work Order: 1404759
Lab ID: 1404759-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		49	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1221	U		49	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1232	U		49	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1242	U		49	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1248	U		49	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1254	U		32	87	µg/Kg-dry	1	4/18/2014 07:26
Aroclor 1260	U		32	87	µg/Kg-dry	1	4/18/2014 07:26
Surr: Decachlorobiphenyl	*99.1*			*40-140*	*%REC*	1	4/18/2014 07:26
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.0026**	J	**0.00088**	**0.044**	**mg/Kg-dry**	1	4/27/2014 21:04
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.095**	J	**0.0068**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Arsenic	**1.1**	J	**0.23**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Barium	**21**		**0.048**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Beryllium	**0.15**	J	**0.014**	**0.68**	**mg/Kg-dry**	5	4/26/2014 07:24
Cadmium	**0.034**	J	**0.0068**	**0.68**	**mg/Kg-dry**	5	4/26/2014 07:24
Chromium	**14**		**0.28**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Cobalt	**2.9**		**0.0068**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Copper	**6.1**		**0.33**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Iron	**6,500**		**5.7**	**27**	**mg/Kg-dry**	5	4/26/2014 07:24
Lead	**3.0**		**0.0068**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Manganese	**68**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Molybdenum	**0.33**	J	**0.075**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Nickel	**9.6**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Selenium	**0.87**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Silver	**0.0092**	J	**0.0068**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Thallium	**0.073**	J	**0.041**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Vanadium	**11**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/26/2014 07:24
Zinc	**14**		**0.14**	**3.4**	**mg/Kg-dry**	5	4/26/2014 07:24
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57780							
2-Methylnaphthalene	U		3.0	7.1	µg/Kg-dry	1	4/21/2014 18:25
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/21/2014 18:25
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/21/2014 18:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-010
Collection Date: 4/14/2014 10:45 AM

Work Order: 1404759
Lab ID: 1404759-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Benzo(a)anthracene	U		1.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Benzo(a)pyrene	U		2.3	7.1	µg/Kg-dry	1	4/21/2014 18:25
Benzo(b)fluoranthene	U		2.1	7.1	µg/Kg-dry	1	4/21/2014 18:25
Benzo(g,h,i)perylene	U		2.8	7.1	µg/Kg-dry	1	4/21/2014 18:25
Benzo(k)fluoranthene	U		1.5	7.1	µg/Kg-dry	1	4/21/2014 18:25
Chrysene	U		1.7	7.1	µg/Kg-dry	1	4/21/2014 18:25
Dibenzo(a,h)anthracene	U		2.7	7.1	µg/Kg-dry	1	4/21/2014 18:25
Fluoranthene	U		2.5	7.1	µg/Kg-dry	1	4/21/2014 18:25
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Indeno(1,2,3-cd)pyrene	U		2.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Naphthalene	U		2.6	7.1	µg/Kg-dry	1	4/21/2014 18:25
Phenanthrene	U		1.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Pyrene	U		2.4	7.1	µg/Kg-dry	1	4/21/2014 18:25
Surr: 2-Fluorobiphenyl	*69.7*			*12-100*	*%REC*	1	4/21/2014 18:25
Surr: 4-Terphenyl-d14	*97.1*			*25-137*	*%REC*	1	4/21/2014 18:25
Surr: Nitrobenzene-d5	*65.3*			*37-107*	*%REC*	1	4/21/2014 18:25
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/25/2014 06:54
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 06:54
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 06:54
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 06:54
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
1,2-Dichloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 06:54
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
2-Butanone	U		81	220	µg/Kg-dry	1	4/25/2014 06:54
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/25/2014 06:54
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 06:54
Acetone	U		69	110	µg/Kg-dry	1	4/25/2014 06:54
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/25/2014 06:54

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-010
Collection Date: 4/14/2014 10:45 AM

Work Order: 1404759
Lab ID: 1404759-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/25/2014 06:54
Bromomethane	U		12	81	µg/Kg-dry	1	4/25/2014 06:54
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 06:54
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/25/2014 06:54
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
Chloroethane	U		69	110	µg/Kg-dry	1	4/25/2014 06:54
Chloroform	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 06:54
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 06:54
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/25/2014 06:54
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 06:54
Methyl acetate	**98**	J	**44**	**220**	**µg/Kg-dry**	1	4/25/2014 06:54
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 06:54
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 06:54
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 06:54
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 06:54
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 06:54
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/25/2014 06:54
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 06:54
Xylenes, Total	U		39	98	µg/Kg-dry	1	4/25/2014 06:54
Surr: 1,2-Dichloroethane-d4	*94.9*			*70-130*	*%REC*	1	4/25/2014 06:54
Surr: 4-Bromofluorobenzene	*89.0*			*70-130*	*%REC*	1	4/25/2014 06:54
Surr: Dibromofluoromethane	*96.0*			*70-130*	*%REC*	1	4/25/2014 06:54
Surr: Toluene-d8	*97.8*			*70-130*	*%REC*	1	4/25/2014 06:54
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139101							
Moisture	**8.0**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-011
Collection Date: 4/14/2014 10:55 AM

Work Order: 1404759
Lab ID: 1404759-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		59	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1221	U		59	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1232	U		59	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1242	U		59	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1248	U		59	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1254	U		38	100	µg/Kg-dry	1	4/18/2014 07:58
Aroclor 1260	**200**		**38**	**100**	**µg/Kg-dry**	1	4/18/2014 07:58
Surr: Decachlorobiphenyl	*92.1*			*40-140*	*%REC*	1	4/18/2014 07:58
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.19**		**0.00096**	**0.048**	**mg/Kg-dry**	1	4/27/2014 21:07
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**13**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Arsenic	**19**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Barium	**89**		**0.060**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Beryllium	**1.1**		**0.017**	**0.85**	**mg/Kg-dry**	5	4/26/2014 07:48
Cadmium	**4.4**		**0.0085**	**0.85**	**mg/Kg-dry**	5	4/26/2014 07:48
Chromium	**41**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Cobalt	**13**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Copper	**200**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Lead	**270**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Manganese	**500**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Molybdenum	**5.6**		**0.094**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Nickel	**56**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Selenium	**2.8**		**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Silver	**0.12**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Thallium	**0.30**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Vanadium	**21**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 07:48
Zinc	**150**		**0.18**	**4.3**	**mg/Kg-dry**	5	4/26/2014 07:48
BatchID: 57824							
Iron	**91,000**		**71**	**340**	**mg/Kg-dry**	50	4/26/2014 19:40
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57780							
2-Methylnaphthalene	**1,800**		**3.4**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Acenaphthene	**56**		**1.2**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-011
Collection Date: 4/14/2014 10:55 AM

Work Order: 1404759
Lab ID: 1404759-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	**180**		**1.5**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Anthracene	**330**		**1.6**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Benzo(a)anthracene	**560**		**1.6**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Benzo(a)pyrene	**630**		**2.7**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Benzo(b)fluoranthene	**1,200**		**2.4**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Benzo(g,h,i)perylene	**570**		**3.2**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Benzo(k)fluoranthene	**360**		**1.7**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Chrysene	**850**		**2.0**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Dibenzo(a,h)anthracene	**200**		**3.1**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Fluoranthene	**1,300**		**2.9**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Fluorene	**79**		**2.8**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Indeno(1,2,3-cd)pyrene	**630**		**2.7**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Naphthalene	**1,400**		**3.0**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Phenanthrene	**2,000**		**1.6**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Pyrene	**930**		**2.8**	**8.2**	**µg/Kg-dry**	1	4/21/2014 18:45
Surr: 2-Fluorobiphenyl	*74.0*			*12-100*	*%REC*	1	4/21/2014 18:45
Surr: 4-Terphenyl-d14	*74.0*			*25-137*	*%REC*	1	4/21/2014 18:45
Surr: Nitrobenzene-d5	*64.1*			*37-107*	*%REC*	1	4/21/2014 18:45
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		25	65	µg/Kg-dry	1	4/25/2014 07:20
1,1,2,2-Tetrachloroethane	U		29	65	µg/Kg-dry	1	4/25/2014 07:20
1,1,2-Trichloroethane	U		23	65	µg/Kg-dry	1	4/25/2014 07:20
1,1,2-Trichlorotrifluoroethane	U		24	65	µg/Kg-dry	1	4/25/2014 07:20
1,1-Dichloroethane	U		24	65	µg/Kg-dry	1	4/25/2014 07:20
1,1-Dichloroethene	U		27	65	µg/Kg-dry	1	4/25/2014 07:20
1,2,4-Trichlorobenzene	U		34	65	µg/Kg-dry	1	4/25/2014 07:20
1,2-Dibromo-3-chloropropane	U		32	65	µg/Kg-dry	1	4/25/2014 07:20
1,2-Dibromoethane	U		26	65	µg/Kg-dry	1	4/25/2014 07:20
1,2-Dichlorobenzene	U		26	65	µg/Kg-dry	1	4/25/2014 07:20
1,2-Dichloroethane	U		31	65	µg/Kg-dry	1	4/25/2014 07:20
1,2-Dichloropropane	U		22	65	µg/Kg-dry	1	4/25/2014 07:20
1,3-Dichlorobenzene	U		26	65	µg/Kg-dry	1	4/25/2014 07:20
1,4-Dichlorobenzene	U		25	65	µg/Kg-dry	1	4/25/2014 07:20
2-Butanone	**270**	J	**160**	**430**	**µg/Kg-dry**	1	4/25/2014 07:20
2-Hexanone	U		16	65	µg/Kg-dry	1	4/25/2014 07:20
4-Methyl-2-pentanone	U		22	65	µg/Kg-dry	1	4/25/2014 07:20
Acetone	**950**		**140**	**220**	**µg/Kg-dry**	1	4/25/2014 07:20
Benzene	**120**		**26**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-011
Collection Date: 4/14/2014 10:55 AM

Work Order: 1404759
Lab ID: 1404759-11
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		15	65	µg/Kg-dry	1	4/25/2014 07:20
Bromoform	U		13	65	µg/Kg-dry	1	4/25/2014 07:20
Bromomethane	U		25	160	µg/Kg-dry	1	4/25/2014 07:20
Carbon disulfide	U		32	65	µg/Kg-dry	1	4/25/2014 07:20
Carbon tetrachloride	U		19	65	µg/Kg-dry	1	4/25/2014 07:20
Chlorobenzene	U		27	65	µg/Kg-dry	1	4/25/2014 07:20
Chloroethane	U		140	220	µg/Kg-dry	1	4/25/2014 07:20
Chloroform	U		27	65	µg/Kg-dry	1	4/25/2014 07:20
Chloromethane	U		36	220	µg/Kg-dry	1	4/25/2014 07:20
cis-1,2-Dichloroethene	U		26	65	µg/Kg-dry	1	4/25/2014 07:20
cis-1,3-Dichloropropene	U		22	65	µg/Kg-dry	1	4/25/2014 07:20
Cyclohexane	**540**		**29**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20
Dibromochloromethane	U		12	65	µg/Kg-dry	1	4/25/2014 07:20
Dichlorodifluoromethane	U		29	65	µg/Kg-dry	1	4/25/2014 07:20
Ethylbenzene	**130**		**24**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20
Isopropylbenzene	**86**		**28**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20
Methyl acetate	**880**		**87**	**430**	**µg/Kg-dry**	1	4/25/2014 07:20
Methyl tert-butyl ether	U		28	65	µg/Kg-dry	1	4/25/2014 07:20
Methylcyclohexane	**2,000**		**30**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20
Methylene chloride	U		26	65	µg/Kg-dry	1	4/25/2014 07:20
Styrene	U		24	65	µg/Kg-dry	1	4/25/2014 07:20
Tetrachloroethene	U		29	65	µg/Kg-dry	1	4/25/2014 07:20
Toluene	**890**		**24**	**65**	**µg/Kg-dry**	1	4/25/2014 07:20
trans-1,2-Dichloroethene	U		20	65	µg/Kg-dry	1	4/25/2014 07:20
trans-1,3-Dichloropropene	U		22	65	µg/Kg-dry	1	4/25/2014 07:20
Trichloroethene	U		30	65	µg/Kg-dry	1	4/25/2014 07:20
Trichlorofluoromethane	U		18	65	µg/Kg-dry	1	4/25/2014 07:20
Vinyl chloride	U		29	65	µg/Kg-dry	1	4/25/2014 07:20
Xylenes, Total	**1,400**		**77**	**200**	**µg/Kg-dry**	1	4/25/2014 07:20
Surr: 1,2-Dichloroethane-d4	*93.6*			*70-130*	*%REC*	1	4/25/2014 07:20
Surr: 4-Bromofluorobenzene	*92.4*			*70-130*	*%REC*	1	4/25/2014 07:20
Surr: Dibromofluoromethane	*96.5*			*70-130*	*%REC*	1	4/25/2014 07:20
Surr: Toluene-d8	*98.7*			*70-130*	*%REC*	1	4/25/2014 07:20
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-012
Collection Date: 4/14/2014 10:57 AM

Work Order: 1404759
Lab ID: 1404759-12
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		53	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1221	U		53	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1232	U		53	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1242	U		53	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1248	U		53	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1254	U		34	93	µg/Kg-dry	1	4/18/2014 08:15
Aroclor 1260	U		34	93	µg/Kg-dry	1	4/18/2014 08:15
Surr: Decachlorobiphenyl	*89.1*			*40-140*	*%REC*	1	4/18/2014 08:15
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.018**	J	**0.00097**	**0.048**	**mg/Kg-dry**	1	4/27/2014 21:09
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**4.5**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Arsenic	**11**		**0.27**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Barium	**39**		**0.055**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Beryllium	**0.65**	J	**0.016**	**0.79**	**mg/Kg-dry**	5	4/26/2014 07:53
Cadmium	**1.3**		**0.0079**	**0.79**	**mg/Kg-dry**	5	4/26/2014 07:53
Chromium	**7.8**		**0.32**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Cobalt	**4.6**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Copper	**41**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Iron	**34,000**		**6.6**	**32**	**mg/Kg-dry**	5	4/26/2014 07:53
Lead	**130**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Manganese	**59**		**0.17**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Molybdenum	**2.7**		**0.087**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Nickel	**12**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Selenium	**1.5**	J	**0.25**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Silver	**0.022**	J	**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Thallium	**0.23**	J	**0.047**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Vanadium	**14**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/26/2014 07:53
Zinc	**16**		**0.17**	**3.9**	**mg/Kg-dry**	5	4/26/2014 07:53
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/19/14		Analyst: **RM**
BatchID: 57780							
2-Methylnaphthalene	**1,200**		**3.2**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Acenaphthene	U		1.2	7.7	µg/Kg-dry	1	4/21/2014 19:06
Acenaphthylene	U		1.4	7.7	µg/Kg-dry	1	4/21/2014 19:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-012
Collection Date: 4/14/2014 10:57 AM

Work Order: 1404759
Lab ID: 1404759-12
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**66**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Benzo(a)anthracene	**91**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Benzo(a)pyrene	**94**		**2.5**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Benzo(b)fluoranthene	**100**		**2.3**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Benzo(g,h,i)perylene	**59**		**3.0**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Benzo(k)fluoranthene	**40**		**1.6**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Chrysene	**130**		**1.8**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Dibenzo(a,h)anthracene	U		2.9	7.7	µg/Kg-dry	1	4/21/2014 19:06
Fluoranthene	**110**		**2.7**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Fluorene	U		2.6	7.7	µg/Kg-dry	1	4/21/2014 19:06
Indeno(1,2,3-cd)pyrene	**74**		**2.6**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Naphthalene	**960**		**2.8**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Phenanthrene	**520**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Pyrene	**110**		**2.6**	**7.7**	**µg/Kg-dry**	1	4/21/2014 19:06
Surr: 2-Fluorobiphenyl	*72.3*			*12-100*	*%REC*	1	4/21/2014 19:06
Surr: 4-Terphenyl-d14	*83.3*			*25-137*	*%REC*	1	4/21/2014 19:06
Surr: Nitrobenzene-d5	*63.4*			*37-107*	*%REC*	1	4/21/2014 19:06
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		21	55	µg/Kg-dry	1	4/25/2014 07:45
1,1,2,2-Tetrachloroethane	U		24	55	µg/Kg-dry	1	4/25/2014 07:45
1,1,2-Trichloroethane	U		19	55	µg/Kg-dry	1	4/25/2014 07:45
1,1,2-Trichlorotrifluoroethane	U		20	55	µg/Kg-dry	1	4/25/2014 07:45
1,1-Dichloroethane	U		20	55	µg/Kg-dry	1	4/25/2014 07:45
1,1-Dichloroethene	U		23	55	µg/Kg-dry	1	4/25/2014 07:45
1,2,4-Trichlorobenzene	U		28	55	µg/Kg-dry	1	4/25/2014 07:45
1,2-Dibromo-3-chloropropane	U		27	55	µg/Kg-dry	1	4/25/2014 07:45
1,2-Dibromoethane	U		22	55	µg/Kg-dry	1	4/25/2014 07:45
1,2-Dichlorobenzene	U		22	55	µg/Kg-dry	1	4/25/2014 07:45
1,2-Dichloroethane	U		26	55	µg/Kg-dry	1	4/25/2014 07:45
1,2-Dichloropropane	U		18	55	µg/Kg-dry	1	4/25/2014 07:45
1,3-Dichlorobenzene	U		22	55	µg/Kg-dry	1	4/25/2014 07:45
1,4-Dichlorobenzene	U		21	55	µg/Kg-dry	1	4/25/2014 07:45
2-Butanone	U		140	360	µg/Kg-dry	1	4/25/2014 07:45
2-Hexanone	U		13	55	µg/Kg-dry	1	4/25/2014 07:45
4-Methyl-2-pentanone	U		18	55	µg/Kg-dry	1	4/25/2014 07:45
Acetone	**230**		**120**	**180**	**µg/Kg-dry**	1	4/25/2014 07:45
Benzene	**1,100**		**22**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
Bromodichloromethane	U		12	55	µg/Kg-dry	1	4/25/2014 07:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-012
Collection Date: 4/14/2014 10:57 AM

Work Order: 1404759
Lab ID: 1404759-12
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		11	55	µg/Kg-dry	1	4/25/2014 07:45
Bromomethane	U		21	140	µg/Kg-dry	1	4/25/2014 07:45
Carbon disulfide	U		27	55	µg/Kg-dry	1	4/25/2014 07:45
Carbon tetrachloride	U		16	55	µg/Kg-dry	1	4/25/2014 07:45
Chlorobenzene	U		22	55	µg/Kg-dry	1	4/25/2014 07:45
Chloroethane	U		120	180	µg/Kg-dry	1	4/25/2014 07:45
Chloroform	U		23	55	µg/Kg-dry	1	4/25/2014 07:45
Chloromethane	U		30	180	µg/Kg-dry	1	4/25/2014 07:45
cis-1,2-Dichloroethene	U		22	55	µg/Kg-dry	1	4/25/2014 07:45
cis-1,3-Dichloropropene	U		19	55	µg/Kg-dry	1	4/25/2014 07:45
Cyclohexane	**840**		**25**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
Dibromochloromethane	U		10	55	µg/Kg-dry	1	4/25/2014 07:45
Dichlorodifluoromethane	U		25	55	µg/Kg-dry	1	4/25/2014 07:45
Ethylbenzene	**620**		**20**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
Isopropylbenzene	**390**		**24**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
Methyl acetate	**340**	J	**73**	**360**	**µg/Kg-dry**	1	4/25/2014 07:45
Methyl tert-butyl ether	U		23	55	µg/Kg-dry	1	4/25/2014 07:45
Methylcyclohexane	**3,000**		**25**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
Methylene chloride	U		21	55	µg/Kg-dry	1	4/25/2014 07:45
Styrene	U		20	55	µg/Kg-dry	1	4/25/2014 07:45
Tetrachloroethene	U		24	55	µg/Kg-dry	1	4/25/2014 07:45
Toluene	**3,300**		**21**	**55**	**µg/Kg-dry**	1	4/25/2014 07:45
trans-1,2-Dichloroethene	U		17	55	µg/Kg-dry	1	4/25/2014 07:45
trans-1,3-Dichloropropene	U		18	55	µg/Kg-dry	1	4/25/2014 07:45
Trichloroethene	U		26	55	µg/Kg-dry	1	4/25/2014 07:45
Trichlorofluoromethane	U		15	55	µg/Kg-dry	1	4/25/2014 07:45
Vinyl chloride	U		25	55	µg/Kg-dry	1	4/25/2014 07:45
Xylenes, Total	**3,200**		**65**	**160**	**µg/Kg-dry**	1	4/25/2014 07:45
Surr: 1,2-Dichloroethane-d4	*92.8*			*70-130*	*%REC*	1	4/25/2014 07:45
Surr: 4-Bromofluorobenzene	*91.0*			*70-130*	*%REC*	1	4/25/2014 07:45
Surr: Dibromofluoromethane	*95.5*			*70-130*	*%REC*	1	4/25/2014 07:45
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	4/25/2014 07:45
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**15**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-013
Collection Date: 4/14/2014 11:05 AM

Work Order: 1404759
Lab ID: 1404759-13
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/17/14		Analyst: **JD**
BatchID: 57648							
Aroclor 1016	U		54	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1221	U		54	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1232	U		54	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1242	U		54	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1248	U		54	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1254	U		35	94	µg/Kg-dry	1	4/18/2014 08:31
Aroclor 1260	U		35	94	µg/Kg-dry	1	4/18/2014 08:31
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/18/2014 08:31
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 57966							
Mercury	**0.071**		**0.0010**	**0.050**	**mg/Kg-dry**	1	4/27/2014 21:11
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.81**	J	**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Arsenic	**10**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Barium	**32**		**0.063**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Beryllium	**0.38**	J	**0.018**	**0.90**	**mg/Kg-dry**	5	4/26/2014 07:59
Cadmium	**0.12**	J	**0.0090**	**0.90**	**mg/Kg-dry**	5	4/26/2014 07:59
Chromium	**6.4**		**0.37**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Cobalt	**2.7**		**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Copper	**20**		**0.44**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Iron	**31,000**		**7.5**	**36**	**mg/Kg-dry**	5	4/26/2014 07:59
Lead	**12**		**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Manganese	**26**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Molybdenum	**1.8**	J	**0.099**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Nickel	**7.2**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Selenium	**1.4**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Silver	**0.013**	J	**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Thallium	**0.30**	J	**0.054**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Vanadium	**13**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 07:59
Zinc	**5.1**		**0.19**	**4.5**	**mg/Kg-dry**	5	4/26/2014 07:59
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.2	7.7	µg/Kg-dry	1	4/23/2014 01:18
Acenaphthene	U		1.2	7.7	µg/Kg-dry	1	4/23/2014 01:18
Acenaphthylene	U		1.4	7.7	µg/Kg-dry	1	4/23/2014 01:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-013
Collection Date: 4/14/2014 11:05 AM

Work Order: 1404759
Lab ID: 1404759-13
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.5	7.7	µg/Kg-dry	1	4/23/2014 01:18
Benzo(a)anthracene	U		1.5	7.7	µg/Kg-dry	1	4/23/2014 01:18
Benzo(a)pyrene	U		2.5	7.7	µg/Kg-dry	1	4/23/2014 01:18
Benzo(b)fluoranthene	U		2.3	7.7	µg/Kg-dry	1	4/23/2014 01:18
Benzo(g,h,i)perylene	U		3.0	7.7	µg/Kg-dry	1	4/23/2014 01:18
Benzo(k)fluoranthene	U		1.6	7.7	µg/Kg-dry	1	4/23/2014 01:18
Chrysene	U		1.8	7.7	µg/Kg-dry	1	4/23/2014 01:18
Dibenzo(a,h)anthracene	U		2.9	7.7	µg/Kg-dry	1	4/23/2014 01:18
Fluoranthene	U		2.7	7.7	µg/Kg-dry	1	4/23/2014 01:18
Fluorene	U		2.6	7.7	µg/Kg-dry	1	4/23/2014 01:18
Indeno(1,2,3-cd)pyrene	U		2.6	7.7	µg/Kg-dry	1	4/23/2014 01:18
Naphthalene	**71**		**2.8**	**7.7**	**µg/Kg-dry**	1	4/23/2014 01:18
Phenanthrene	**69**		**1.5**	**7.7**	**µg/Kg-dry**	1	4/23/2014 01:18
Pyrene	U		2.6	7.7	µg/Kg-dry	1	4/23/2014 01:18
Surr: 2-Fluorobiphenyl	*59.9*			*12-100*	*%REC*	1	4/23/2014 01:18
Surr: 4-Terphenyl-d14	*81.2*			*25-137*	*%REC*	1	4/23/2014 01:18
Surr: Nitrobenzene-d5	*52.1*			*37-107*	*%REC*	1	4/23/2014 01:18
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		28	74	µg/Kg-dry	1	4/25/2014 08:10
1,1,2,2-Tetrachloroethane	U		33	74	µg/Kg-dry	1	4/25/2014 08:10
1,1,2-Trichloroethane	U		26	74	µg/Kg-dry	1	4/25/2014 08:10
1,1,2-Trichlorotrifluoroethane	U		28	74	µg/Kg-dry	1	4/25/2014 08:10
1,1-Dichloroethane	U		27	74	µg/Kg-dry	1	4/25/2014 08:10
1,1-Dichloroethene	U		31	74	µg/Kg-dry	1	4/25/2014 08:10
1,2,4-Trichlorobenzene	U		38	74	µg/Kg-dry	1	4/25/2014 08:10
1,2-Dibromo-3-chloropropane	U		36	74	µg/Kg-dry	1	4/25/2014 08:10
1,2-Dibromoethane	U		29	74	µg/Kg-dry	1	4/25/2014 08:10
1,2-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 08:10
1,2-Dichloroethane	U		35	74	µg/Kg-dry	1	4/25/2014 08:10
1,2-Dichloropropane	U		25	74	µg/Kg-dry	1	4/25/2014 08:10
1,3-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 08:10
1,4-Dichlorobenzene	U		28	74	µg/Kg-dry	1	4/25/2014 08:10
2-Butanone	U		180	500	µg/Kg-dry	1	4/25/2014 08:10
2-Hexanone	U		18	74	µg/Kg-dry	1	4/25/2014 08:10
4-Methyl-2-pentanone	U		25	74	µg/Kg-dry	1	4/25/2014 08:10
Acetone	U		160	250	µg/Kg-dry	1	4/25/2014 08:10
Benzene	**1,400**		**30**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
Bromodichloromethane	U		17	74	µg/Kg-dry	1	4/25/2014 08:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-013
Collection Date: 4/14/2014 11:05 AM

Work Order: 1404759
Lab ID: 1404759-13
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		15	74	µg/Kg-dry	1	4/25/2014 08:10
Bromomethane	U		28	190	µg/Kg-dry	1	4/25/2014 08:10
Carbon disulfide	U		37	74	µg/Kg-dry	1	4/25/2014 08:10
Carbon tetrachloride	U		21	74	µg/Kg-dry	1	4/25/2014 08:10
Chlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 08:10
Chloroethane	U		160	250	µg/Kg-dry	1	4/25/2014 08:10
Chloroform	U		31	74	µg/Kg-dry	1	4/25/2014 08:10
Chloromethane	U		41	250	µg/Kg-dry	1	4/25/2014 08:10
cis-1,2-Dichloroethene	U		30	74	µg/Kg-dry	1	4/25/2014 08:10
cis-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 08:10
Cyclohexane	**720**		**33**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
Dibromochloromethane	U		14	74	µg/Kg-dry	1	4/25/2014 08:10
Dichlorodifluoromethane	U		34	74	µg/Kg-dry	1	4/25/2014 08:10
Ethylbenzene	**670**		**28**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
Isopropylbenzene	**420**		**32**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
Methyl acetate	**520**		**100**	**500**	**µg/Kg-dry**	1	4/25/2014 08:10
Methyl tert-butyl ether	U		31	74	µg/Kg-dry	1	4/25/2014 08:10
Methylcyclohexane	**2,600**		**34**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
Methylene chloride	U		29	74	µg/Kg-dry	1	4/25/2014 08:10
Styrene	U		28	74	µg/Kg-dry	1	4/25/2014 08:10
Tetrachloroethene	U		33	74	µg/Kg-dry	1	4/25/2014 08:10
Toluene	**4,100**		**28**	**74**	**µg/Kg-dry**	1	4/25/2014 08:10
trans-1,2-Dichloroethene	U		23	74	µg/Kg-dry	1	4/25/2014 08:10
trans-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 08:10
Trichloroethene	U		35	74	µg/Kg-dry	1	4/25/2014 08:10
Trichlorofluoromethane	U		20	74	µg/Kg-dry	1	4/25/2014 08:10
Vinyl chloride	U		34	74	µg/Kg-dry	1	4/25/2014 08:10
Xylenes, Total	**3,500**		**88**	**220**	**µg/Kg-dry**	1	4/25/2014 08:10
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-130*	*%REC*	1	4/25/2014 08:10
Surr: 4-Bromofluorobenzene	*92.2*			*70-130*	*%REC*	1	4/25/2014 08:10
Surr: Dibromofluoromethane	*95.5*			*70-130*	*%REC*	1	4/25/2014 08:10
Surr: Toluene-d8	*98.9*			*70-130*	*%REC*	1	4/25/2014 08:10
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**15**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-014
Collection Date: 4/14/2014 11:07 AM

Work Order: 1404759
Lab ID: 1404759-14
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		82	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1221	U		82	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1232	U		82	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1242	U		82	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1248	U		82	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1254	U		53	140	µg/Kg-dry	1	4/18/2014 15:43
Aroclor 1260	U		53	140	µg/Kg-dry	1	4/18/2014 15:43
Surr: Decachlorobiphenyl	*82.1*			*40-140*	*%REC*	1	4/18/2014 15:43
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0021**	J	**0.0011**	**0.057**	**mg/Kg-dry**	1	4/28/2014 09:43
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.19**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Arsenic	**2.9**	J	**0.48**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Barium	**270**		**0.098**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Beryllium	**0.099**	J	**0.028**	**1.4**	**mg/Kg-dry**	5	4/26/2014 08:34
Cadmium	**0.17**	J	**0.014**	**1.4**	**mg/Kg-dry**	5	4/26/2014 08:34
Chromium	**2.5**	J	**0.57**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Cobalt	**1.5**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Copper	**4.2**		**0.68**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Iron	**5,500**		**12**	**56**	**mg/Kg-dry**	5	4/26/2014 08:34
Manganese	**170**		**0.31**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Molybdenum	**2.6**	J	**0.15**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Nickel	**4.9**		**0.35**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Selenium	**0.90**	J	**0.45**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Silver	**0.035**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Vanadium	**4.3**		**0.21**	**3.5**	**mg/Kg-dry**	5	4/26/2014 08:34
Zinc	**6.8**	J	**0.29**	**7.0**	**mg/Kg-dry**	5	4/26/2014 08:34
BatchID: 57824							
Lead	**1.0**	J	**0.070**	**17**	**mg/Kg-dry**	25	4/26/2014 19:51
Thallium	U		0.42	17	mg/Kg-dry	25	4/26/2014 19:51
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		4.9	12	µg/Kg-dry	1	4/23/2014 01:38
Acenaphthene	U		1.8	12	µg/Kg-dry	1	4/23/2014 01:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-014
Collection Date: 4/14/2014 11:07 AM

Work Order: 1404759
Lab ID: 1404759-14
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.1	12	µg/Kg-dry	1	4/23/2014 01:38
Anthracene	U		2.3	12	µg/Kg-dry	1	4/23/2014 01:38
Benzo(a)anthracene	U		2.3	12	µg/Kg-dry	1	4/23/2014 01:38
Benzo(a)pyrene	U		3.8	12	µg/Kg-dry	1	4/23/2014 01:38
Benzo(b)fluoranthene	U		3.4	12	µg/Kg-dry	1	4/23/2014 01:38
Benzo(g,h,i)perylene	U		4.6	12	µg/Kg-dry	1	4/23/2014 01:38
Benzo(k)fluoranthene	U		2.5	12	µg/Kg-dry	1	4/23/2014 01:38
Chrysene	U		2.8	12	µg/Kg-dry	1	4/23/2014 01:38
Dibenzo(a,h)anthracene	U		4.4	12	µg/Kg-dry	1	4/23/2014 01:38
Fluoranthene	U		4.1	12	µg/Kg-dry	1	4/23/2014 01:38
Fluorene	U		3.9	12	µg/Kg-dry	1	4/23/2014 01:38
Indeno(1,2,3-cd)pyrene	U		3.9	12	µg/Kg-dry	1	4/23/2014 01:38
Naphthalene	U		4.3	12	µg/Kg-dry	1	4/23/2014 01:38
Phenanthrene	U		2.3	12	µg/Kg-dry	1	4/23/2014 01:38
Pyrene	U		4.0	12	µg/Kg-dry	1	4/23/2014 01:38
Surr: 2-Fluorobiphenyl	*48.8*			*12-100*	*%REC*	1	4/23/2014 01:38
Surr: 4-Terphenyl-d14	*68.3*			*25-137*	*%REC*	1	4/23/2014 01:38
Surr: Nitrobenzene-d5	*43.5*			*37-107*	*%REC*	1	4/23/2014 01:38
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		28	73	µg/Kg-dry	1	4/25/2014 08:35
1,1,2,2-Tetrachloroethane	U		32	73	µg/Kg-dry	1	4/25/2014 08:35
1,1,2-Trichloroethane	U		26	73	µg/Kg-dry	1	4/25/2014 08:35
1,1,2-Trichlorotrifluoroethane	U		27	73	µg/Kg-dry	1	4/25/2014 08:35
1,1-Dichloroethane	U		27	73	µg/Kg-dry	1	4/25/2014 08:35
1,1-Dichloroethene	U		31	73	µg/Kg-dry	1	4/25/2014 08:35
1,2,4-Trichlorobenzene	U		38	73	µg/Kg-dry	1	4/25/2014 08:35
1,2-Dibromo-3-chloropropane	U		36	73	µg/Kg-dry	1	4/25/2014 08:35
1,2-Dibromoethane	U		29	73	µg/Kg-dry	1	4/25/2014 08:35
1,2-Dichlorobenzene	U		29	73	µg/Kg-dry	1	4/25/2014 08:35
1,2-Dichloroethane	U		35	73	µg/Kg-dry	1	4/25/2014 08:35
1,2-Dichloropropane	U		24	73	µg/Kg-dry	1	4/25/2014 08:35
1,3-Dichlorobenzene	U		29	73	µg/Kg-dry	1	4/25/2014 08:35
1,4-Dichlorobenzene	U		28	73	µg/Kg-dry	1	4/25/2014 08:35
2-Butanone	U		180	490	µg/Kg-dry	1	4/25/2014 08:35
2-Hexanone	U		18	73	µg/Kg-dry	1	4/25/2014 08:35
4-Methyl-2-pentanone	U		25	73	µg/Kg-dry	1	4/25/2014 08:35
Acetone	U		160	240	µg/Kg-dry	1	4/25/2014 08:35
Benzene	U		29	73	µg/Kg-dry	1	4/25/2014 08:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-014
Collection Date: 4/14/2014 11:07 AM

Work Order: 1404759
Lab ID: 1404759-14
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		16	73	µg/Kg-dry	1	4/25/2014 08:35
Bromoform	U		14	73	µg/Kg-dry	1	4/25/2014 08:35
Bromomethane	U		28	180	µg/Kg-dry	1	4/25/2014 08:35
Carbon disulfide	U		36	73	µg/Kg-dry	1	4/25/2014 08:35
Carbon tetrachloride	U		21	73	µg/Kg-dry	1	4/25/2014 08:35
Chlorobenzene	U		30	73	µg/Kg-dry	1	4/25/2014 08:35
Chloroethane	U		160	240	µg/Kg-dry	1	4/25/2014 08:35
Chloroform	U		30	73	µg/Kg-dry	1	4/25/2014 08:35
Chloromethane	U		41	240	µg/Kg-dry	1	4/25/2014 08:35
cis-1,2-Dichloroethene	U		30	73	µg/Kg-dry	1	4/25/2014 08:35
cis-1,3-Dichloropropene	U		25	73	µg/Kg-dry	1	4/25/2014 08:35
Cyclohexane	U		33	73	µg/Kg-dry	1	4/25/2014 08:35
Dibromochloromethane	U		14	73	µg/Kg-dry	1	4/25/2014 08:35
Dichlorodifluoromethane	U		33	73	µg/Kg-dry	1	4/25/2014 08:35
Ethylbenzene	U		27	73	µg/Kg-dry	1	4/25/2014 08:35
Isopropylbenzene	U		32	73	µg/Kg-dry	1	4/25/2014 08:35
Methyl acetate	**250**	J	**98**	**490**	**µg/Kg-dry**	1	4/25/2014 08:35
Methyl tert-butyl ether	U		31	73	µg/Kg-dry	1	4/25/2014 08:35
Methylcyclohexane	U		34	73	µg/Kg-dry	1	4/25/2014 08:35
Methylene chloride	U		29	73	µg/Kg-dry	1	4/25/2014 08:35
Styrene	U		27	73	µg/Kg-dry	1	4/25/2014 08:35
Tetrachloroethene	U		33	73	µg/Kg-dry	1	4/25/2014 08:35
Toluene	U		27	73	µg/Kg-dry	1	4/25/2014 08:35
trans-1,2-Dichloroethene	U		23	73	µg/Kg-dry	1	4/25/2014 08:35
trans-1,3-Dichloropropene	U		25	73	µg/Kg-dry	1	4/25/2014 08:35
Trichloroethene	U		34	73	µg/Kg-dry	1	4/25/2014 08:35
Trichlorofluoromethane	U		20	73	µg/Kg-dry	1	4/25/2014 08:35
Vinyl chloride	U		33	73	µg/Kg-dry	1	4/25/2014 08:35
Xylenes, Total	U		87	220	µg/Kg-dry	1	4/25/2014 08:35
Surr: 1,2-Dichloroethane-d4	*94.0*			*70-130*	*%REC*	1	4/25/2014 08:35
Surr: 4-Bromofluorobenzene	*89.6*			*70-130*	*%REC*	1	4/25/2014 08:35
Surr: Dibromofluoromethane	*97.6*			*70-130*	*%REC*	1	4/25/2014 08:35
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/25/2014 08:35
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**44**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-015
Collection Date: 4/14/2014 11:10 AM

Work Order: 1404759
Lab ID: 1404759-15
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		60	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1221	U		60	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1232	U		60	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1242	U		60	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1248	U		60	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1254	U		39	110	µg/Kg-dry	1	4/18/2014 15:59
Aroclor 1260	U		39	110	µg/Kg-dry	1	4/18/2014 15:59
Surr: Decachlorobiphenyl	*88.1*			*40-140*	*%REC*	1	4/18/2014 15:59
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0031**	J	**0.00086**	**0.043**	**mg/Kg-dry**	1	4/28/2014 09:45
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.11**	J	**0.0094**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Arsenic	**1.4**	J	**0.32**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Barium	**130**		**0.066**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Beryllium	**0.12**	J	**0.019**	**0.94**	**mg/Kg-dry**	5	4/26/2014 08:40
Cadmium	**0.11**	J	**0.0094**	**0.94**	**mg/Kg-dry**	5	4/26/2014 08:40
Chromium	**6.0**		**0.39**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Cobalt	**1.8**	J	**0.0094**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Copper	**11**		**0.46**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Iron	**4,500**		**7.8**	**38**	**mg/Kg-dry**	5	4/26/2014 08:40
Manganese	**62**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Molybdenum	**1.7**	J	**0.10**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Nickel	**6.0**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Selenium	**1.1**	J	**0.30**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Silver	U		0.0094	2.4	mg/Kg-dry	5	4/26/2014 08:40
Vanadium	**9.0**		**0.14**	**2.4**	**mg/Kg-dry**	5	4/26/2014 08:40
Zinc	**14**		**0.20**	**4.7**	**mg/Kg-dry**	5	4/26/2014 08:40
BatchID: 57824							
Lead	**2.3**	J	**0.047**	**12**	**mg/Kg-dry**	25	4/26/2014 19:56
Thallium	U		0.28	12	mg/Kg-dry	25	4/26/2014 19:56
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.6	8.6	µg/Kg-dry	1	4/23/2014 12:00
Acenaphthene	U		1.3	8.6	µg/Kg-dry	1	4/23/2014 12:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-015
Collection Date: 4/14/2014 11:10 AM

Work Order: 1404759
Lab ID: 1404759-15
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.6	8.6	µg/Kg-dry	1	4/23/2014 12:00
Anthracene	U		1.7	8.6	µg/Kg-dry	1	4/23/2014 12:00
Benzo(a)anthracene	U		1.7	8.6	µg/Kg-dry	1	4/23/2014 12:00
Benzo(a)pyrene	U		2.8	8.6	µg/Kg-dry	1	4/23/2014 12:00
Benzo(b)fluoranthene	U		2.5	8.6	µg/Kg-dry	1	4/23/2014 12:00
Benzo(g,h,i)perylene	U		3.4	8.6	µg/Kg-dry	1	4/23/2014 12:00
Benzo(k)fluoranthene	U		1.8	8.6	µg/Kg-dry	1	4/23/2014 12:00
Chrysene	U		2.0	8.6	µg/Kg-dry	1	4/23/2014 12:00
Dibenzo(a,h)anthracene	U		3.2	8.6	µg/Kg-dry	1	4/23/2014 12:00
Fluoranthene	U		3.0	8.6	µg/Kg-dry	1	4/23/2014 12:00
Fluorene	U		2.9	8.6	µg/Kg-dry	1	4/23/2014 12:00
Indeno(1,2,3-cd)pyrene	U		2.9	8.6	µg/Kg-dry	1	4/23/2014 12:00
Naphthalene	U		3.2	8.6	µg/Kg-dry	1	4/23/2014 12:00
Phenanthrene	U		1.7	8.6	µg/Kg-dry	1	4/23/2014 12:00
Pyrene	U		2.9	8.6	µg/Kg-dry	1	4/23/2014 12:00
Surr: 2-Fluorobiphenyl	*47.5*			*12-100*	*%REC*	1	4/23/2014 12:00
Surr: 4-Terphenyl-d14	*68.9*			*25-137*	*%REC*	1	4/23/2014 12:00
Surr: Nitrobenzene-d5	*48.7*			*37-107*	*%REC*	1	4/23/2014 12:00
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
1,1,2,2-Tetrachloroethane	U		17	39	µg/Kg-dry	1	4/25/2014 09:00
1,1,2-Trichloroethane	U		14	39	µg/Kg-dry	1	4/25/2014 09:00
1,1,2-Trichlorotrifluoroethane	U		14	39	µg/Kg-dry	1	4/25/2014 09:00
1,1-Dichloroethane	U		14	39	µg/Kg-dry	1	4/25/2014 09:00
1,1-Dichloroethene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
1,2,4-Trichlorobenzene	U		20	39	µg/Kg-dry	1	4/25/2014 09:00
1,2-Dibromo-3-chloropropane	U		19	39	µg/Kg-dry	1	4/25/2014 09:00
1,2-Dibromoethane	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
1,2-Dichlorobenzene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
1,2-Dichloroethane	U		19	39	µg/Kg-dry	1	4/25/2014 09:00
1,2-Dichloropropane	U		13	39	µg/Kg-dry	1	4/25/2014 09:00
1,3-Dichlorobenzene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
1,4-Dichlorobenzene	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
2-Butanone	U		97	260	µg/Kg-dry	1	4/25/2014 09:00
2-Hexanone	U		9.6	39	µg/Kg-dry	1	4/25/2014 09:00
4-Methyl-2-pentanone	U		13	39	µg/Kg-dry	1	4/25/2014 09:00
Acetone	U		83	130	µg/Kg-dry	1	4/25/2014 09:00
Benzene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-015
Collection Date: 4/14/2014 11:10 AM

Work Order: 1404759
Lab ID: 1404759-15
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		8.8	39	µg/Kg-dry	1	4/25/2014 09:00
Bromoform	U		7.7	39	µg/Kg-dry	1	4/25/2014 09:00
Bromomethane	U		15	98	µg/Kg-dry	1	4/25/2014 09:00
Carbon disulfide	U		19	39	µg/Kg-dry	1	4/25/2014 09:00
Carbon tetrachloride	U		11	39	µg/Kg-dry	1	4/25/2014 09:00
Chlorobenzene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
Chloroethane	U		83	130	µg/Kg-dry	1	4/25/2014 09:00
Chloroform	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
Chloromethane	U		22	130	µg/Kg-dry	1	4/25/2014 09:00
cis-1,2-Dichloroethene	U		16	39	µg/Kg-dry	1	4/25/2014 09:00
cis-1,3-Dichloropropene	U		13	39	µg/Kg-dry	1	4/25/2014 09:00
Cyclohexane	U		18	39	µg/Kg-dry	1	4/25/2014 09:00
Dibromochloromethane	U		7.2	39	µg/Kg-dry	1	4/25/2014 09:00
Dichlorodifluoromethane	U		18	39	µg/Kg-dry	1	4/25/2014 09:00
Ethylbenzene	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
Isopropylbenzene	U		17	39	µg/Kg-dry	1	4/25/2014 09:00
Methyl acetate	**190**	J	**52**	**260**	**µg/Kg-dry**	1	4/25/2014 09:00
Methyl tert-butyl ether	U		17	39	µg/Kg-dry	1	4/25/2014 09:00
Methylcyclohexane	U		18	39	µg/Kg-dry	1	4/25/2014 09:00
Methylene chloride	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
Styrene	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
Tetrachloroethene	U		17	39	µg/Kg-dry	1	4/25/2014 09:00
Toluene	U		15	39	µg/Kg-dry	1	4/25/2014 09:00
trans-1,2-Dichloroethene	U		12	39	µg/Kg-dry	1	4/25/2014 09:00
trans-1,3-Dichloropropene	U		13	39	µg/Kg-dry	1	4/25/2014 09:00
Trichloroethene	U		18	39	µg/Kg-dry	1	4/25/2014 09:00
Trichlorofluoromethane	U		11	39	µg/Kg-dry	1	4/25/2014 09:00
Vinyl chloride	U		18	39	µg/Kg-dry	1	4/25/2014 09:00
Xylenes, Total	U		46	120	µg/Kg-dry	1	4/25/2014 09:00
Surr: 1,2-Dichloroethane-d4	*95.4*			*70-130*	*%REC*	1	4/25/2014 09:00
Surr: 4-Bromofluorobenzene	*90.4*			*70-130*	*%REC*	1	4/25/2014 09:00
Surr: Dibromofluoromethane	*95.0*			*70-130*	*%REC*	1	4/25/2014 09:00
Surr: Toluene-d8	*99.3*			*70-130*	*%REC*	1	4/25/2014 09:00
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**23**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-016
Collection Date: 4/14/2014 11:15 AM

Work Order: 1404759
Lab ID: 1404759-16
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/18/2014 16:48
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/18/2014 16:48
Surr: Decachlorobiphenyl	*94.1*			*40-140*	*%REC*	1	4/18/2014 16:48
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.045**	J	**0.0011**	**0.056**	**mg/Kg-dry**	1	4/28/2014 09:48
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**2.4**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Arsenic	**15**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Barium	**39**		**0.064**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Beryllium	**0.94**		**0.018**	**0.92**	**mg/Kg-dry**	5	4/26/2014 08:46
Cadmium	**0.50**	J	**0.0092**	**0.92**	**mg/Kg-dry**	5	4/26/2014 08:46
Chromium	**8.4**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Cobalt	**4.6**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Copper	**25**		**0.45**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Iron	**36,000**		**7.6**	**37**	**mg/Kg-dry**	5	4/26/2014 08:46
Lead	**51**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 20:02
Manganese	**100**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Molybdenum	**2.5**		**0.10**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Nickel	**12**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Selenium	**1.6**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Silver	**0.029**	J	**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Thallium	**0.29**	J	**0.055**	**2.3**	**mg/Kg-dry**	5	4/26/2014 20:02
Vanadium	**18**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 08:46
Zinc	**32**		**0.19**	**4.6**	**mg/Kg-dry**	5	4/26/2014 08:46
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		33	80	µg/Kg-dry	10	4/23/2014 12:21
Acenaphthene	U		12	80	µg/Kg-dry	10	4/23/2014 12:21
Acenaphthylene	**3,000**		**15**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-016
Collection Date: 4/14/2014 11:15 AM

Work Order: 1404759
Lab ID: 1404759-16
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**1,100**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Benzo(a)anthracene	**4,500**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Benzo(a)pyrene	**5,400**		**26**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Benzo(b)fluoranthene	**12,000**		**23**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Benzo(g,h,i)perylene	**2,800**		**31**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Benzo(k)fluoranthene	**3,800**		**17**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Chrysene	**5,700**		**19**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Dibenzo(a,h)anthracene	**1,400**		**30**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Fluoranthene	**5,400**		**28**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Fluorene	U		27	80	µg/Kg-dry	10	4/23/2014 12:21
Indeno(1,2,3-cd)pyrene	**3,300**		**27**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Naphthalene	U		29	80	µg/Kg-dry	10	4/23/2014 12:21
Phenanthrene	**570**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Pyrene	**4,300**		**27**	**80**	**µg/Kg-dry**	10	4/23/2014 12:21
Surr: 2-Fluorobiphenyl	*50.0*			*12-100*	*%REC*	10	4/23/2014 12:21
Surr: 4-Terphenyl-d14	*77.6*			*25-137*	*%REC*	10	4/23/2014 12:21
Surr: Nitrobenzene-d5	*51.2*			*37-107*	*%REC*	10	4/23/2014 12:21
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		25	67	µg/Kg-dry	1	4/25/2014 09:25
1,1,2,2-Tetrachloroethane	U		29	67	µg/Kg-dry	1	4/25/2014 09:25
1,1,2-Trichloroethane	U		24	67	µg/Kg-dry	1	4/25/2014 09:25
1,1,2-Trichlorotrifluoroethane	U		25	67	µg/Kg-dry	1	4/25/2014 09:25
1,1-Dichloroethane	U		25	67	µg/Kg-dry	1	4/25/2014 09:25
1,1-Dichloroethene	U		28	67	µg/Kg-dry	1	4/25/2014 09:25
1,2,4-Trichlorobenzene	U		35	67	µg/Kg-dry	1	4/25/2014 09:25
1,2-Dibromo-3-chloropropane	U		33	67	µg/Kg-dry	1	4/25/2014 09:25
1,2-Dibromoethane	U		26	67	µg/Kg-dry	1	4/25/2014 09:25
1,2-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 09:25
1,2-Dichloroethane	U		32	67	µg/Kg-dry	1	4/25/2014 09:25
1,2-Dichloropropane	U		22	67	µg/Kg-dry	1	4/25/2014 09:25
1,3-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 09:25
1,4-Dichlorobenzene	U		26	67	µg/Kg-dry	1	4/25/2014 09:25
2-Butanone	U		170	450	µg/Kg-dry	1	4/25/2014 09:25
2-Hexanone	U		16	67	µg/Kg-dry	1	4/25/2014 09:25
4-Methyl-2-pentanone	U		23	67	µg/Kg-dry	1	4/25/2014 09:25
Acetone	**250**		**140**	**220**	**µg/Kg-dry**	1	4/25/2014 09:25
Benzene	U		27	67	µg/Kg-dry	1	4/25/2014 09:25
Bromodichloromethane	U		15	67	µg/Kg-dry	1	4/25/2014 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-016
Collection Date: 4/14/2014 11:15 AM

Work Order: 1404759
Lab ID: 1404759-16
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		13	67	µg/Kg-dry	1	4/25/2014 09:25
Bromomethane	U		26	170	µg/Kg-dry	1	4/25/2014 09:25
Carbon disulfide	U		33	67	µg/Kg-dry	1	4/25/2014 09:25
Carbon tetrachloride	U		19	67	µg/Kg-dry	1	4/25/2014 09:25
Chlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 09:25
Chloroethane	U		140	220	µg/Kg-dry	1	4/25/2014 09:25
Chloroform	U		28	67	µg/Kg-dry	1	4/25/2014 09:25
Chloromethane	U		37	220	µg/Kg-dry	1	4/25/2014 09:25
cis-1,2-Dichloroethene	U		27	67	µg/Kg-dry	1	4/25/2014 09:25
cis-1,3-Dichloropropene	U		23	67	µg/Kg-dry	1	4/25/2014 09:25
Cyclohexane	**290**		**30**	**67**	**µg/Kg-dry**	1	4/25/2014 09:25
Dibromochloromethane	U		12	67	µg/Kg-dry	1	4/25/2014 09:25
Dichlorodifluoromethane	U		30	67	µg/Kg-dry	1	4/25/2014 09:25
Ethylbenzene	**110**		**25**	**67**	**µg/Kg-dry**	1	4/25/2014 09:25
Isopropylbenzene	**100**		**29**	**67**	**µg/Kg-dry**	1	4/25/2014 09:25
Methyl acetate	**570**		**90**	**450**	**µg/Kg-dry**	1	4/25/2014 09:25
Methyl tert-butyl ether	U		28	67	µg/Kg-dry	1	4/25/2014 09:25
Methylcyclohexane	**1,100**		**31**	**67**	**µg/Kg-dry**	1	4/25/2014 09:25
Methylene chloride	U		26	67	µg/Kg-dry	1	4/25/2014 09:25
Styrene	U		25	67	µg/Kg-dry	1	4/25/2014 09:25
Tetrachloroethene	U		30	67	µg/Kg-dry	1	4/25/2014 09:25
Toluene	**260**		**25**	**67**	**µg/Kg-dry**	1	4/25/2014 09:25
trans-1,2-Dichloroethene	U		21	67	µg/Kg-dry	1	4/25/2014 09:25
trans-1,3-Dichloropropene	U		22	67	µg/Kg-dry	1	4/25/2014 09:25
Trichloroethene	U		31	67	µg/Kg-dry	1	4/25/2014 09:25
Trichlorofluoromethane	U		18	67	µg/Kg-dry	1	4/25/2014 09:25
Vinyl chloride	U		30	67	µg/Kg-dry	1	4/25/2014 09:25
Xylenes, Total	**740**		**79**	**200**	**µg/Kg-dry**	1	4/25/2014 09:25
Surr: 1,2-Dichloroethane-d4	*94.0*			*70-130*	*%REC*	1	4/25/2014 09:25
Surr: 4-Bromofluorobenzene	*90.3*			*70-130*	*%REC*	1	4/25/2014 09:25
Surr: Dibromofluoromethane	*95.7*			*70-130*	*%REC*	1	4/25/2014 09:25
Surr: Toluene-d8	*98.0*			*70-130*	*%REC*	1	4/25/2014 09:25
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-017
Collection Date: 4/14/2014 11:17 AM

Work Order: 1404759
Lab ID: 1404759-17
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		57	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1221	U		57	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1232	U		57	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1242	U		57	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1248	U		57	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1254	U		37	100	µg/Kg-dry	1	4/18/2014 17:04
Aroclor 1260	U		37	100	µg/Kg-dry	1	4/18/2014 17:04
Surr: Decachlorobiphenyl	*90.1*			*40-140*	*%REC*	1	4/18/2014 17:04
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.037**	J	**0.00096**	**0.048**	**mg/Kg-dry**	1	4/28/2014 09:50
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**6.1**		**0.010**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Arsenic	**13**		**0.34**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Barium	**53**		**0.071**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Beryllium	**1.1**		**0.020**	**1.0**	**mg/Kg-dry**	5	4/26/2014 08:52
Cadmium	**1.8**		**0.010**	**1.0**	**mg/Kg-dry**	5	4/26/2014 08:52
Chromium	**9.2**		**0.41**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Cobalt	**7.4**		**0.010**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Copper	**130**		**0.49**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Iron	**38,000**		**8.4**	**40**	**mg/Kg-dry**	5	4/26/2014 08:52
Lead	**110**		**0.010**	**2.5**	**mg/Kg-dry**	5	4/26/2014 20:08
Manganese	**500**		**0.22**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Molybdenum	**2.5**	J	**0.11**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Nickel	**19**		**0.25**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Selenium	**2.1**	J	**0.32**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Silver	**0.031**	J	**0.010**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Thallium	**0.48**	J	**0.061**	**2.5**	**mg/Kg-dry**	5	4/26/2014 20:08
Vanadium	**14**		**0.15**	**2.5**	**mg/Kg-dry**	5	4/26/2014 08:52
Zinc	**30**		**0.21**	**5.0**	**mg/Kg-dry**	5	4/26/2014 08:52
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		33	79	µg/Kg-dry	10	4/23/2014 12:41
Acenaphthene	U		12	79	µg/Kg-dry	10	4/23/2014 12:41
Acenaphthylene	**1,500**		**14**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-017
Collection Date: 4/14/2014 11:17 AM

Work Order: 1404759
Lab ID: 1404759-17
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		16	79	µg/Kg-dry	10	4/23/2014 12:41
Benzo(a)anthracene	**1,400**		**16**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Benzo(a)pyrene	**2,300**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Benzo(b)fluoranthene	**4,000**		**23**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Benzo(g,h,i)perylene	**1,000**		**31**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Benzo(k)fluoranthene	**1,700**		**17**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Chrysene	**1,600**		**19**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Dibenzo(a,h)anthracene	**540**		**29**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Fluoranthene	**1,300**		**28**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Fluorene	U		26	79	µg/Kg-dry	10	4/23/2014 12:41
Indeno(1,2,3-cd)pyrene	**1,400**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Naphthalene	U		29	79	µg/Kg-dry	10	4/23/2014 12:41
Phenanthrene	U		16	79	µg/Kg-dry	10	4/23/2014 12:41
Pyrene	**1,100**		**27**	**79**	**µg/Kg-dry**	10	4/23/2014 12:41
Surr: 2-Fluorobiphenyl	*36.4*			*12-100*	*%REC*	10	4/23/2014 12:41
Surr: 4-Terphenyl-d14	*57.8*			*25-137*	*%REC*	10	4/23/2014 12:41
Surr: Nitrobenzene-d5	*43.6*			*37-107*	*%REC*	10	4/23/2014 12:41
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		34	89	µg/Kg-dry	1	4/25/2014 09:51
1,1,2,2-Tetrachloroethane	U		39	89	µg/Kg-dry	1	4/25/2014 09:51
1,1,2-Trichloroethane	U		31	89	µg/Kg-dry	1	4/25/2014 09:51
1,1,2-Trichlorotrifluoroethane	U		33	89	µg/Kg-dry	1	4/25/2014 09:51
1,1-Dichloroethane	U		33	89	µg/Kg-dry	1	4/25/2014 09:51
1,1-Dichloroethene	U		37	89	µg/Kg-dry	1	4/25/2014 09:51
1,2,4-Trichlorobenzene	U		46	89	µg/Kg-dry	1	4/25/2014 09:51
1,2-Dibromo-3-chloropropane	U		43	89	µg/Kg-dry	1	4/25/2014 09:51
1,2-Dibromoethane	U		35	89	µg/Kg-dry	1	4/25/2014 09:51
1,2-Dichlorobenzene	U		36	89	µg/Kg-dry	1	4/25/2014 09:51
1,2-Dichloroethane	U		42	89	µg/Kg-dry	1	4/25/2014 09:51
1,2-Dichloropropane	U		29	89	µg/Kg-dry	1	4/25/2014 09:51
1,3-Dichlorobenzene	U		36	89	µg/Kg-dry	1	4/25/2014 09:51
1,4-Dichlorobenzene	U		34	89	µg/Kg-dry	1	4/25/2014 09:51
2-Butanone	U		220	590	µg/Kg-dry	1	4/25/2014 09:51
2-Hexanone	U		22	89	µg/Kg-dry	1	4/25/2014 09:51
4-Methyl-2-pentanone	U		30	89	µg/Kg-dry	1	4/25/2014 09:51
Acetone	U		190	300	µg/Kg-dry	1	4/25/2014 09:51
Benzene	**370**		**36**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Bromodichloromethane	U		20	89	µg/Kg-dry	1	4/25/2014 09:51

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-017
Collection Date: 4/14/2014 11:17 AM

Work Order: 1404759
Lab ID: 1404759-17
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		18	89	µg/Kg-dry	1	4/25/2014 09:51
Bromomethane	U		34	220	µg/Kg-dry	1	4/25/2014 09:51
Carbon disulfide	**120**		**44**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Carbon tetrachloride	U		25	89	µg/Kg-dry	1	4/25/2014 09:51
Chlorobenzene	U		36	89	µg/Kg-dry	1	4/25/2014 09:51
Chloroethane	U		190	300	µg/Kg-dry	1	4/25/2014 09:51
Chloroform	U		37	89	µg/Kg-dry	1	4/25/2014 09:51
Chloromethane	U		50	300	µg/Kg-dry	1	4/25/2014 09:51
cis-1,2-Dichloroethene	U		36	89	µg/Kg-dry	1	4/25/2014 09:51
cis-1,3-Dichloropropene	U		30	89	µg/Kg-dry	1	4/25/2014 09:51
Cyclohexane	**1,200**		**40**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Dibromochloromethane	U		16	89	µg/Kg-dry	1	4/25/2014 09:51
Dichlorodifluoromethane	U		40	89	µg/Kg-dry	1	4/25/2014 09:51
Ethylbenzene	**1,100**		**33**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Isopropylbenzene	**890**		**38**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Methyl acetate	**510**	J	**120**	**590**	**µg/Kg-dry**	1	4/25/2014 09:51
Methyl tert-butyl ether	U		38	89	µg/Kg-dry	1	4/25/2014 09:51
Methylcyclohexane	**4,000**		**41**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
Methylene chloride	U		35	89	µg/Kg-dry	1	4/25/2014 09:51
Styrene	U		33	89	µg/Kg-dry	1	4/25/2014 09:51
Tetrachloroethene	U		40	89	µg/Kg-dry	1	4/25/2014 09:51
Toluene	**2,800**		**33**	**89**	**µg/Kg-dry**	1	4/25/2014 09:51
trans-1,2-Dichloroethene	U		27	89	µg/Kg-dry	1	4/25/2014 09:51
trans-1,3-Dichloropropene	U		30	89	µg/Kg-dry	1	4/25/2014 09:51
Trichloroethene	U		42	89	µg/Kg-dry	1	4/25/2014 09:51
Trichlorofluoromethane	U		25	89	µg/Kg-dry	1	4/25/2014 09:51
Vinyl chloride	U		40	89	µg/Kg-dry	1	4/25/2014 09:51
Xylenes, Total	**6,100**		**110**	**270**	**µg/Kg-dry**	1	4/25/2014 09:51
Surr: 1,2-Dichloroethane-d4	*93.8*			*70-130*	*%REC*	1	4/25/2014 09:51
Surr: 4-Bromofluorobenzene	*91.7*			*70-130*	*%REC*	1	4/25/2014 09:51
Surr: Dibromofluoromethane	*95.4*			*70-130*	*%REC*	1	4/25/2014 09:51
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/25/2014 09:51
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**18**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-018
Collection Date: 4/14/2014 11:20 AM

Work Order: 1404759
Lab ID: 1404759-18
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		52	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1221	U		52	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1232	U		52	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1242	U		52	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1248	U		52	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1254	U		34	92	µg/Kg-dry	1	4/18/2014 17:20
Aroclor 1260	U		34	92	µg/Kg-dry	1	4/18/2014 17:20
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/18/2014 17:20
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.056**		**0.00086**	**0.043**	**mg/Kg-dry**	1	4/28/2014 09:52
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**3.0**		**0.0086**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Arsenic	**7.4**		**0.29**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Barium	**45**		**0.060**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Beryllium	**0.59**	J	**0.017**	**0.86**	**mg/Kg-dry**	5	4/26/2014 08:58
Cadmium	**0.71**	J	**0.0086**	**0.86**	**mg/Kg-dry**	5	4/26/2014 08:58
Chromium	**6.8**		**0.35**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Cobalt	**3.8**		**0.0086**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Copper	**26**		**0.42**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Iron	**18,000**		**7.2**	**35**	**mg/Kg-dry**	5	4/26/2014 08:58
Lead	**41**		**0.0086**	**2.2**	**mg/Kg-dry**	5	4/26/2014 20:14
Manganese	**180**		**0.19**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Molybdenum	**1.4**	J	**0.095**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Nickel	**9.9**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Selenium	**1.8**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Silver	**0.023**	J	**0.0086**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Thallium	**0.26**	J	**0.052**	**2.2**	**mg/Kg-dry**	5	4/26/2014 20:14
Vanadium	**16**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/26/2014 08:58
Zinc	**44**		**0.18**	**4.3**	**mg/Kg-dry**	5	4/26/2014 08:58
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		31	74	µg/Kg-dry	10	4/23/2014 07:14
Acenaphthene	U		11	74	µg/Kg-dry	10	4/23/2014 07:14
Acenaphthylene	U		13	74	µg/Kg-dry	10	4/23/2014 07:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-018
Collection Date: 4/14/2014 11:20 AM

Work Order: 1404759
Lab ID: 1404759-18
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		15	74	µg/Kg-dry	10	4/23/2014 07:14
Benzo(a)anthracene	**470**		**15**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Benzo(a)pyrene	**820**		**24**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Benzo(b)fluoranthene	**1,200**		**22**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Benzo(g,h,i)perylene	**1,300**		**29**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Benzo(k)fluoranthene	**410**		**16**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Chrysene	**450**		**18**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Dibenzo(a,h)anthracene	**360**		**28**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Fluoranthene	U		26	74	µg/Kg-dry	10	4/23/2014 07:14
Fluorene	U		25	74	µg/Kg-dry	10	4/23/2014 07:14
Indeno(1,2,3-cd)pyrene	**1,100**		**25**	**74**	**µg/Kg-dry**	10	4/23/2014 07:14
Naphthalene	U		27	74	µg/Kg-dry	10	4/23/2014 07:14
Phenanthrene	U		15	74	µg/Kg-dry	10	4/23/2014 07:14
Pyrene	U		25	74	µg/Kg-dry	10	4/23/2014 07:14
Surr: 2-Fluorobiphenyl	*44.4*			*12-100*	*%REC*	10	4/23/2014 07:14
Surr: 4-Terphenyl-d14	*78.8*			*25-137*	*%REC*	10	4/23/2014 07:14
Surr: Nitrobenzene-d5	*49.6*			*37-107*	*%REC*	10	4/23/2014 07:14
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57907							
1,1,1-Trichloroethane	U		26	68	µg/Kg-dry	1	4/25/2014 10:16
1,1,2,2-Tetrachloroethane	U		30	68	µg/Kg-dry	1	4/25/2014 10:16
1,1,2-Trichloroethane	U		24	68	µg/Kg-dry	1	4/25/2014 10:16
1,1,2-Trichlorotrifluoroethane	U		25	68	µg/Kg-dry	1	4/25/2014 10:16
1,1-Dichloroethane	U		25	68	µg/Kg-dry	1	4/25/2014 10:16
1,1-Dichloroethene	U		28	68	µg/Kg-dry	1	4/25/2014 10:16
1,2,4-Trichlorobenzene	U		35	68	µg/Kg-dry	1	4/25/2014 10:16
1,2-Dibromo-3-chloropropane	U		33	68	µg/Kg-dry	1	4/25/2014 10:16
1,2-Dibromoethane	U		27	68	µg/Kg-dry	1	4/25/2014 10:16
1,2-Dichlorobenzene	U		27	68	µg/Kg-dry	1	4/25/2014 10:16
1,2-Dichloroethane	U		32	68	µg/Kg-dry	1	4/25/2014 10:16
1,2-Dichloropropane	U		22	68	µg/Kg-dry	1	4/25/2014 10:16
1,3-Dichlorobenzene	U		27	68	µg/Kg-dry	1	4/25/2014 10:16
1,4-Dichlorobenzene	U		26	68	µg/Kg-dry	1	4/25/2014 10:16
2-Butanone	U		170	450	µg/Kg-dry	1	4/25/2014 10:16
2-Hexanone	U		17	68	µg/Kg-dry	1	4/25/2014 10:16
4-Methyl-2-pentanone	U		23	68	µg/Kg-dry	1	4/25/2014 10:16
Acetone	U		140	230	µg/Kg-dry	1	4/25/2014 10:16
Benzene	**170**		**27**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
Bromodichloromethane	U		15	68	µg/Kg-dry	1	4/25/2014 10:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-018
Collection Date: 4/14/2014 11:20 AM

Work Order: 1404759
Lab ID: 1404759-18
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		13	68	µg/Kg-dry	1	4/25/2014 10:16
Bromomethane	U		26	170	µg/Kg-dry	1	4/25/2014 10:16
Carbon disulfide	U		34	68	µg/Kg-dry	1	4/25/2014 10:16
Carbon tetrachloride	U		19	68	µg/Kg-dry	1	4/25/2014 10:16
Chlorobenzene	U		28	68	µg/Kg-dry	1	4/25/2014 10:16
Chloroethane	U		140	230	µg/Kg-dry	1	4/25/2014 10:16
Chloroform	U		28	68	µg/Kg-dry	1	4/25/2014 10:16
Chloromethane	U		38	230	µg/Kg-dry	1	4/25/2014 10:16
cis-1,2-Dichloroethene	U		27	68	µg/Kg-dry	1	4/25/2014 10:16
cis-1,3-Dichloropropene	U		23	68	µg/Kg-dry	1	4/25/2014 10:16
Cyclohexane	**240**		**30**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
Dibromochloromethane	U		13	68	µg/Kg-dry	1	4/25/2014 10:16
Dichlorodifluoromethane	U		31	68	µg/Kg-dry	1	4/25/2014 10:16
Ethylbenzene	**110**		**25**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
Isopropylbenzene	**44**	J	**29**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
Methyl acetate	**420**	J	**91**	**450**	**µg/Kg-dry**	1	4/25/2014 10:16
Methyl tert-butyl ether	U		29	68	µg/Kg-dry	1	4/25/2014 10:16
Methylcyclohexane	**870**		**31**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
Methylene chloride	U		27	68	µg/Kg-dry	1	4/25/2014 10:16
Styrene	U		25	68	µg/Kg-dry	1	4/25/2014 10:16
Tetrachloroethene	U		30	68	µg/Kg-dry	1	4/25/2014 10:16
Toluene	**460**		**25**	**68**	**µg/Kg-dry**	1	4/25/2014 10:16
trans-1,2-Dichloroethene	U		21	68	µg/Kg-dry	1	4/25/2014 10:16
trans-1,3-Dichloropropene	U		23	68	µg/Kg-dry	1	4/25/2014 10:16
Trichloroethene	U		32	68	µg/Kg-dry	1	4/25/2014 10:16
Trichlorofluoromethane	U		19	68	µg/Kg-dry	1	4/25/2014 10:16
Vinyl chloride	U		31	68	µg/Kg-dry	1	4/25/2014 10:16
Xylenes, Total	**900**		**80**	**200**	**µg/Kg-dry**	1	4/25/2014 10:16
Surr: 1,2-Dichloroethane-d4	*93.9*			*70-130*	*%REC*	1	4/25/2014 10:16
Surr: 4-Bromofluorobenzene	*90.6*			*70-130*	*%REC*	1	4/25/2014 10:16
Surr: Dibromofluoromethane	*94.4*			*70-130*	*%REC*	1	4/25/2014 10:16
Surr: Toluene-d8	*99.1*			*70-130*	*%REC*	1	4/25/2014 10:16
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-019
Collection Date: 4/14/2014 11:22 AM

Work Order: 1404759
Lab ID: 1404759-19
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		97	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1221	U		97	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1232	U		97	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1242	U		97	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1248	U		97	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1254	U		63	170	µg/Kg-dry	1	4/18/2014 17:36
Aroclor 1260	U		63	170	µg/Kg-dry	1	4/18/2014 17:36
Surr: Decachlorobiphenyl	*78.1*			*40-140*	*%REC*	1	4/18/2014 17:36
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0046**	J	**0.0016**	**0.078**	**mg/Kg-dry**	1	4/28/2014 09:54
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.14**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Arsenic	**12**		**0.48**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Barium	**220**		**0.099**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Beryllium	U		0.028	1.4	mg/Kg-dry	5	4/26/2014 09:03
Cadmium	**0.097**	J	**0.014**	**1.4**	**mg/Kg-dry**	5	4/26/2014 09:03
Chromium	**1.5**	J	**0.58**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Cobalt	**1.6**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Copper	**4.1**		**0.69**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Iron	**7,200**		**12**	**57**	**mg/Kg-dry**	5	4/26/2014 09:03
Manganese	**150**		**0.31**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Molybdenum	**3.3**	J	**0.16**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Nickel	**4.8**		**0.35**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Selenium	**1.2**	J	**0.45**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Silver	U		0.014	3.5	mg/Kg-dry	5	4/26/2014 09:03
Vanadium	**5.9**		**0.21**	**3.5**	**mg/Kg-dry**	5	4/26/2014 09:03
Zinc	**6.9**	J	**0.30**	**7.1**	**mg/Kg-dry**	5	4/26/2014 09:03
BatchID: 57824							
Lead	**0.97**	J	**0.071**	**18**	**mg/Kg-dry**	25	4/26/2014 20:20
Thallium	U		0.42	18	mg/Kg-dry	25	4/26/2014 20:20
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		5.8	14	µg/Kg-dry	1	4/23/2014 07:35
Acenaphthene	U		2.1	14	µg/Kg-dry	1	4/23/2014 07:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-019
Collection Date: 4/14/2014 11:22 AM

Work Order: 1404759
Lab ID: 1404759-19
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.6	14	µg/Kg-dry	1	4/23/2014 07:35
Anthracene	U		2.8	14	µg/Kg-dry	1	4/23/2014 07:35
Benzo(a)anthracene	U		2.8	14	µg/Kg-dry	1	4/23/2014 07:35
Benzo(a)pyrene	**130**		**4.6**	**14**	**µg/Kg-dry**	1	4/23/2014 07:35
Benzo(b)fluoranthene	**140**		**4.1**	**14**	**µg/Kg-dry**	1	4/23/2014 07:35
Benzo(g,h,i)perylene	**78**		**5.5**	**14**	**µg/Kg-dry**	1	4/23/2014 07:35
Benzo(k)fluoranthene	**74**		**3.0**	**14**	**µg/Kg-dry**	1	4/23/2014 07:35
Chrysene	U		3.4	14	µg/Kg-dry	1	4/23/2014 07:35
Dibenzo(a,h)anthracene	U		5.3	14	µg/Kg-dry	1	4/23/2014 07:35
Fluoranthene	U		4.9	14	µg/Kg-dry	1	4/23/2014 07:35
Fluorene	U		4.7	14	µg/Kg-dry	1	4/23/2014 07:35
Indeno(1,2,3-cd)pyrene	**120**		**4.7**	**14**	**µg/Kg-dry**	1	4/23/2014 07:35
Naphthalene	U		5.2	14	µg/Kg-dry	1	4/23/2014 07:35
Phenanthrene	U		2.8	14	µg/Kg-dry	1	4/23/2014 07:35
Pyrene	U		4.8	14	µg/Kg-dry	1	4/23/2014 07:35
Surr: 2-Fluorobiphenyl	*51.3*			*12-100*	*%REC*	1	4/23/2014 07:35
Surr: 4-Terphenyl-d14	*73.9*			*25-137*	*%REC*	1	4/23/2014 07:35
Surr: Nitrobenzene-d5	*51.2*			*37-107*	*%REC*	1	4/23/2014 07:35
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57907							
1,1,1-Trichloroethane	U		36	96	µg/Kg-dry	1	4/25/2014 10:41
1,1,2,2-Tetrachloroethane	U		42	96	µg/Kg-dry	1	4/25/2014 10:41
1,1,2-Trichloroethane	U		34	96	µg/Kg-dry	1	4/25/2014 10:41
1,1,2-Trichlorotrifluoroethane	U		35	96	µg/Kg-dry	1	4/25/2014 10:41
1,1-Dichloroethane	U		35	96	µg/Kg-dry	1	4/25/2014 10:41
1,1-Dichloroethene	U		40	96	µg/Kg-dry	1	4/25/2014 10:41
1,2,4-Trichlorobenzene	U		50	96	µg/Kg-dry	1	4/25/2014 10:41
1,2-Dibromo-3-chloropropane	U		47	96	µg/Kg-dry	1	4/25/2014 10:41
1,2-Dibromoethane	U		38	96	µg/Kg-dry	1	4/25/2014 10:41
1,2-Dichlorobenzene	U		38	96	µg/Kg-dry	1	4/25/2014 10:41
1,2-Dichloroethane	U		45	96	µg/Kg-dry	1	4/25/2014 10:41
1,2-Dichloropropane	U		32	96	µg/Kg-dry	1	4/25/2014 10:41
1,3-Dichlorobenzene	U		38	96	µg/Kg-dry	1	4/25/2014 10:41
1,4-Dichlorobenzene	U		37	96	µg/Kg-dry	1	4/25/2014 10:41
2-Butanone	U		240	640	µg/Kg-dry	1	4/25/2014 10:41
2-Hexanone	U		24	96	µg/Kg-dry	1	4/25/2014 10:41
4-Methyl-2-pentanone	U		32	96	µg/Kg-dry	1	4/25/2014 10:41
Acetone	U		200	320	µg/Kg-dry	1	4/25/2014 10:41
Benzene	U		38	96	µg/Kg-dry	1	4/25/2014 10:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-019
Collection Date: 4/14/2014 11:22 AM

Work Order: 1404759
Lab ID: 1404759-19
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		22	96	µg/Kg-dry	1	4/25/2014 10:41
Bromoform	U		19	96	µg/Kg-dry	1	4/25/2014 10:41
Bromomethane	U		37	240	µg/Kg-dry	1	4/25/2014 10:41
Carbon disulfide	U		47	96	µg/Kg-dry	1	4/25/2014 10:41
Carbon tetrachloride	U		27	96	µg/Kg-dry	1	4/25/2014 10:41
Chlorobenzene	U		39	96	µg/Kg-dry	1	4/25/2014 10:41
Chloroethane	U		200	320	µg/Kg-dry	1	4/25/2014 10:41
Chloroform	U		39	96	µg/Kg-dry	1	4/25/2014 10:41
Chloromethane	U		53	320	µg/Kg-dry	1	4/25/2014 10:41
cis-1,2-Dichloroethene	U		39	96	µg/Kg-dry	1	4/25/2014 10:41
cis-1,3-Dichloropropene	U		33	96	µg/Kg-dry	1	4/25/2014 10:41
Cyclohexane	U		43	96	µg/Kg-dry	1	4/25/2014 10:41
Dibromochloromethane	U		18	96	µg/Kg-dry	1	4/25/2014 10:41
Dichlorodifluoromethane	U		43	96	µg/Kg-dry	1	4/25/2014 10:41
Ethylbenzene	U		36	96	µg/Kg-dry	1	4/25/2014 10:41
Isopropylbenzene	U		41	96	µg/Kg-dry	1	4/25/2014 10:41
Methyl acetate	**260**	J	**130**	**640**	**µg/Kg-dry**	1	4/25/2014 10:41
Methyl tert-butyl ether	U		41	96	µg/Kg-dry	1	4/25/2014 10:41
Methylcyclohexane	U		44	96	µg/Kg-dry	1	4/25/2014 10:41
Methylene chloride	U		38	96	µg/Kg-dry	1	4/25/2014 10:41
Styrene	U		36	96	µg/Kg-dry	1	4/25/2014 10:41
Tetrachloroethene	U		43	96	µg/Kg-dry	1	4/25/2014 10:41
Toluene	U		36	96	µg/Kg-dry	1	4/25/2014 10:41
trans-1,2-Dichloroethene	U		30	96	µg/Kg-dry	1	4/25/2014 10:41
trans-1,3-Dichloropropene	U		32	96	µg/Kg-dry	1	4/25/2014 10:41
Trichloroethene	U		45	96	µg/Kg-dry	1	4/25/2014 10:41
Trichlorofluoromethane	U		26	96	µg/Kg-dry	1	4/25/2014 10:41
Vinyl chloride	U		43	96	µg/Kg-dry	1	4/25/2014 10:41
Xylenes, Total	U		110	290	µg/Kg-dry	1	4/25/2014 10:41
Surr: 1,2-Dichloroethane-d4	*92.8*			*70-130*	*%REC*	1	4/25/2014 10:41
Surr: 4-Bromofluorobenzene	*88.8*			*70-130*	*%REC*	1	4/25/2014 10:41
Surr: Dibromofluoromethane	*95.2*			*70-130*	*%REC*	1	4/25/2014 10:41
Surr: Toluene-d8	*99.1*			*70-130*	*%REC*	1	4/25/2014 10:41
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**53**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-020
Collection Date: 4/14/2014 11:25 AM

Work Order: 1404759
Lab ID: 1404759-20
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		75	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1221	U		75	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1232	U		75	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1242	U		75	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1248	U		75	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1254	U		48	130	µg/Kg-dry	1	4/18/2014 18:09
Aroclor 1260	U		48	130	µg/Kg-dry	1	4/18/2014 18:09
Surr: Decachlorobiphenyl	*90.1*			*40-140*	*%REC*	1	4/18/2014 18:09
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0015**	J	**0.0012**	**0.062**	**mg/Kg-dry**	1	4/28/2014 09:57
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.055**	J	**0.012**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Arsenic	**0.99**	J	**0.40**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Barium	**150**		**0.083**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Beryllium	**0.068**	J	**0.024**	**1.2**	**mg/Kg-dry**	5	4/26/2014 09:09
Cadmium	**0.063**	J	**0.012**	**1.2**	**mg/Kg-dry**	5	4/26/2014 09:09
Chromium	**4.5**		**0.49**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Cobalt	**1.6**	J	**0.012**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Copper	**4.8**		**0.58**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Iron	**4,900**		**9.9**	**48**	**mg/Kg-dry**	5	4/26/2014 09:09
Manganese	**140**		**0.26**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Molybdenum	**2.1**	J	**0.13**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Nickel	**5.1**		**0.30**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Selenium	**1.2**	J	**0.38**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Silver	U		0.012	3.0	mg/Kg-dry	5	4/26/2014 09:09
Vanadium	**6.0**		**0.18**	**3.0**	**mg/Kg-dry**	5	4/26/2014 09:09
Zinc	**11**		**0.25**	**5.9**	**mg/Kg-dry**	5	4/26/2014 09:09
BatchID: 57824							
Lead	**2.1**	J	**0.059**	**15**	**mg/Kg-dry**	25	4/26/2014 20:26
Thallium	U		0.36	15	mg/Kg-dry	25	4/26/2014 20:26
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		4.4	11	µg/Kg-dry	1	4/24/2014 12:17
Acenaphthene	U		1.6	11	µg/Kg-dry	1	4/24/2014 12:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-020
Collection Date: 4/14/2014 11:25 AM

Work Order: 1404759
Lab ID: 1404759-20
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.9	11	µg/Kg-dry	1	4/24/2014 12:17
Anthracene	U		2.1	11	µg/Kg-dry	1	4/24/2014 12:17
Benzo(a)anthracene	U		2.1	11	µg/Kg-dry	1	4/24/2014 12:17
Benzo(a)pyrene	U		3.5	11	µg/Kg-dry	1	4/24/2014 12:17
Benzo(b)fluoranthene	U		3.1	11	µg/Kg-dry	1	4/24/2014 12:17
Benzo(g,h,i)perylene	U		4.2	11	µg/Kg-dry	1	4/24/2014 12:17
Benzo(k)fluoranthene	U		2.3	11	µg/Kg-dry	1	4/24/2014 12:17
Chrysene	U		2.5	11	µg/Kg-dry	1	4/24/2014 12:17
Dibenzo(a,h)anthracene	U		4.0	11	µg/Kg-dry	1	4/24/2014 12:17
Fluoranthene	U		3.7	11	µg/Kg-dry	1	4/24/2014 12:17
Fluorene	U		3.6	11	µg/Kg-dry	1	4/24/2014 12:17
Indeno(1,2,3-cd)pyrene	U		3.6	11	µg/Kg-dry	1	4/24/2014 12:17
Naphthalene	U		3.9	11	µg/Kg-dry	1	4/24/2014 12:17
Phenanthrene	U		2.1	11	µg/Kg-dry	1	4/24/2014 12:17
Pyrene	U		3.6	11	µg/Kg-dry	1	4/24/2014 12:17
Surr: 2-Fluorobiphenyl	*54.2*			*12-100*	*%REC*	1	4/24/2014 12:17
Surr: 4-Terphenyl-d14	*72.1*			*25-137*	*%REC*	1	4/24/2014 12:17
Surr: Nitrobenzene-d5	*54.1*			*37-107*	*%REC*	1	4/24/2014 12:17
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57907							
1,1,1-Trichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
1,1,2,2-Tetrachloroethane	U		21	48	µg/Kg-dry	1	4/25/2014 11:06
1,1,2-Trichloroethane	U		17	48	µg/Kg-dry	1	4/25/2014 11:06
1,1,2-Trichlorotrifluoroethane	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
1,1-Dichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
1,1-Dichloroethene	U		20	48	µg/Kg-dry	1	4/25/2014 11:06
1,2,4-Trichlorobenzene	U		25	48	µg/Kg-dry	1	4/25/2014 11:06
1,2-Dibromo-3-chloropropane	U		24	48	µg/Kg-dry	1	4/25/2014 11:06
1,2-Dibromoethane	U		19	48	µg/Kg-dry	1	4/25/2014 11:06
1,2-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 11:06
1,2-Dichloroethane	U		23	48	µg/Kg-dry	1	4/25/2014 11:06
1,2-Dichloropropane	U		16	48	µg/Kg-dry	1	4/25/2014 11:06
1,3-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 11:06
1,4-Dichlorobenzene	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
2-Butanone	U		120	320	µg/Kg-dry	1	4/25/2014 11:06
2-Hexanone	U		12	48	µg/Kg-dry	1	4/25/2014 11:06
4-Methyl-2-pentanone	U		16	48	µg/Kg-dry	1	4/25/2014 11:06
Acetone	U		100	160	µg/Kg-dry	1	4/25/2014 11:06
Benzene	U		19	48	µg/Kg-dry	1	4/25/2014 11:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-020
Collection Date: 4/14/2014 11:25 AM

Work Order: 1404759
Lab ID: 1404759-20
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		11	48	µg/Kg-dry	1	4/25/2014 11:06
Bromoform	U		9.5	48	µg/Kg-dry	1	4/25/2014 11:06
Bromomethane	U		19	120	µg/Kg-dry	1	4/25/2014 11:06
Carbon disulfide	U		24	48	µg/Kg-dry	1	4/25/2014 11:06
Carbon tetrachloride	U		14	48	µg/Kg-dry	1	4/25/2014 11:06
Chlorobenzene	U		20	48	µg/Kg-dry	1	4/25/2014 11:06
Chloroethane	U		100	160	µg/Kg-dry	1	4/25/2014 11:06
Chloroform	U		20	48	µg/Kg-dry	1	4/25/2014 11:06
Chloromethane	U		27	160	µg/Kg-dry	1	4/25/2014 11:06
cis-1,2-Dichloroethene	U		20	48	µg/Kg-dry	1	4/25/2014 11:06
cis-1,3-Dichloropropene	U		17	48	µg/Kg-dry	1	4/25/2014 11:06
Cyclohexane	U		22	48	µg/Kg-dry	1	4/25/2014 11:06
Dibromochloromethane	U		8.9	48	µg/Kg-dry	1	4/25/2014 11:06
Dichlorodifluoromethane	U		22	48	µg/Kg-dry	1	4/25/2014 11:06
Ethylbenzene	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
Isopropylbenzene	U		21	48	µg/Kg-dry	1	4/25/2014 11:06
Methyl acetate	**150**	J	**65**	**320**	**µg/Kg-dry**	1	4/25/2014 11:06
Methyl tert-butyl ether	U		20	48	µg/Kg-dry	1	4/25/2014 11:06
Methylcyclohexane	U		22	48	µg/Kg-dry	1	4/25/2014 11:06
Methylene chloride	U		19	48	µg/Kg-dry	1	4/25/2014 11:06
Styrene	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
Tetrachloroethene	U		22	48	µg/Kg-dry	1	4/25/2014 11:06
Toluene	U		18	48	µg/Kg-dry	1	4/25/2014 11:06
trans-1,2-Dichloroethene	U		15	48	µg/Kg-dry	1	4/25/2014 11:06
trans-1,3-Dichloropropene	U		16	48	µg/Kg-dry	1	4/25/2014 11:06
Trichloroethene	U		23	48	µg/Kg-dry	1	4/25/2014 11:06
Trichlorofluoromethane	U		13	48	µg/Kg-dry	1	4/25/2014 11:06
Vinyl chloride	U		22	48	µg/Kg-dry	1	4/25/2014 11:06
Xylenes, Total	U		57	150	µg/Kg-dry	1	4/25/2014 11:06
Surr: 1,2-Dichloroethane-d4	*96.0*			*70-130*	*%REC*	1	4/25/2014 11:06
Surr: 4-Bromofluorobenzene	*87.5*			*70-130*	*%REC*	1	4/25/2014 11:06
Surr: Dibromofluoromethane	*97.4*			*70-130*	*%REC*	1	4/25/2014 11:06
Surr: Toluene-d8	*98.0*			*70-130*	*%REC*	1	4/25/2014 11:06
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**38**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-021
Collection Date: 4/14/2014 11:45 AM

Work Order: 1404759
Lab ID: 1404759-21
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		53	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1221	U		53	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1232	U		53	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1242	U		53	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1248	U		53	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1254	U		34	94	µg/Kg-dry	1	4/18/2014 18:25
Aroclor 1260	**560**		**34**	**94**	**µg/Kg-dry**	1	4/18/2014 18:25
Surr: Decachlorobiphenyl	*98.1*			*40-140*	*%REC*	1	4/18/2014 18:25
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.17**		**0.00092**	**0.046**	**mg/Kg-dry**	1	4/28/2014 10:06
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**3.0**		**0.0084**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Arsenic	**7.6**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Barium	**75**		**0.059**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Beryllium	**0.83**	J	**0.017**	**0.84**	**mg/Kg-dry**	5	4/26/2014 09:15
Cadmium	**1.2**		**0.0084**	**0.84**	**mg/Kg-dry**	5	4/26/2014 09:15
Chromium	**17**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Cobalt	**5.7**		**0.0084**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Copper	**61**		**0.41**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Iron	**25,000**		**7.0**	**34**	**mg/Kg-dry**	5	4/26/2014 09:15
Lead	**160**		**0.0084**	**2.1**	**mg/Kg-dry**	5	4/26/2014 20:31
Manganese	**270**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Molybdenum	**2.9**		**0.093**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Nickel	**26**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Selenium	**1.3**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Silver	**0.081**	J	**0.0084**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Thallium	**0.20**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/26/2014 20:31
Vanadium	**14**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:15
Zinc	**140**		**0.18**	**4.2**	**mg/Kg-dry**	5	4/26/2014 09:15
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		31	75	µg/Kg-dry	10	4/23/2014 08:15
Acenaphthene	U		11	75	µg/Kg-dry	10	4/23/2014 08:15
Acenaphthylene	**1,200**		**14**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-021
Collection Date: 4/14/2014 11:45 AM

Work Order: 1404759
Lab ID: 1404759-21
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**2,500**		**15**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Benzo(a)anthracene	**3,500**		**15**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Benzo(a)pyrene	**4,000**		**24**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Benzo(b)fluoranthene	**6,400**		**22**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Benzo(g,h,i)perylene	**1,600**		**29**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Benzo(k)fluoranthene	**2,500**		**16**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Chrysene	**4,100**		**18**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Dibenzo(a,h)anthracene	**740**		**28**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Fluoranthene	**10,000**		**26**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Fluorene	**1,200**		**25**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Indeno(1,2,3-cd)pyrene	**2,400**		**25**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Naphthalene	U		28	75	µg/Kg-dry	10	4/23/2014 08:15
Phenanthrene	**6,200**		**15**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Pyrene	**5,100**		**25**	**75**	**µg/Kg-dry**	10	4/23/2014 08:15
Surr: 2-Fluorobiphenyl	*50.6*			*12-100*	*%REC*	10	4/23/2014 08:15
Surr: 4-Terphenyl-d14	*76.0*			*25-137*	*%REC*	10	4/23/2014 08:15
Surr: Nitrobenzene-d5	*52.0*			*37-107*	*%REC*	10	4/23/2014 08:15
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57907							
1,1,1-Trichloroethane	U		19	50	µg/Kg-dry	1	4/25/2014 18:35
1,1,2,2-Tetrachloroethane	U		22	50	µg/Kg-dry	1	4/25/2014 18:35
1,1,2-Trichloroethane	U		18	50	µg/Kg-dry	1	4/25/2014 18:35
1,1,2-Trichlorotrifluoroethane	U		19	50	µg/Kg-dry	1	4/25/2014 18:35
1,1-Dichloroethane	U		18	50	µg/Kg-dry	1	4/25/2014 18:35
1,1-Dichloroethene	U		21	50	µg/Kg-dry	1	4/25/2014 18:35
1,2,4-Trichlorobenzene	U		26	50	µg/Kg-dry	1	4/25/2014 18:35
1,2-Dibromo-3-chloropropane	U		24	50	µg/Kg-dry	1	4/25/2014 18:35
1,2-Dibromoethane	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
1,2-Dichlorobenzene	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
1,2-Dichloroethane	U		24	50	µg/Kg-dry	1	4/25/2014 18:35
1,2-Dichloropropane	U		17	50	µg/Kg-dry	1	4/25/2014 18:35
1,3-Dichlorobenzene	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
1,4-Dichlorobenzene	U		19	50	µg/Kg-dry	1	4/25/2014 18:35
2-Butanone	U		120	330	µg/Kg-dry	1	4/25/2014 18:35
2-Hexanone	U		12	50	µg/Kg-dry	1	4/25/2014 18:35
4-Methyl-2-pentanone	U		17	50	µg/Kg-dry	1	4/25/2014 18:35
Acetone	U		110	170	µg/Kg-dry	1	4/25/2014 18:35
Benzene	**490**		**20**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
Bromodichloromethane	U		11	50	µg/Kg-dry	1	4/25/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-021
Collection Date: 4/14/2014 11:45 AM

Work Order: 1404759
Lab ID: 1404759-21
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		9.9	50	µg/Kg-dry	1	4/25/2014 18:35
Bromomethane	U		19	130	µg/Kg-dry	1	4/25/2014 18:35
Carbon disulfide	U		25	50	µg/Kg-dry	1	4/25/2014 18:35
Carbon tetrachloride	U		14	50	µg/Kg-dry	1	4/25/2014 18:35
Chlorobenzene	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
Chloroethane	U		110	170	µg/Kg-dry	1	4/25/2014 18:35
Chloroform	U		21	50	µg/Kg-dry	1	4/25/2014 18:35
Chloromethane	U		28	170	µg/Kg-dry	1	4/25/2014 18:35
cis-1,2-Dichloroethene	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
cis-1,3-Dichloropropene	U		17	50	µg/Kg-dry	1	4/25/2014 18:35
Cyclohexane	**320**		**22**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
Dibromochloromethane	U		9.3	50	µg/Kg-dry	1	4/25/2014 18:35
Dichlorodifluoromethane	U		23	50	µg/Kg-dry	1	4/25/2014 18:35
Ethylbenzene	**170**		**19**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
Isopropylbenzene	**110**		**22**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
Methyl acetate	**420**		**67**	**330**	**µg/Kg-dry**	1	4/25/2014 18:35
Methyl tert-butyl ether	U		21	50	µg/Kg-dry	1	4/25/2014 18:35
Methylcyclohexane	**1,000**		**23**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
Methylene chloride	U		20	50	µg/Kg-dry	1	4/25/2014 18:35
Styrene	U		19	50	µg/Kg-dry	1	4/25/2014 18:35
Tetrachloroethene	U		22	50	µg/Kg-dry	1	4/25/2014 18:35
Toluene	**1,000**		**19**	**50**	**µg/Kg-dry**	1	4/25/2014 18:35
trans-1,2-Dichloroethene	U		15	50	µg/Kg-dry	1	4/25/2014 18:35
trans-1,3-Dichloropropene	U		17	50	µg/Kg-dry	1	4/25/2014 18:35
Trichloroethene	U		23	50	µg/Kg-dry	1	4/25/2014 18:35
Trichlorofluoromethane	U		14	50	µg/Kg-dry	1	4/25/2014 18:35
Vinyl chloride	U		23	50	µg/Kg-dry	1	4/25/2014 18:35
Xylenes, Total	**1,200**		**59**	**150**	**µg/Kg-dry**	1	4/25/2014 18:35
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-130*	*%REC*	1	4/25/2014 18:35
Surr: 4-Bromofluorobenzene	*89.0*			*70-130*	*%REC*	1	4/25/2014 18:35
Surr: Dibromofluoromethane	*97.7*			*70-130*	*%REC*	1	4/25/2014 18:35
Surr: Toluene-d8	*99.4*			*70-130*	*%REC*	1	4/25/2014 18:35
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**11**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-022
Collection Date: 4/14/2014 11:47 AM

Work Order: 1404759
Lab ID: 1404759-22
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		54	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1221	U		54	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1232	U		54	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1242	U		54	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1248	U		54	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1254	U		35	95	µg/Kg-dry	1	4/18/2014 18:41
Aroclor 1260	U		35	95	µg/Kg-dry	1	4/18/2014 18:41
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/18/2014 18:41
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.068**		**0.00083**	**0.041**	**mg/Kg-dry**	1	4/28/2014 10:08
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**20**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Arsenic	**5.4**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Barium	**360**		**0.059**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Beryllium	**0.49**	J	**0.017**	**0.85**	**mg/Kg-dry**	5	4/26/2014 09:21
Cadmium	**3.4**		**0.0085**	**0.85**	**mg/Kg-dry**	5	4/26/2014 09:21
Chromium	**17**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Cobalt	**3.6**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Copper	**95**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Iron	**22,000**		**7.1**	**34**	**mg/Kg-dry**	5	4/26/2014 09:21
Lead	**160**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 20:37
Manganese	**240**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Molybdenum	**1.8**	J	**0.093**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Nickel	**20**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Selenium	**1.2**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Silver	U		0.0085	2.1	mg/Kg-dry	5	4/26/2014 09:21
Thallium	**0.098**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/26/2014 20:37
Vanadium	**16**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 09:21
Zinc	**150**		**0.18**	**4.2**	**mg/Kg-dry**	5	4/26/2014 09:21
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	**1,500**		**31**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Acenaphthene	**8,000**		**11**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Acenaphthylene	U		13	74	µg/Kg-dry	10	4/23/2014 08:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-022
Collection Date: 4/14/2014 11:47 AM

Work Order: 1404759
Lab ID: 1404759-22
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**22,000**		**15**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Benzo(g,h,i)perylene	**8,100**		**29**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Benzo(k)fluoranthene	**16,000**		**16**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Dibenzo(a,h)anthracene	**5,100**		**28**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Fluorene	**13,000**		**25**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Indeno(1,2,3-cd)pyrene	**13,000**		**25**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Naphthalene	**2,200**		**27**	**74**	**µg/Kg-dry**	10	4/23/2014 08:36
Surr: 2-Fluorobiphenyl	*50.0*			*12-100*	*%REC*	10	4/23/2014 08:36
Surr: 4-Terphenyl-d14	*64.2*			*25-137*	*%REC*	10	4/23/2014 08:36
Surr: Nitrobenzene-d5	*53.2*			*37-107*	*%REC*	10	4/23/2014 08:36
BatchID: 57822							
Benzo(a)anthracene	**43,000**		**370**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Benzo(a)pyrene	**37,000**		**600**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Benzo(b)fluoranthene	**44,000**		**540**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Chrysene	**42,000**		**440**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Fluoranthene	**94,000**		**650**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Phenanthrene	**83,000**		**370**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
Pyrene	**69,000**		**630**	**1,900**	**µg/Kg-dry**	250	4/24/2014 11:36
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57907							
1,1,1-Trichloroethane	U		23	61	µg/Kg-dry	1	4/25/2014 19:01
1,1,2,2-Tetrachloroethane	U		27	61	µg/Kg-dry	1	4/25/2014 19:01
1,1,2-Trichloroethane	U		21	61	µg/Kg-dry	1	4/25/2014 19:01
1,1,2-Trichlorotrifluoroethane	U		22	61	µg/Kg-dry	1	4/25/2014 19:01
1,1-Dichloroethane	U		22	61	µg/Kg-dry	1	4/25/2014 19:01
1,1-Dichloroethene	U		26	61	µg/Kg-dry	1	4/25/2014 19:01
1,2,4-Trichlorobenzene	U		31	61	µg/Kg-dry	1	4/25/2014 19:01
1,2-Dibromo-3-chloropropane	U		30	61	µg/Kg-dry	1	4/25/2014 19:01
1,2-Dibromoethane	U		24	61	µg/Kg-dry	1	4/25/2014 19:01
1,2-Dichlorobenzene	U		24	61	µg/Kg-dry	1	4/25/2014 19:01
1,2-Dichloroethane	U		29	61	µg/Kg-dry	1	4/25/2014 19:01
1,2-Dichloropropane	U		20	61	µg/Kg-dry	1	4/25/2014 19:01
1,3-Dichlorobenzene	U		24	61	µg/Kg-dry	1	4/25/2014 19:01
1,4-Dichlorobenzene	U		23	61	µg/Kg-dry	1	4/25/2014 19:01
2-Butanone	**260**	J	**150**	**410**	**µg/Kg-dry**	1	4/25/2014 19:01
2-Hexanone	U		15	61	µg/Kg-dry	1	4/25/2014 19:01
4-Methyl-2-pentanone	U		21	61	µg/Kg-dry	1	4/25/2014 19:01
Acetone	**310**		**130**	**200**	**µg/Kg-dry**	1	4/25/2014 19:01
Benzene	**2,000**		**24**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-022
Collection Date: 4/14/2014 11:47 AM

Work Order: 1404759
Lab ID: 1404759-22
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		14	61	µg/Kg-dry	1	4/25/2014 19:01
Bromoform	U		12	61	µg/Kg-dry	1	4/25/2014 19:01
Bromomethane	U		23	150	µg/Kg-dry	1	4/25/2014 19:01
Carbon disulfide	**67**		**30**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
Carbon tetrachloride	U		17	61	µg/Kg-dry	1	4/25/2014 19:01
Chlorobenzene	U		25	61	µg/Kg-dry	1	4/25/2014 19:01
Chloroethane	U		130	200	µg/Kg-dry	1	4/25/2014 19:01
Chloroform	U		25	61	µg/Kg-dry	1	4/25/2014 19:01
Chloromethane	U		34	200	µg/Kg-dry	1	4/25/2014 19:01
cis-1,2-Dichloroethene	U		25	61	µg/Kg-dry	1	4/25/2014 19:01
cis-1,3-Dichloropropene	U		21	61	µg/Kg-dry	1	4/25/2014 19:01
Cyclohexane	**1,200**		**27**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
Dibromochloromethane	U		11	61	µg/Kg-dry	1	4/25/2014 19:01
Dichlorodifluoromethane	U		27	61	µg/Kg-dry	1	4/25/2014 19:01
Ethylbenzene	**1,200**		**23**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
Isopropylbenzene	**730**		**26**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
Methyl acetate	**390**	J	**82**	**410**	**µg/Kg-dry**	1	4/25/2014 19:01
Methyl tert-butyl ether	U		26	61	µg/Kg-dry	1	4/25/2014 19:01
Methylcyclohexane	**4,600**		**28**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
Methylene chloride	U		24	61	µg/Kg-dry	1	4/25/2014 19:01
Styrene	U		23	61	µg/Kg-dry	1	4/25/2014 19:01
Tetrachloroethene	U		27	61	µg/Kg-dry	1	4/25/2014 19:01
Toluene	**6,700**		**23**	**61**	**µg/Kg-dry**	1	4/25/2014 19:01
trans-1,2-Dichloroethene	U		19	61	µg/Kg-dry	1	4/25/2014 19:01
trans-1,3-Dichloropropene	U		20	61	µg/Kg-dry	1	4/25/2014 19:01
Trichloroethene	U		28	61	µg/Kg-dry	1	4/25/2014 19:01
Trichlorofluoromethane	U		17	61	µg/Kg-dry	1	4/25/2014 19:01
Vinyl chloride	U		27	61	µg/Kg-dry	1	4/25/2014 19:01
Xylenes, Total	**7,000**		**72**	**180**	**µg/Kg-dry**	1	4/25/2014 19:01
Surr: 1,2-Dichloroethane-d4	*94.8*			*70-130*	*%REC*	1	4/25/2014 19:01
Surr: 4-Bromofluorobenzene	*91.8*			*70-130*	*%REC*	1	4/25/2014 19:01
Surr: Dibromofluoromethane	*97.5*			*70-130*	*%REC*	1	4/25/2014 19:01
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/25/2014 19:01
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**13**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-023
Collection Date: 4/14/2014 11:50 AM

Work Order: 1404759
Lab ID: 1404759-23
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/18/14		Analyst: **JD**
BatchID: 57692							
Aroclor 1016	U		55	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1221	U		55	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1232	U		55	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1242	U		55	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1248	U		55	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1254	U		36	97	µg/Kg-dry	1	4/18/2014 18:57
Aroclor 1260	U		36	97	µg/Kg-dry	1	4/18/2014 18:57
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/18/2014 18:57
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.033**	J	**0.0012**	**0.059**	**mg/Kg-dry**	1	4/28/2014 10:11
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**110**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Arsenic	**8.8**		**0.33**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Barium	**35**		**0.067**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Beryllium	**0.43**	J	**0.019**	**0.96**	**mg/Kg-dry**	5	4/26/2014 09:27
Cadmium	**38**		**0.0096**	**0.96**	**mg/Kg-dry**	5	4/26/2014 09:27
Chromium	**8.4**		**0.39**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Cobalt	**4.9**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Copper	**44**		**0.47**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Iron	**25,000**		**8.0**	**38**	**mg/Kg-dry**	5	4/26/2014 09:27
Lead	**650**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 21:00
Manganese	**36**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Molybdenum	**2.8**		**0.11**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Nickel	**12**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Selenium	**1.2**	J	**0.31**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Silver	**0.053**	J	**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Thallium	**0.20**	J	**0.058**	**2.4**	**mg/Kg-dry**	5	4/26/2014 21:00
Vanadium	**12**		**0.14**	**2.4**	**mg/Kg-dry**	5	4/26/2014 09:27
Zinc	**12**		**0.20**	**4.8**	**mg/Kg-dry**	5	4/26/2014 09:27
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		33	79	µg/Kg-dry	10	4/23/2014 08:57
Acenaphthene	U		12	79	µg/Kg-dry	10	4/23/2014 08:57
Acenaphthylene	U		14	79	µg/Kg-dry	10	4/23/2014 08:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-023
Collection Date: 4/14/2014 11:50 AM

Work Order: 1404759
Lab ID: 1404759-23
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		16	79	µg/Kg-dry	10	4/23/2014 08:57
Benzo(a)anthracene	**960**		**16**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Benzo(a)pyrene	**1,000**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Benzo(b)fluoranthene	**1,100**		**23**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Benzo(g,h,i)perylene	**900**		**31**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Benzo(k)fluoranthene	**700**		**17**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Chrysene	**710**		**19**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Dibenzo(a,h)anthracene	**340**		**30**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Fluoranthene	**680**		**28**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Fluorene	U		27	79	µg/Kg-dry	10	4/23/2014 08:57
Indeno(1,2,3-cd)pyrene	**810**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Naphthalene	U		29	79	µg/Kg-dry	10	4/23/2014 08:57
Phenanthrene	U		16	79	µg/Kg-dry	10	4/23/2014 08:57
Pyrene	**370**		**27**	**79**	**µg/Kg-dry**	10	4/23/2014 08:57
Surr: 2-Fluorobiphenyl	*54.4*			*12-100*	*%REC*	10	4/23/2014 08:57
Surr: 4-Terphenyl-d14	*81.6*			*25-137*	*%REC*	10	4/23/2014 08:57
Surr: Nitrobenzene-d5	*59.8*			*37-107*	*%REC*	10	4/23/2014 08:57
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57907							
1,1,1-Trichloroethane	U		33	86	µg/Kg-dry	1	4/25/2014 19:27
1,1,2,2-Tetrachloroethane	U		38	86	µg/Kg-dry	1	4/25/2014 19:27
1,1,2-Trichloroethane	U		30	86	µg/Kg-dry	1	4/25/2014 19:27
1,1,2-Trichlorotrifluoroethane	U		32	86	µg/Kg-dry	1	4/25/2014 19:27
1,1-Dichloroethane	U		31	86	µg/Kg-dry	1	4/25/2014 19:27
1,1-Dichloroethene	U		36	86	µg/Kg-dry	1	4/25/2014 19:27
1,2,4-Trichlorobenzene	U		44	86	µg/Kg-dry	1	4/25/2014 19:27
1,2-Dibromo-3-chloropropane	U		42	86	µg/Kg-dry	1	4/25/2014 19:27
1,2-Dibromoethane	U		34	86	µg/Kg-dry	1	4/25/2014 19:27
1,2-Dichlorobenzene	U		34	86	µg/Kg-dry	1	4/25/2014 19:27
1,2-Dichloroethane	U		41	86	µg/Kg-dry	1	4/25/2014 19:27
1,2-Dichloropropane	U		28	86	µg/Kg-dry	1	4/25/2014 19:27
1,3-Dichlorobenzene	U		34	86	µg/Kg-dry	1	4/25/2014 19:27
1,4-Dichlorobenzene	U		33	86	µg/Kg-dry	1	4/25/2014 19:27
2-Butanone	U		210	570	µg/Kg-dry	1	4/25/2014 19:27
2-Hexanone	U		21	86	µg/Kg-dry	1	4/25/2014 19:27
4-Methyl-2-pentanone	U		29	86	µg/Kg-dry	1	4/25/2014 19:27
Acetone	**230**	J	**180**	**290**	**µg/Kg-dry**	1	4/25/2014 19:27
Benzene	U		34	86	µg/Kg-dry	1	4/25/2014 19:27
Bromodichloromethane	U		19	86	µg/Kg-dry	1	4/25/2014 19:27

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-023
Collection Date: 4/14/2014 11:50 AM

Work Order: 1404759
Lab ID: 1404759-23
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		17	86	µg/Kg-dry	1	4/25/2014 19:27
Bromomethane	U		33	210	µg/Kg-dry	1	4/25/2014 19:27
Carbon disulfide	U		43	86	µg/Kg-dry	1	4/25/2014 19:27
Carbon tetrachloride	U		24	86	µg/Kg-dry	1	4/25/2014 19:27
Chlorobenzene	U		35	86	µg/Kg-dry	1	4/25/2014 19:27
Chloroethane	U		180	290	µg/Kg-dry	1	4/25/2014 19:27
Chloroform	U		35	86	µg/Kg-dry	1	4/25/2014 19:27
Chloromethane	U		48	290	µg/Kg-dry	1	4/25/2014 19:27
cis-1,2-Dichloroethene	U		35	86	µg/Kg-dry	1	4/25/2014 19:27
cis-1,3-Dichloropropene	U		29	86	µg/Kg-dry	1	4/25/2014 19:27
Cyclohexane	**310**		**39**	**86**	**µg/Kg-dry**	1	4/25/2014 19:27
Dibromochloromethane	U		16	86	µg/Kg-dry	1	4/25/2014 19:27
Dichlorodifluoromethane	U		39	86	µg/Kg-dry	1	4/25/2014 19:27
Ethylbenzene	**70**	J	**32**	**86**	**µg/Kg-dry**	1	4/25/2014 19:27
Isopropylbenzene	**49**	J	**37**	**86**	**µg/Kg-dry**	1	4/25/2014 19:27
Methyl acetate	**640**		**120**	**570**	**µg/Kg-dry**	1	4/25/2014 19:27
Methyl tert-butyl ether	U		36	86	µg/Kg-dry	1	4/25/2014 19:27
Methylcyclohexane	**1,000**		**40**	**86**	**µg/Kg-dry**	1	4/25/2014 19:27
Methylene chloride	U		34	86	µg/Kg-dry	1	4/25/2014 19:27
Styrene	U		32	86	µg/Kg-dry	1	4/25/2014 19:27
Tetrachloroethene	U		38	86	µg/Kg-dry	1	4/25/2014 19:27
Toluene	**240**		**32**	**86**	**µg/Kg-dry**	1	4/25/2014 19:27
trans-1,2-Dichloroethene	U		26	86	µg/Kg-dry	1	4/25/2014 19:27
trans-1,3-Dichloropropene	U		29	86	µg/Kg-dry	1	4/25/2014 19:27
Trichloroethene	U		40	86	µg/Kg-dry	1	4/25/2014 19:27
Trichlorofluoromethane	U		24	86	µg/Kg-dry	1	4/25/2014 19:27
Vinyl chloride	U		39	86	µg/Kg-dry	1	4/25/2014 19:27
Xylenes, Total	**730**		**100**	**260**	**µg/Kg-dry**	1	4/25/2014 19:27
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-130*	*%REC*	1	4/25/2014 19:27
Surr: 4-Bromofluorobenzene	*91.4*			*70-130*	*%REC*	1	4/25/2014 19:27
Surr: Dibromofluoromethane	*97.0*			*70-130*	*%REC*	1	4/25/2014 19:27
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	4/25/2014 19:27
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**16**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-024
Collection Date: 4/14/2014 11:52 AM

Work Order: 1404759
Lab ID: 1404759-24
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/22/2014 19:41
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/22/2014 19:41
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/22/2014 19:41
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0019**	J	**0.00099**	**0.050**	**mg/Kg-dry**	1	4/28/2014 10:13
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.11**	J	**0.0091**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Arsenic	**2.3**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Barium	**53**		**0.064**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Beryllium	**0.090**	J	**0.018**	**0.91**	**mg/Kg-dry**	5	4/26/2014 11:05
Cadmium	**0.085**	J	**0.0091**	**0.91**	**mg/Kg-dry**	5	4/26/2014 11:05
Chromium	**5.8**		**0.37**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Cobalt	**1.6**	J	**0.0091**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Copper	**4.6**		**0.45**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Iron	**4,300**		**7.6**	**37**	**mg/Kg-dry**	5	4/26/2014 11:05
Lead	**2.4**		**0.0091**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Manganese	**56**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Molybdenum	**0.78**	J	**0.10**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Nickel	**4.1**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Selenium	**0.84**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Silver	**0.010**	J	**0.0091**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Thallium	**0.092**	J	**0.055**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Vanadium	**8.5**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 11:05
Zinc	**8.0**		**0.19**	**4.6**	**mg/Kg-dry**	5	4/26/2014 11:05
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.4	8.1	µg/Kg-dry	1	4/23/2014 09:17
Acenaphthene	U		1.2	8.1	µg/Kg-dry	1	4/23/2014 09:17
Acenaphthylene	U		1.5	8.1	µg/Kg-dry	1	4/23/2014 09:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-024
Collection Date: 4/14/2014 11:52 AM

Work Order: 1404759
Lab ID: 1404759-24
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.6	8.1	µg/Kg-dry	1	4/23/2014 09:17
Benzo(a)anthracene	U		1.6	8.1	µg/Kg-dry	1	4/23/2014 09:17
Benzo(a)pyrene	U		2.6	8.1	µg/Kg-dry	1	4/23/2014 09:17
Benzo(b)fluoranthene	U		2.4	8.1	µg/Kg-dry	1	4/23/2014 09:17
Benzo(g,h,i)perylene	U		3.2	8.1	µg/Kg-dry	1	4/23/2014 09:17
Benzo(k)fluoranthene	U		1.7	8.1	µg/Kg-dry	1	4/23/2014 09:17
Chrysene	U		1.9	8.1	µg/Kg-dry	1	4/23/2014 09:17
Dibenzo(a,h)anthracene	U		3.0	8.1	µg/Kg-dry	1	4/23/2014 09:17
Fluoranthene	U		2.8	8.1	µg/Kg-dry	1	4/23/2014 09:17
Fluorene	U		2.7	8.1	µg/Kg-dry	1	4/23/2014 09:17
Indeno(1,2,3-cd)pyrene	U		2.7	8.1	µg/Kg-dry	1	4/23/2014 09:17
Naphthalene	U		3.0	8.1	µg/Kg-dry	1	4/23/2014 09:17
Phenanthrene	U		1.6	8.1	µg/Kg-dry	1	4/23/2014 09:17
Pyrene	U		2.7	8.1	µg/Kg-dry	1	4/23/2014 09:17
Surr: 2-Fluorobiphenyl	*39.6*			*12-100*	*%REC*	1	4/23/2014 09:17
Surr: 4-Terphenyl-d14	*72.0*			*25-137*	*%REC*	1	4/23/2014 09:17
Surr: Nitrobenzene-d5	*39.2*			*37-107*	*%REC*	1	4/23/2014 09:17
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57907							
1,1,1-Trichloroethane	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
1,1,2,2-Tetrachloroethane	U		16	37	µg/Kg-dry	1	4/25/2014 19:53
1,1,2-Trichloroethane	U		13	37	µg/Kg-dry	1	4/25/2014 19:53
1,1,2-Trichlorotrifluoroethane	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
1,1-Dichloroethane	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
1,1-Dichloroethene	U		16	37	µg/Kg-dry	1	4/25/2014 19:53
1,2,4-Trichlorobenzene	U		19	37	µg/Kg-dry	1	4/25/2014 19:53
1,2-Dibromo-3-chloropropane	U		18	37	µg/Kg-dry	1	4/25/2014 19:53
1,2-Dibromoethane	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
1,2-Dichlorobenzene	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
1,2-Dichloroethane	U		18	37	µg/Kg-dry	1	4/25/2014 19:53
1,2-Dichloropropane	U		12	37	µg/Kg-dry	1	4/25/2014 19:53
1,3-Dichlorobenzene	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
1,4-Dichlorobenzene	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
2-Butanone	U		93	250	µg/Kg-dry	1	4/25/2014 19:53
2-Hexanone	U		9.2	37	µg/Kg-dry	1	4/25/2014 19:53
4-Methyl-2-pentanone	U		13	37	µg/Kg-dry	1	4/25/2014 19:53
Acetone	U		79	120	µg/Kg-dry	1	4/25/2014 19:53
Benzene	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
Bromodichloromethane	U		8.4	37	µg/Kg-dry	1	4/25/2014 19:53

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-024
Collection Date: 4/14/2014 11:52 AM

Work Order: 1404759
Lab ID: 1404759-24
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		7.4	37	µg/Kg-dry	1	4/25/2014 19:53
Bromomethane	U		14	94	µg/Kg-dry	1	4/25/2014 19:53
Carbon disulfide	U		19	37	µg/Kg-dry	1	4/25/2014 19:53
Carbon tetrachloride	U		11	37	µg/Kg-dry	1	4/25/2014 19:53
Chlorobenzene	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
Chloroethane	U		80	120	µg/Kg-dry	1	4/25/2014 19:53
Chloroform	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
Chloromethane	U		21	120	µg/Kg-dry	1	4/25/2014 19:53
cis-1,2-Dichloroethene	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
cis-1,3-Dichloropropene	U		13	37	µg/Kg-dry	1	4/25/2014 19:53
Cyclohexane	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Dibromochloromethane	U		6.9	37	µg/Kg-dry	1	4/25/2014 19:53
Dichlorodifluoromethane	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Ethylbenzene	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
Isopropylbenzene	U		16	37	µg/Kg-dry	1	4/25/2014 19:53
Methyl acetate	**64**	J	**50**	**250**	**µg/Kg-dry**	1	4/25/2014 19:53
Methyl tert-butyl ether	U		16	37	µg/Kg-dry	1	4/25/2014 19:53
Methylcyclohexane	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Methylene chloride	U		15	37	µg/Kg-dry	1	4/25/2014 19:53
Styrene	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
Tetrachloroethene	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Toluene	U		14	37	µg/Kg-dry	1	4/25/2014 19:53
trans-1,2-Dichloroethene	U		12	37	µg/Kg-dry	1	4/25/2014 19:53
trans-1,3-Dichloropropene	U		13	37	µg/Kg-dry	1	4/25/2014 19:53
Trichloroethene	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Trichlorofluoromethane	U		10	37	µg/Kg-dry	1	4/25/2014 19:53
Vinyl chloride	U		17	37	µg/Kg-dry	1	4/25/2014 19:53
Xylenes, Total	U		44	110	µg/Kg-dry	1	4/25/2014 19:53
Surr: 1,2-Dichloroethane-d4	*92.9*			*70-130*	*%REC*	1	4/25/2014 19:53
Surr: 4-Bromofluorobenzene	*88.9*			*70-130*	*%REC*	1	4/25/2014 19:53
Surr: Dibromofluoromethane	*96.6*			*70-130*	*%REC*	1	4/25/2014 19:53
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/25/2014 19:53
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**20**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-025
Collection Date: 4/14/2014 11:55 AM

Work Order: 1404759
Lab ID: 1404759-25
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		51	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1221	U		51	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1232	U		51	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1242	U		51	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1248	U		51	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1254	U		33	90	µg/Kg-dry	1	4/22/2014 19:57
Aroclor 1260	U		33	90	µg/Kg-dry	1	4/22/2014 19:57
Surr: Decachlorobiphenyl	*97.1*			*40-140*	*%REC*	1	4/22/2014 19:57
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	U		0.00072	0.036	mg/Kg-dry	1	4/28/2014 10:15
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**0.076**	J	**0.0083**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Arsenic	**0.79**	J	**0.28**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Barium	**40**		**0.058**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Beryllium	**0.077**	J	**0.017**	**0.83**	**mg/Kg-dry**	5	4/26/2014 11:11
Cadmium	**0.088**	J	**0.0083**	**0.83**	**mg/Kg-dry**	5	4/26/2014 11:11
Chromium	**4.7**		**0.34**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Cobalt	**1.2**	J	**0.0083**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Copper	**3.8**		**0.41**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Iron	**2,700**		**6.9**	**33**	**mg/Kg-dry**	5	4/26/2014 11:11
Lead	**1.7**	J	**0.0083**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Manganese	**41**		**0.18**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Molybdenum	**0.44**	J	**0.091**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Nickel	**3.6**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Selenium	**0.75**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Silver	U		0.0083	2.1	mg/Kg-dry	5	4/26/2014 11:11
Thallium	**0.075**	J	**0.050**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Vanadium	**6.0**		**0.12**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:11
Zinc	**7.9**		**0.17**	**4.2**	**mg/Kg-dry**	5	4/26/2014 11:11
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.0	7.1	µg/Kg-dry	1	4/23/2014 09:38
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/23/2014 09:38
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/23/2014 09:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-025
Collection Date: 4/14/2014 11:55 AM

Work Order: 1404759
Lab ID: 1404759-25
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Benzo(a)anthracene	U		1.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Benzo(a)pyrene	U		2.3	7.1	µg/Kg-dry	1	4/23/2014 09:38
Benzo(b)fluoranthene	U		2.1	7.1	µg/Kg-dry	1	4/23/2014 09:38
Benzo(g,h,i)perylene	U		2.8	7.1	µg/Kg-dry	1	4/23/2014 09:38
Benzo(k)fluoranthene	U		1.5	7.1	µg/Kg-dry	1	4/23/2014 09:38
Chrysene	U		1.7	7.1	µg/Kg-dry	1	4/23/2014 09:38
Dibenzo(a,h)anthracene	U		2.7	7.1	µg/Kg-dry	1	4/23/2014 09:38
Fluoranthene	U		2.5	7.1	µg/Kg-dry	1	4/23/2014 09:38
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Indeno(1,2,3-cd)pyrene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Naphthalene	U		2.6	7.1	µg/Kg-dry	1	4/23/2014 09:38
Phenanthrene	U		1.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Pyrene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 09:38
Surr: 2-Fluorobiphenyl	*52.8*			*12-100*	*%REC*	1	4/23/2014 09:38
Surr: 4-Terphenyl-d14	*78.8*			*25-137*	*%REC*	1	4/23/2014 09:38
Surr: Nitrobenzene-d5	*52.9*			*37-107*	*%REC*	1	4/23/2014 09:38
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 20:19
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
1,1-Dichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 20:19
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/25/2014 20:19
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/25/2014 20:19
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/25/2014 20:19
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/25/2014 20:19
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
2-Butanone	U		84	230	µg/Kg-dry	1	4/25/2014 20:19
2-Hexanone	U		8.4	34	µg/Kg-dry	1	4/25/2014 20:19
4-Methyl-2-pentanone	U		12	34	µg/Kg-dry	1	4/25/2014 20:19
Acetone	U		72	110	µg/Kg-dry	1	4/25/2014 20:19
Benzene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
Bromodichloromethane	U		7.6	34	µg/Kg-dry	1	4/25/2014 20:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-025
Collection Date: 4/14/2014 11:55 AM

Work Order: 1404759
Lab ID: 1404759-25
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.7	34	µg/Kg-dry	1	4/25/2014 20:19
Bromomethane	U		13	85	µg/Kg-dry	1	4/25/2014 20:19
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/25/2014 20:19
Carbon tetrachloride	U		9.7	34	µg/Kg-dry	1	4/25/2014 20:19
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
Chloroethane	U		72	110	µg/Kg-dry	1	4/25/2014 20:19
Chloroform	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
Chloromethane	U		19	110	µg/Kg-dry	1	4/25/2014 20:19
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/25/2014 20:19
Cyclohexane	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
Dibromochloromethane	U		6.3	34	µg/Kg-dry	1	4/25/2014 20:19
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
Ethylbenzene	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
Methyl acetate	**290**		**46**	**230**	**µg/Kg-dry**	1	4/25/2014 20:19
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/25/2014 20:19
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/25/2014 20:19
Methylene chloride	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
Styrene	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
Toluene	U		13	34	µg/Kg-dry	1	4/25/2014 20:19
trans-1,2-Dichloroethene	U		10	34	µg/Kg-dry	1	4/25/2014 20:19
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/25/2014 20:19
Trichloroethene	U		16	34	µg/Kg-dry	1	4/25/2014 20:19
Trichlorofluoromethane	U		9.4	34	µg/Kg-dry	1	4/25/2014 20:19
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/25/2014 20:19
Xylenes, Total	U		40	100	µg/Kg-dry	1	4/25/2014 20:19
Surr: 1,2-Dichloroethane-d4	*94.6*			*70-130*	*%REC*	1	4/25/2014 20:19
Surr: 4-Bromofluorobenzene	*88.0*			*70-130*	*%REC*	1	4/25/2014 20:19
Surr: Dibromofluoromethane	*97.2*			*70-130*	*%REC*	1	4/25/2014 20:19
Surr: Toluene-d8	*97.8*			*70-130*	*%REC*	1	4/25/2014 20:19
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**8.8**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-026
Collection Date: 4/14/2014 12:10 PM

Work Order: 1404759
Lab ID: 1404759-26
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		58	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1221	U		58	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1232	U		58	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1242	U		58	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1248	U		58	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1254	U		38	100	µg/Kg-dry	1	4/22/2014 20:13
Aroclor 1260	U		38	100	µg/Kg-dry	1	4/22/2014 20:13
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/22/2014 20:13
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.099**		**0.0010**	**0.052**	**mg/Kg-dry**	1	4/28/2014 10:17
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/21/14		Analyst: **ML**
BatchID: 57824							
Antimony	**13**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Arsenic	**24**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Barium	**52**		**0.060**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Beryllium	**1.1**		**0.017**	**0.85**	**mg/Kg-dry**	5	4/26/2014 11:17
Cadmium	**2.1**		**0.0085**	**0.85**	**mg/Kg-dry**	5	4/26/2014 11:17
Chromium	**11**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Cobalt	**6.2**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Copper	**100**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Iron	**35,000**		**7.1**	**34**	**mg/Kg-dry**	5	4/26/2014 11:17
Lead	**180**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Manganese	**97**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Molybdenum	**3.5**		**0.094**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Nickel	**16**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Selenium	**2.6**		**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Silver	**0.064**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Thallium	**0.31**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Vanadium	**22**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 11:17
Zinc	**79**		**0.18**	**4.3**	**mg/Kg-dry**	5	4/26/2014 11:17
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		33	80	µg/Kg-dry	10	4/23/2014 09:58
Acenaphthene	U		12	80	µg/Kg-dry	10	4/23/2014 09:58
Acenaphthylene	U		15	80	µg/Kg-dry	10	4/23/2014 09:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-026
Collection Date: 4/14/2014 12:10 PM

Work Order: 1404759
Lab ID: 1404759-26
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**250**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Benzo(a)anthracene	**790**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Benzo(a)pyrene	**1,400**		**26**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Benzo(b)fluoranthene	**2,100**		**23**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Benzo(g,h,i)perylene	**910**		**31**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Benzo(k)fluoranthene	**900**		**17**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Chrysene	**910**		**19**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Dibenzo(a,h)anthracene	**490**		**30**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Fluoranthene	**860**		**28**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Fluorene	U		27	80	µg/Kg-dry	10	4/23/2014 09:58
Indeno(1,2,3-cd)pyrene	**1,400**		**27**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Naphthalene	U		29	80	µg/Kg-dry	10	4/23/2014 09:58
Phenanthrene	**200**		**16**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Pyrene	**540**		**27**	**80**	**µg/Kg-dry**	10	4/23/2014 09:58
Surr: 2-Fluorobiphenyl	*44.4*			*12-100*	*%REC*	10	4/23/2014 09:58
Surr: 4-Terphenyl-d14	*64.4*			*25-137*	*%REC*	10	4/23/2014 09:58
Surr: Nitrobenzene-d5	*49.6*			*37-107*	*%REC*	10	4/23/2014 09:58
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		30	78	µg/Kg-dry	1	4/25/2014 20:44
1,1,2,2-Tetrachloroethane	U		34	78	µg/Kg-dry	1	4/25/2014 20:44
1,1,2-Trichloroethane	U		28	78	µg/Kg-dry	1	4/25/2014 20:44
1,1,2-Trichlorotrifluoroethane	U		29	78	µg/Kg-dry	1	4/25/2014 20:44
1,1-Dichloroethane	U		29	78	µg/Kg-dry	1	4/25/2014 20:44
1,1-Dichloroethene	U		33	78	µg/Kg-dry	1	4/25/2014 20:44
1,2,4-Trichlorobenzene	U		41	78	µg/Kg-dry	1	4/25/2014 20:44
1,2-Dibromo-3-chloropropane	U		38	78	µg/Kg-dry	1	4/25/2014 20:44
1,2-Dibromoethane	U		31	78	µg/Kg-dry	1	4/25/2014 20:44
1,2-Dichlorobenzene	U		31	78	µg/Kg-dry	1	4/25/2014 20:44
1,2-Dichloroethane	U		37	78	µg/Kg-dry	1	4/25/2014 20:44
1,2-Dichloropropane	U		26	78	µg/Kg-dry	1	4/25/2014 20:44
1,3-Dichlorobenzene	U		31	78	µg/Kg-dry	1	4/25/2014 20:44
1,4-Dichlorobenzene	U		30	78	µg/Kg-dry	1	4/25/2014 20:44
2-Butanone	U		190	520	µg/Kg-dry	1	4/25/2014 20:44
2-Hexanone	U		19	78	µg/Kg-dry	1	4/25/2014 20:44
4-Methyl-2-pentanone	U		27	78	µg/Kg-dry	1	4/25/2014 20:44
Acetone	U		170	260	µg/Kg-dry	1	4/25/2014 20:44
Benzene	**59**	J	**31**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
Bromodichloromethane	U		18	78	µg/Kg-dry	1	4/25/2014 20:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-026
Collection Date: 4/14/2014 12:10 PM

Work Order: 1404759
Lab ID: 1404759-26
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		15	78	µg/Kg-dry	1	4/25/2014 20:44
Bromomethane	U		30	200	µg/Kg-dry	1	4/25/2014 20:44
Carbon disulfide	U		39	78	µg/Kg-dry	1	4/25/2014 20:44
Carbon tetrachloride	U		22	78	µg/Kg-dry	1	4/25/2014 20:44
Chlorobenzene	U		32	78	µg/Kg-dry	1	4/25/2014 20:44
Chloroethane	U		170	260	µg/Kg-dry	1	4/25/2014 20:44
Chloroform	U		32	78	µg/Kg-dry	1	4/25/2014 20:44
Chloromethane	U		44	260	µg/Kg-dry	1	4/25/2014 20:44
cis-1,2-Dichloroethene	U		32	78	µg/Kg-dry	1	4/25/2014 20:44
cis-1,3-Dichloropropene	U		27	78	µg/Kg-dry	1	4/25/2014 20:44
Cyclohexane	**190**		**35**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
Dibromochloromethane	U		15	78	µg/Kg-dry	1	4/25/2014 20:44
Dichlorodifluoromethane	U		35	78	µg/Kg-dry	1	4/25/2014 20:44
Ethylbenzene	**110**		**29**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
Isopropylbenzene	**69**	J	**34**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
Methyl acetate	**1,200**		**110**	**520**	**µg/Kg-dry**	1	4/25/2014 20:44
Methyl tert-butyl ether	U		33	78	µg/Kg-dry	1	4/25/2014 20:44
Methylcyclohexane	**770**		**36**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
Methylene chloride	U		31	78	µg/Kg-dry	1	4/25/2014 20:44
Styrene	U		29	78	µg/Kg-dry	1	4/25/2014 20:44
Tetrachloroethene	U		35	78	µg/Kg-dry	1	4/25/2014 20:44
Toluene	**270**		**29**	**78**	**µg/Kg-dry**	1	4/25/2014 20:44
trans-1,2-Dichloroethene	U		24	78	µg/Kg-dry	1	4/25/2014 20:44
trans-1,3-Dichloropropene	U		26	78	µg/Kg-dry	1	4/25/2014 20:44
Trichloroethene	U		37	78	µg/Kg-dry	1	4/25/2014 20:44
Trichlorofluoromethane	U		22	78	µg/Kg-dry	1	4/25/2014 20:44
Vinyl chloride	U		35	78	µg/Kg-dry	1	4/25/2014 20:44
Xylenes, Total	**730**		**93**	**240**	**µg/Kg-dry**	1	4/25/2014 20:44
Surr: 1,2-Dichloroethane-d4	*94.6*			*70-130*	*%REC*	1	4/25/2014 20:44
Surr: 4-Bromofluorobenzene	*91.8*			*70-130*	*%REC*	1	4/25/2014 20:44
Surr: Dibromofluoromethane	*96.8*			*70-130*	*%REC*	1	4/25/2014 20:44
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/25/2014 20:44
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-027
Collection Date: 4/14/2014 12:12 PM

Work Order: 1404759
Lab ID: 1404759-27
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		57	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1221	U		57	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1232	U		57	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1242	U		57	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1248	U		57	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/22/2014 20:29
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/22/2014 20:29
Surr: Decachlorobiphenyl	*85.1*			*40-140*	*%REC*	1	4/22/2014 20:29
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.018**	J	**0.0011**	**0.053**	**mg/Kg-dry**	1	4/28/2014 10:20
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**2.9**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Arsenic	**13**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Barium	**27**		**0.059**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Beryllium	**0.57**	J	**0.017**	**0.85**	**mg/Kg-dry**	5	4/27/2014 03:32
Cadmium	**0.48**	J	**0.0085**	**0.85**	**mg/Kg-dry**	5	4/27/2014 03:32
Chromium	**6.5**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Cobalt	**3.4**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Copper	**33**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Iron	**34,000**		**7.1**	**34**	**mg/Kg-dry**	5	4/27/2014 03:32
Lead	**81**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/28/2014 00:56
Manganese	**40**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Molybdenum	**2.0**	J	**0.093**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Nickel	**8.0**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Selenium	**1.3**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Silver	**0.026**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Thallium	**0.24**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/28/2014 00:56
Vanadium	**12**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/27/2014 03:32
Zinc	**13**		**0.18**	**4.2**	**mg/Kg-dry**	5	4/27/2014 03:32
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	**100**		**3.3**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Acenaphthene	U		1.2	7.9	µg/Kg-dry	1	4/24/2014 13:18
Acenaphthylene	U		1.4	7.9	µg/Kg-dry	1	4/24/2014 13:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-027
Collection Date: 4/14/2014 12:12 PM

Work Order: 1404759
Lab ID: 1404759-27
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**24**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Benzo(a)anthracene	**96**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Benzo(a)pyrene	**150**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Benzo(b)fluoranthene	**200**		**2.3**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Benzo(g,h,i)perylene	**97**		**3.1**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Benzo(k)fluoranthene	**76**		**1.7**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Chrysene	**98**		**1.9**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Dibenzo(a,h)anthracene	**63**		**2.9**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Fluoranthene	**74**		**2.8**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Fluorene	U		2.7	7.9	µg/Kg-dry	1	4/24/2014 13:18
Indeno(1,2,3-cd)pyrene	**120**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Naphthalene	**73**		**2.9**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Phenanthrene	**94**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Pyrene	**67**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/24/2014 13:18
Surr: 2-Fluorobiphenyl	*57.0*			*12-100*	*%REC*	1	4/24/2014 13:18
Surr: 4-Terphenyl-d14	*75.0*			*25-137*	*%REC*	1	4/24/2014 13:18
Surr: Nitrobenzene-d5	*50.2*			*37-107*	*%REC*	1	4/24/2014 13:18
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		29	76	µg/Kg-dry	1	4/25/2014 21:10
1,1,2,2-Tetrachloroethane	U		33	76	µg/Kg-dry	1	4/25/2014 21:10
1,1,2-Trichloroethane	U		27	76	µg/Kg-dry	1	4/25/2014 21:10
1,1,2-Trichlorotrifluoroethane	U		28	76	µg/Kg-dry	1	4/25/2014 21:10
1,1-Dichloroethane	U		28	76	µg/Kg-dry	1	4/25/2014 21:10
1,1-Dichloroethene	U		32	76	µg/Kg-dry	1	4/25/2014 21:10
1,2,4-Trichlorobenzene	U		39	76	µg/Kg-dry	1	4/25/2014 21:10
1,2-Dibromo-3-chloropropane	U		37	76	µg/Kg-dry	1	4/25/2014 21:10
1,2-Dibromoethane	U		30	76	µg/Kg-dry	1	4/25/2014 21:10
1,2-Dichlorobenzene	U		30	76	µg/Kg-dry	1	4/25/2014 21:10
1,2-Dichloroethane	U		36	76	µg/Kg-dry	1	4/25/2014 21:10
1,2-Dichloropropane	U		25	76	µg/Kg-dry	1	4/25/2014 21:10
1,3-Dichlorobenzene	U		30	76	µg/Kg-dry	1	4/25/2014 21:10
1,4-Dichlorobenzene	U		29	76	µg/Kg-dry	1	4/25/2014 21:10
2-Butanone	**230**	J	**190**	**510**	**µg/Kg-dry**	1	4/25/2014 21:10
2-Hexanone	U		19	76	µg/Kg-dry	1	4/25/2014 21:10
4-Methyl-2-pentanone	U		26	76	µg/Kg-dry	1	4/25/2014 21:10
Acetone	**420**		**160**	**250**	**µg/Kg-dry**	1	4/25/2014 21:10
Benzene	**440**		**30**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
Bromodichloromethane	U		17	76	µg/Kg-dry	1	4/25/2014 21:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-027
Collection Date: 4/14/2014 12:12 PM

Work Order: 1404759
Lab ID: 1404759-27
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		15	76	µg/Kg-dry	1	4/25/2014 21:10
Bromomethane	U		29	190	µg/Kg-dry	1	4/25/2014 21:10
Carbon disulfide	U		38	76	µg/Kg-dry	1	4/25/2014 21:10
Carbon tetrachloride	U		22	76	µg/Kg-dry	1	4/25/2014 21:10
Chlorobenzene	U		31	76	µg/Kg-dry	1	4/25/2014 21:10
Chloroethane	U		160	250	µg/Kg-dry	1	4/25/2014 21:10
Chloroform	U		31	76	µg/Kg-dry	1	4/25/2014 21:10
Chloromethane	U		42	250	µg/Kg-dry	1	4/25/2014 21:10
cis-1,2-Dichloroethene	U		31	76	µg/Kg-dry	1	4/25/2014 21:10
cis-1,3-Dichloropropene	U		26	76	µg/Kg-dry	1	4/25/2014 21:10
Cyclohexane	**1,500**		**34**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
Dibromochloromethane	U		14	76	µg/Kg-dry	1	4/25/2014 21:10
Dichlorodifluoromethane	U		34	76	µg/Kg-dry	1	4/25/2014 21:10
Ethylbenzene	**1,000**		**28**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
Isopropylbenzene	**820**		**33**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
Methyl acetate	**1,300**		**100**	**510**	**µg/Kg-dry**	1	4/25/2014 21:10
Methyl tert-butyl ether	U		32	76	µg/Kg-dry	1	4/25/2014 21:10
Methylcyclohexane	**5,200**		**35**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
Methylene chloride	U		30	76	µg/Kg-dry	1	4/25/2014 21:10
Styrene	U		28	76	µg/Kg-dry	1	4/25/2014 21:10
Tetrachloroethene	U		34	76	µg/Kg-dry	1	4/25/2014 21:10
Toluene	**3,700**		**28**	**76**	**µg/Kg-dry**	1	4/25/2014 21:10
trans-1,2-Dichloroethene	U		23	76	µg/Kg-dry	1	4/25/2014 21:10
trans-1,3-Dichloropropene	U		25	76	µg/Kg-dry	1	4/25/2014 21:10
Trichloroethene	U		35	76	µg/Kg-dry	1	4/25/2014 21:10
Trichlorofluoromethane	U		21	76	µg/Kg-dry	1	4/25/2014 21:10
Vinyl chloride	U		34	76	µg/Kg-dry	1	4/25/2014 21:10
Xylenes, Total	**6,400**		**90**	**230**	**µg/Kg-dry**	1	4/25/2014 21:10
Surr: 1,2-Dichloroethane-d4	*93.6*			*70-130*	*%REC*	1	4/25/2014 21:10
Surr: 4-Bromofluorobenzene	*92.0*			*70-130*	*%REC*	1	4/25/2014 21:10
Surr: Dibromofluoromethane	*97.0*			*70-130*	*%REC*	1	4/25/2014 21:10
Surr: Toluene-d8	*99.8*			*70-130*	*%REC*	1	4/25/2014 21:10
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**17**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-028
Collection Date: 4/14/2014 12:15 PM

Work Order: 1404759
Lab ID: 1404759-28
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		54	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1221	U		54	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1232	U		54	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1242	U		54	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1248	U		54	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1254	U		35	95	µg/Kg-dry	1	4/22/2014 20:46
Aroclor 1260	U		35	95	µg/Kg-dry	1	4/22/2014 20:46
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/22/2014 20:46
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.062**		**0.00097**	**0.049**	**mg/Kg-dry**	1	4/28/2014 10:22
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**1.3**	J	**0.0093**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Arsenic	**8.1**		**0.32**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Barium	**70**		**0.065**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Beryllium	**0.96**		**0.019**	**0.93**	**mg/Kg-dry**	5	4/27/2014 03:38
Cadmium	**0.66**	J	**0.0093**	**0.93**	**mg/Kg-dry**	5	4/27/2014 03:38
Chromium	**7.9**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Cobalt	**5.5**		**0.0093**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Copper	**27**		**0.46**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Iron	**23,000**		**7.8**	**37**	**mg/Kg-dry**	5	4/27/2014 03:38
Lead	**39**		**0.0093**	**2.3**	**mg/Kg-dry**	5	4/28/2014 01:02
Manganese	**280**		**0.21**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Molybdenum	**1.7**	J	**0.10**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Nickel	**28**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Selenium	**2.3**		**0.30**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Silver	**0.028**	J	**0.0093**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Thallium	**0.56**	J	**0.056**	**2.3**	**mg/Kg-dry**	5	4/28/2014 01:02
Vanadium	**17**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:38
Zinc	**70**		**0.20**	**4.7**	**mg/Kg-dry**	5	4/27/2014 03:38
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.3	7.9	µg/Kg-dry	1	4/23/2014 10:39
Acenaphthene	U		1.2	7.9	µg/Kg-dry	1	4/23/2014 10:39
Acenaphthylene	**270**		**1.4**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-028
Collection Date: 4/14/2014 12:15 PM

Work Order: 1404759
Lab ID: 1404759-28
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**88**		**1.5**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Benzo(a)anthracene	**410**		**1.5**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Benzo(a)pyrene	**610**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Benzo(b)fluoranthene	**940**		**2.3**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Benzo(g,h,i)perylene	**250**		**3.1**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Benzo(k)fluoranthene	**390**		**1.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Chrysene	**570**		**1.9**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Dibenzo(a,h)anthracene	**82**		**2.9**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Fluoranthene	**290**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Fluorene	U		2.6	7.9	µg/Kg-dry	1	4/23/2014 10:39
Indeno(1,2,3-cd)pyrene	**280**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Naphthalene	U		2.9	7.9	µg/Kg-dry	1	4/23/2014 10:39
Phenanthrene	**76**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Pyrene	**190**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/23/2014 10:39
Surr: 2-Fluorobiphenyl	*53.1*			*12-100*	*%REC*	1	4/23/2014 10:39
Surr: 4-Terphenyl-d14	*70.9*			*25-137*	*%REC*	1	4/23/2014 10:39
Surr: Nitrobenzene-d5	*51.5*			*37-107*	*%REC*	1	4/23/2014 10:39
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		28	72	µg/Kg-dry	1	4/25/2014 21:35
1,1,2,2-Tetrachloroethane	U		32	72	µg/Kg-dry	1	4/25/2014 21:35
1,1,2-Trichloroethane	U		26	72	µg/Kg-dry	1	4/25/2014 21:35
1,1,2-Trichlorotrifluoroethane	U		27	72	µg/Kg-dry	1	4/25/2014 21:35
1,1-Dichloroethane	U		26	72	µg/Kg-dry	1	4/25/2014 21:35
1,1-Dichloroethene	U		30	72	µg/Kg-dry	1	4/25/2014 21:35
1,2,4-Trichlorobenzene	U		37	72	µg/Kg-dry	1	4/25/2014 21:35
1,2-Dibromo-3-chloropropane	U		35	72	µg/Kg-dry	1	4/25/2014 21:35
1,2-Dibromoethane	U		28	72	µg/Kg-dry	1	4/25/2014 21:35
1,2-Dichlorobenzene	U		29	72	µg/Kg-dry	1	4/25/2014 21:35
1,2-Dichloroethane	U		34	72	µg/Kg-dry	1	4/25/2014 21:35
1,2-Dichloropropane	U		24	72	µg/Kg-dry	1	4/25/2014 21:35
1,3-Dichlorobenzene	U		29	72	µg/Kg-dry	1	4/25/2014 21:35
1,4-Dichlorobenzene	U		28	72	µg/Kg-dry	1	4/25/2014 21:35
2-Butanone	U		180	480	µg/Kg-dry	1	4/25/2014 21:35
2-Hexanone	U		18	72	µg/Kg-dry	1	4/25/2014 21:35
4-Methyl-2-pentanone	U		24	72	µg/Kg-dry	1	4/25/2014 21:35
Acetone	U		150	240	µg/Kg-dry	1	4/25/2014 21:35
Benzene	U		29	72	µg/Kg-dry	1	4/25/2014 21:35
Bromodichloromethane	U		16	72	µg/Kg-dry	1	4/25/2014 21:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-028
Collection Date: 4/14/2014 12:15 PM

Work Order: 1404759
Lab ID: 1404759-28
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		14	72	µg/Kg-dry	1	4/25/2014 21:35
Bromomethane	U		28	180	µg/Kg-dry	1	4/25/2014 21:35
Carbon disulfide	U		36	72	µg/Kg-dry	1	4/25/2014 21:35
Carbon tetrachloride	U		21	72	µg/Kg-dry	1	4/25/2014 21:35
Chlorobenzene	U		29	72	µg/Kg-dry	1	4/25/2014 21:35
Chloroethane	U		150	240	µg/Kg-dry	1	4/25/2014 21:35
Chloroform	U		30	72	µg/Kg-dry	1	4/25/2014 21:35
Chloromethane	U		40	240	µg/Kg-dry	1	4/25/2014 21:35
cis-1,2-Dichloroethene	U		29	72	µg/Kg-dry	1	4/25/2014 21:35
cis-1,3-Dichloropropene	U		25	72	µg/Kg-dry	1	4/25/2014 21:35
Cyclohexane	U		32	72	µg/Kg-dry	1	4/25/2014 21:35
Dibromochloromethane	U		13	72	µg/Kg-dry	1	4/25/2014 21:35
Dichlorodifluoromethane	U		33	72	µg/Kg-dry	1	4/25/2014 21:35
Ethylbenzene	U		27	72	µg/Kg-dry	1	4/25/2014 21:35
Isopropylbenzene	U		31	72	µg/Kg-dry	1	4/25/2014 21:35
Methyl acetate	**1,200**		**97**	**480**	**µg/Kg-dry**	1	4/25/2014 21:35
Methyl tert-butyl ether	U		31	72	µg/Kg-dry	1	4/25/2014 21:35
Methylcyclohexane	**260**		**33**	**72**	**µg/Kg-dry**	1	4/25/2014 21:35
Methylene chloride	U		28	72	µg/Kg-dry	1	4/25/2014 21:35
Styrene	U		27	72	µg/Kg-dry	1	4/25/2014 21:35
Tetrachloroethene	U		32	72	µg/Kg-dry	1	4/25/2014 21:35
Toluene	**96**		**27**	**72**	**µg/Kg-dry**	1	4/25/2014 21:35
trans-1,2-Dichloroethene	U		22	72	µg/Kg-dry	1	4/25/2014 21:35
trans-1,3-Dichloropropene	U		24	72	µg/Kg-dry	1	4/25/2014 21:35
Trichloroethene	U		34	72	µg/Kg-dry	1	4/25/2014 21:35
Trichlorofluoromethane	U		20	72	µg/Kg-dry	1	4/25/2014 21:35
Vinyl chloride	U		33	72	µg/Kg-dry	1	4/25/2014 21:35
Xylenes, Total	**230**		**85**	**220**	**µg/Kg-dry**	1	4/25/2014 21:35
Surr: 1,2-Dichloroethane-d4	*94.8*			*70-130*	*%REC*	1	4/25/2014 21:35
Surr: 4-Bromofluorobenzene	*90.5*			*70-130*	*%REC*	1	4/25/2014 21:35
Surr: Dibromofluoromethane	*96.6*			*70-130*	*%REC*	1	4/25/2014 21:35
Surr: Toluene-d8	*98.4*			*70-130*	*%REC*	1	4/25/2014 21:35
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**17**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-029
Collection Date: 4/14/2014 12:17 PM

Work Order: 1404759
Lab ID: 1404759-29
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		97	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1221	U		97	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1232	U		97	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1242	U		97	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1248	U		97	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1254	U		63	170	µg/Kg-dry	1	4/22/2014 21:18
Aroclor 1260	U		63	170	µg/Kg-dry	1	4/22/2014 21:18
Surr: Decachlorobiphenyl	*77.1*			*40-140*	*%REC*	1	4/22/2014 21:18
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0016**	J	**0.0013**	**0.065**	**mg/Kg-dry**	1	4/28/2014 10:24
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.12**	J	**0.016**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Arsenic	**6.5**		**0.54**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Barium	**190**		**0.11**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Beryllium	**0.035**	J	**0.032**	**1.6**	**mg/Kg-dry**	5	4/27/2014 03:44
Cadmium	**0.11**	J	**0.016**	**1.6**	**mg/Kg-dry**	5	4/27/2014 03:44
Chromium	**1.7**	J	**0.65**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Cobalt	**1.3**	J	**0.016**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Copper	**3.7**	J	**0.77**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Iron	**5,900**		**13**	**63**	**mg/Kg-dry**	5	4/27/2014 03:44
Manganese	**150**		**0.35**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Molybdenum	**3.0**	J	**0.17**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Nickel	**5.0**		**0.39**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Selenium	**0.74**	J	**0.50**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Silver	U		0.016	3.9	mg/Kg-dry	5	4/27/2014 03:44
Vanadium	**4.4**		**0.24**	**3.9**	**mg/Kg-dry**	5	4/27/2014 03:44
Zinc	**7.1**	J	**0.33**	**7.9**	**mg/Kg-dry**	5	4/27/2014 03:44
BatchID: 57833							
Lead	**2.5**	J	**0.079**	**20**	**mg/Kg-dry**	25	4/28/2014 01:08
Thallium	U		0.47	20	mg/Kg-dry	25	4/28/2014 01:08
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		5.7	14	µg/Kg-dry	1	4/23/2014 10:59
Acenaphthene	U		2.1	14	µg/Kg-dry	1	4/23/2014 10:59

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-029
Collection Date: 4/14/2014 12:17 PM

Work Order: 1404759
Lab ID: 1404759-29
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.5	14	µg/Kg-dry	1	4/23/2014 10:59
Anthracene	U		2.7	14	µg/Kg-dry	1	4/23/2014 10:59
Benzo(a)anthracene	U		2.7	14	µg/Kg-dry	1	4/23/2014 10:59
Benzo(a)pyrene	U		4.5	14	µg/Kg-dry	1	4/23/2014 10:59
Benzo(b)fluoranthene	U		4.0	14	µg/Kg-dry	1	4/23/2014 10:59
Benzo(g,h,i)perylene	U		5.4	14	µg/Kg-dry	1	4/23/2014 10:59
Benzo(k)fluoranthene	U		2.9	14	µg/Kg-dry	1	4/23/2014 10:59
Chrysene	U		3.3	14	µg/Kg-dry	1	4/23/2014 10:59
Dibenzo(a,h)anthracene	U		5.1	14	µg/Kg-dry	1	4/23/2014 10:59
Fluoranthene	U		4.8	14	µg/Kg-dry	1	4/23/2014 10:59
Fluorene	U		4.6	14	µg/Kg-dry	1	4/23/2014 10:59
Indeno(1,2,3-cd)pyrene	U		4.6	14	µg/Kg-dry	1	4/23/2014 10:59
Naphthalene	U		5.1	14	µg/Kg-dry	1	4/23/2014 10:59
Phenanthrene	U		2.8	14	µg/Kg-dry	1	4/23/2014 10:59
Pyrene	U		4.6	14	µg/Kg-dry	1	4/23/2014 10:59
Surr: 2-Fluorobiphenyl	*39.9*			*12-100*	*%REC*	1	4/23/2014 10:59
Surr: 4-Terphenyl-d14	*58.9*			*25-137*	*%REC*	1	4/23/2014 10:59
Surr: Nitrobenzene-d5	*41.0*			*37-107*	*%REC*	1	4/23/2014 10:59
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		32	83	µg/Kg-dry	1	4/25/2014 22:01
1,1,2,2-Tetrachloroethane	U		36	83	µg/Kg-dry	1	4/25/2014 22:01
1,1,2-Trichloroethane	U		29	83	µg/Kg-dry	1	4/25/2014 22:01
1,1,2-Trichlorotrifluoroethane	U		31	83	µg/Kg-dry	1	4/25/2014 22:01
1,1-Dichloroethane	U		30	83	µg/Kg-dry	1	4/25/2014 22:01
1,1-Dichloroethene	U		35	83	µg/Kg-dry	1	4/25/2014 22:01
1,2,4-Trichlorobenzene	U		43	83	µg/Kg-dry	1	4/25/2014 22:01
1,2-Dibromo-3-chloropropane	U		40	83	µg/Kg-dry	1	4/25/2014 22:01
1,2-Dibromoethane	U		33	83	µg/Kg-dry	1	4/25/2014 22:01
1,2-Dichlorobenzene	U		33	83	µg/Kg-dry	1	4/25/2014 22:01
1,2-Dichloroethane	U		39	83	µg/Kg-dry	1	4/25/2014 22:01
1,2-Dichloropropane	U		27	83	µg/Kg-dry	1	4/25/2014 22:01
1,3-Dichlorobenzene	U		33	83	µg/Kg-dry	1	4/25/2014 22:01
1,4-Dichlorobenzene	U		32	83	µg/Kg-dry	1	4/25/2014 22:01
2-Butanone	U		200	550	µg/Kg-dry	1	4/25/2014 22:01
2-Hexanone	U		20	83	µg/Kg-dry	1	4/25/2014 22:01
4-Methyl-2-pentanone	U		28	83	µg/Kg-dry	1	4/25/2014 22:01
Acetone	U		180	280	µg/Kg-dry	1	4/25/2014 22:01
Benzene	U		33	83	µg/Kg-dry	1	4/25/2014 22:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-029
Collection Date: 4/14/2014 12:17 PM

Work Order: 1404759
Lab ID: 1404759-29
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		19	83	µg/Kg-dry	1	4/25/2014 22:01
Bromoform	U		16	83	µg/Kg-dry	1	4/25/2014 22:01
Bromomethane	U		32	210	µg/Kg-dry	1	4/25/2014 22:01
Carbon disulfide	U		41	83	µg/Kg-dry	1	4/25/2014 22:01
Carbon tetrachloride	U		24	83	µg/Kg-dry	1	4/25/2014 22:01
Chlorobenzene	U		34	83	µg/Kg-dry	1	4/25/2014 22:01
Chloroethane	U		180	280	µg/Kg-dry	1	4/25/2014 22:01
Chloroform	U		34	83	µg/Kg-dry	1	4/25/2014 22:01
Chloromethane	U		46	280	µg/Kg-dry	1	4/25/2014 22:01
cis-1,2-Dichloroethene	U		34	83	µg/Kg-dry	1	4/25/2014 22:01
cis-1,3-Dichloropropene	U		28	83	µg/Kg-dry	1	4/25/2014 22:01
Cyclohexane	U		37	83	µg/Kg-dry	1	4/25/2014 22:01
Dibromochloromethane	U		15	83	µg/Kg-dry	1	4/25/2014 22:01
Dichlorodifluoromethane	U		37	83	µg/Kg-dry	1	4/25/2014 22:01
Ethylbenzene	U		31	83	µg/Kg-dry	1	4/25/2014 22:01
Isopropylbenzene	U		36	83	µg/Kg-dry	1	4/25/2014 22:01
Methyl acetate	**1,000**		**110**	**550**	**µg/Kg-dry**	1	4/25/2014 22:01
Methyl tert-butyl ether	U		35	83	µg/Kg-dry	1	4/25/2014 22:01
Methylcyclohexane	U		38	83	µg/Kg-dry	1	4/25/2014 22:01
Methylene chloride	U		32	83	µg/Kg-dry	1	4/25/2014 22:01
Styrene	U		31	83	µg/Kg-dry	1	4/25/2014 22:01
Tetrachloroethene	U		37	83	µg/Kg-dry	1	4/25/2014 22:01
Toluene	U		31	83	µg/Kg-dry	1	4/25/2014 22:01
trans-1,2-Dichloroethene	U		26	83	µg/Kg-dry	1	4/25/2014 22:01
trans-1,3-Dichloropropene	U		28	83	µg/Kg-dry	1	4/25/2014 22:01
Trichloroethene	U		39	83	µg/Kg-dry	1	4/25/2014 22:01
Trichlorofluoromethane	U		23	83	µg/Kg-dry	1	4/25/2014 22:01
Vinyl chloride	U		37	83	µg/Kg-dry	1	4/25/2014 22:01
Xylenes, Total	U		98	250	µg/Kg-dry	1	4/25/2014 22:01
Surr: 1,2-Dichloroethane-d4	*95.0*			*70-130*	*%REC*	1	4/25/2014 22:01
Surr: 4-Bromofluorobenzene	*89.8*			*70-130*	*%REC*	1	4/25/2014 22:01
Surr: Dibromofluoromethane	*96.0*			*70-130*	*%REC*	1	4/25/2014 22:01
Surr: Toluene-d8	*98.2*			*70-130*	*%REC*	1	4/25/2014 22:01
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**53**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-030
Collection Date: 4/14/2014 12:20 PM

Work Order: 1404759
Lab ID: 1404759-30
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		74	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1221	U		74	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1232	U		74	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1242	U		74	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1248	U		74	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1254	U		48	130	µg/Kg-dry	1	4/22/2014 21:34
Aroclor 1260	U		48	130	µg/Kg-dry	1	4/22/2014 21:34
Surr: Decachlorobiphenyl	*89.1*			*40-140*	*%REC*	1	4/22/2014 21:34
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.0023**	J	**0.0010**	**0.051**	**mg/Kg-dry**	1	4/28/2014 10:27
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.074**	J	**0.012**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Arsenic	U		0.42	3.1	mg/Kg-dry	5	4/27/2014 03:50
Barium	**140**		**0.086**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Beryllium	**0.10**	J	**0.024**	**1.2**	**mg/Kg-dry**	5	4/27/2014 03:50
Cadmium	**0.12**	J	**0.012**	**1.2**	**mg/Kg-dry**	5	4/27/2014 03:50
Chromium	**5.5**		**0.50**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Cobalt	**1.8**	J	**0.012**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Copper	**7.3**		**0.60**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Iron	**4,800**		**10**	**49**	**mg/Kg-dry**	5	4/27/2014 03:50
Manganese	**73**		**0.27**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Molybdenum	**2.0**	J	**0.13**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Nickel	**5.9**		**0.31**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Selenium	**1.3**	J	**0.39**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Silver	U		0.012	3.1	mg/Kg-dry	5	4/27/2014 03:50
Vanadium	**7.8**		**0.18**	**3.1**	**mg/Kg-dry**	5	4/27/2014 03:50
Zinc	**15**		**0.26**	**6.1**	**mg/Kg-dry**	5	4/27/2014 03:50
BatchID: 57833							
Lead	**2.9**	J	**0.061**	**15**	**mg/Kg-dry**	25	4/28/2014 01:13
Thallium	U		0.37	15	mg/Kg-dry	25	4/28/2014 01:13
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		4.4	11	µg/Kg-dry	1	4/23/2014 11:20
Acenaphthene	U		1.6	11	µg/Kg-dry	1	4/23/2014 11:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-030
Collection Date: 4/14/2014 12:20 PM

Work Order: 1404759
Lab ID: 1404759-30
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.9	11	µg/Kg-dry	1	4/23/2014 11:20
Anthracene	U		2.1	11	µg/Kg-dry	1	4/23/2014 11:20
Benzo(a)anthracene	U		2.1	11	µg/Kg-dry	1	4/23/2014 11:20
Benzo(a)pyrene	U		3.5	11	µg/Kg-dry	1	4/23/2014 11:20
Benzo(b)fluoranthene	U		3.1	11	µg/Kg-dry	1	4/23/2014 11:20
Benzo(g,h,i)perylene	U		4.2	11	µg/Kg-dry	1	4/23/2014 11:20
Benzo(k)fluoranthene	U		2.3	11	µg/Kg-dry	1	4/23/2014 11:20
Chrysene	U		2.5	11	µg/Kg-dry	1	4/23/2014 11:20
Dibenzo(a,h)anthracene	U		4.0	11	µg/Kg-dry	1	4/23/2014 11:20
Fluoranthene	U		3.7	11	µg/Kg-dry	1	4/23/2014 11:20
Fluorene	U		3.6	11	µg/Kg-dry	1	4/23/2014 11:20
Indeno(1,2,3-cd)pyrene	U		3.5	11	µg/Kg-dry	1	4/23/2014 11:20
Naphthalene	U		3.9	11	µg/Kg-dry	1	4/23/2014 11:20
Phenanthrene	U		2.1	11	µg/Kg-dry	1	4/23/2014 11:20
Pyrene	U		3.6	11	µg/Kg-dry	1	4/23/2014 11:20
Surr: 2-Fluorobiphenyl	*41.6*			*12-100*	*%REC*	1	4/23/2014 11:20
Surr: 4-Terphenyl-d14	*67.4*			*25-137*	*%REC*	1	4/23/2014 11:20
Surr: Nitrobenzene-d5	*43.8*			*37-107*	*%REC*	1	4/23/2014 11:20
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
1,1,2,2-Tetrachloroethane	U		21	48	µg/Kg-dry	1	4/25/2014 22:26
1,1,2-Trichloroethane	U		17	48	µg/Kg-dry	1	4/25/2014 22:26
1,1,2-Trichlorotrifluoroethane	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
1,1-Dichloroethane	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
1,1-Dichloroethene	U		20	48	µg/Kg-dry	1	4/25/2014 22:26
1,2,4-Trichlorobenzene	U		25	48	µg/Kg-dry	1	4/25/2014 22:26
1,2-Dibromo-3-chloropropane	U		24	48	µg/Kg-dry	1	4/25/2014 22:26
1,2-Dibromoethane	U		19	48	µg/Kg-dry	1	4/25/2014 22:26
1,2-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 22:26
1,2-Dichloroethane	U		23	48	µg/Kg-dry	1	4/25/2014 22:26
1,2-Dichloropropane	U		16	48	µg/Kg-dry	1	4/25/2014 22:26
1,3-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/25/2014 22:26
1,4-Dichlorobenzene	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
2-Butanone	U		120	320	µg/Kg-dry	1	4/25/2014 22:26
2-Hexanone	U		12	48	µg/Kg-dry	1	4/25/2014 22:26
4-Methyl-2-pentanone	U		16	48	µg/Kg-dry	1	4/25/2014 22:26
Acetone	U		100	160	µg/Kg-dry	1	4/25/2014 22:26
Benzene	U		19	48	µg/Kg-dry	1	4/25/2014 22:26

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-030
Collection Date: 4/14/2014 12:20 PM

Work Order: 1404759
Lab ID: 1404759-30
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		11	48	µg/Kg-dry	1	4/25/2014 22:26
Bromoform	U		9.5	48	µg/Kg-dry	1	4/25/2014 22:26
Bromomethane	U		19	120	µg/Kg-dry	1	4/25/2014 22:26
Carbon disulfide	U		24	48	µg/Kg-dry	1	4/25/2014 22:26
Carbon tetrachloride	U		14	48	µg/Kg-dry	1	4/25/2014 22:26
Chlorobenzene	U		20	48	µg/Kg-dry	1	4/25/2014 22:26
Chloroethane	U		100	160	µg/Kg-dry	1	4/25/2014 22:26
Chloroform	U		20	48	µg/Kg-dry	1	4/25/2014 22:26
Chloromethane	U		27	160	µg/Kg-dry	1	4/25/2014 22:26
cis-1,2-Dichloroethene	U		20	48	µg/Kg-dry	1	4/25/2014 22:26
cis-1,3-Dichloropropene	U		17	48	µg/Kg-dry	1	4/25/2014 22:26
Cyclohexane	U		22	48	µg/Kg-dry	1	4/25/2014 22:26
Dibromochloromethane	U		9.0	48	µg/Kg-dry	1	4/25/2014 22:26
Dichlorodifluoromethane	U		22	48	µg/Kg-dry	1	4/25/2014 22:26
Ethylbenzene	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
Isopropylbenzene	U		21	48	µg/Kg-dry	1	4/25/2014 22:26
Methyl acetate	**860**		**65**	**320**	**µg/Kg-dry**	1	4/25/2014 22:26
Methyl tert-butyl ether	U		20	48	µg/Kg-dry	1	4/25/2014 22:26
Methylcyclohexane	U		22	48	µg/Kg-dry	1	4/25/2014 22:26
Methylene chloride	U		19	48	µg/Kg-dry	1	4/25/2014 22:26
Styrene	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
Tetrachloroethene	U		22	48	µg/Kg-dry	1	4/25/2014 22:26
Toluene	U		18	48	µg/Kg-dry	1	4/25/2014 22:26
trans-1,2-Dichloroethene	U		15	48	µg/Kg-dry	1	4/25/2014 22:26
trans-1,3-Dichloropropene	U		16	48	µg/Kg-dry	1	4/25/2014 22:26
Trichloroethene	U		23	48	µg/Kg-dry	1	4/25/2014 22:26
Trichlorofluoromethane	U		13	48	µg/Kg-dry	1	4/25/2014 22:26
Vinyl chloride	U		22	48	µg/Kg-dry	1	4/25/2014 22:26
Xylenes, Total	U		57	150	µg/Kg-dry	1	4/25/2014 22:26
Surr: 1,2-Dichloroethane-d4	*94.0*			*70-130*	*%REC*	1	4/25/2014 22:26
Surr: 4-Bromofluorobenzene	*88.6*			*70-130*	*%REC*	1	4/25/2014 22:26
Surr: Dibromofluoromethane	*96.2*			*70-130*	*%REC*	1	4/25/2014 22:26
Surr: Toluene-d8	*97.8*			*70-130*	*%REC*	1	4/25/2014 22:26
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139104							
Moisture	**38**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-031
Collection Date: 4/14/2014 01:15 PM

Work Order: 1404759
Lab ID: 1404759-31
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		53	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1221	U		53	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1232	U		53	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1242	U		53	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1248	U		53	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1254	U		34	94	µg/Kg-dry	1	4/22/2014 21:50
Aroclor 1260	**310**		**34**	**94**	**µg/Kg-dry**	1	4/22/2014 21:50
Surr: Decachlorobiphenyl	*87.1*			*40-140*	*%REC*	1	4/22/2014 21:50
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.23**		**0.00089**	**0.045**	**mg/Kg-dry**	1	4/28/2014 10:36
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**8.2**		**0.0091**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Arsenic	**32**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Barium	**85**		**0.064**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Beryllium	**1.0**		**0.018**	**0.91**	**mg/Kg-dry**	5	4/27/2014 03:56
Cadmium	**1.2**		**0.0091**	**0.91**	**mg/Kg-dry**	5	4/27/2014 03:56
Chromium	**18**		**0.37**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Cobalt	**10**		**0.0091**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Copper	**130**		**0.45**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Manganese	**510**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Molybdenum	**7.3**		**0.10**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Nickel	**32**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Selenium	**2.8**		**0.29**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Silver	**0.073**	J	**0.0091**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Vanadium	**19**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/27/2014 03:56
Zinc	**120**		**0.19**	**4.5**	**mg/Kg-dry**	5	4/27/2014 03:56
BatchID: 57833							
Iron	**86,000**		**38**	**180**	**mg/Kg-dry**	25	4/28/2014 01:19
Lead	**110**		**0.045**	**11**	**mg/Kg-dry**	25	4/28/2014 01:19
Thallium	**0.89**	J	**0.27**	**11**	**mg/Kg-dry**	25	4/28/2014 01:19
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.2	7.8	µg/Kg-dry	1	4/23/2014 11:40
Acenaphthene	U		1.2	7.8	µg/Kg-dry	1	4/23/2014 11:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-031
Collection Date: 4/14/2014 01:15 PM

Work Order: 1404759
Lab ID: 1404759-31
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	**450**		**1.4**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Anthracene	**450**		**1.5**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Benzo(a)anthracene	**880**		**1.5**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Benzo(a)pyrene	**820**		**2.5**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Benzo(b)fluoranthene	**1,300**		**2.3**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Benzo(g,h,i)perylene	**320**		**3.1**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Benzo(k)fluoranthene	**540**		**1.7**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Chrysene	**990**		**1.9**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Dibenzo(a,h)anthracene	**180**		**2.9**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Fluoranthene	**2,300**		**2.7**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Fluorene	**230**		**2.6**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Indeno(1,2,3-cd)pyrene	**420**		**2.6**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Naphthalene	U		2.9	7.8	µg/Kg-dry	1	4/23/2014 11:40
Phenanthrene	**1,300**		**1.6**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Pyrene	**1,200**		**2.6**	**7.8**	**µg/Kg-dry**	1	4/23/2014 11:40
Surr: 2-Fluorobiphenyl	*44.7*			*12-100*	*%REC*	1	4/23/2014 11:40
Surr: 4-Terphenyl-d14	*67.0*			*25-137*	*%REC*	1	4/23/2014 11:40
Surr: Nitrobenzene-d5	*41.7*			*37-107*	*%REC*	1	4/23/2014 11:40
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		22	58	µg/Kg-dry	1	4/25/2014 22:52
1,1,2,2-Tetrachloroethane	U		25	58	µg/Kg-dry	1	4/25/2014 22:52
1,1,2-Trichloroethane	U		20	58	µg/Kg-dry	1	4/25/2014 22:52
1,1,2-Trichlorotrifluoroethane	U		21	58	µg/Kg-dry	1	4/25/2014 22:52
1,1-Dichloroethane	U		21	58	µg/Kg-dry	1	4/25/2014 22:52
1,1-Dichloroethene	U		24	58	µg/Kg-dry	1	4/25/2014 22:52
1,2,4-Trichlorobenzene	U		30	58	µg/Kg-dry	1	4/25/2014 22:52
1,2-Dibromo-3-chloropropane	U		28	58	µg/Kg-dry	1	4/25/2014 22:52
1,2-Dibromoethane	U		23	58	µg/Kg-dry	1	4/25/2014 22:52
1,2-Dichlorobenzene	U		23	58	µg/Kg-dry	1	4/25/2014 22:52
1,2-Dichloroethane	U		27	58	µg/Kg-dry	1	4/25/2014 22:52
1,2-Dichloropropane	U		19	58	µg/Kg-dry	1	4/25/2014 22:52
1,3-Dichlorobenzene	U		23	58	µg/Kg-dry	1	4/25/2014 22:52
1,4-Dichlorobenzene	U		22	58	µg/Kg-dry	1	4/25/2014 22:52
2-Butanone	**390**		**140**	**390**	**µg/Kg-dry**	1	4/25/2014 22:52
2-Hexanone	U		14	58	µg/Kg-dry	1	4/25/2014 22:52
4-Methyl-2-pentanone	U		20	58	µg/Kg-dry	1	4/25/2014 22:52
Acetone	**910**		**120**	**190**	**µg/Kg-dry**	1	4/25/2014 22:52
Benzene	**260**		**23**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-031
Collection Date: 4/14/2014 01:15 PM

Work Order: 1404759
Lab ID: 1404759-31
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		13	58	µg/Kg-dry	1	4/25/2014 22:52
Bromoform	U		11	58	µg/Kg-dry	1	4/25/2014 22:52
Bromomethane	U		22	140	µg/Kg-dry	1	4/25/2014 22:52
Carbon disulfide	U		29	58	µg/Kg-dry	1	4/25/2014 22:52
Carbon tetrachloride	U		16	58	µg/Kg-dry	1	4/25/2014 22:52
Chlorobenzene	U		24	58	µg/Kg-dry	1	4/25/2014 22:52
Chloroethane	U		120	190	µg/Kg-dry	1	4/25/2014 22:52
Chloroform	U		24	58	µg/Kg-dry	1	4/25/2014 22:52
Chloromethane	U		32	190	µg/Kg-dry	1	4/25/2014 22:52
cis-1,2-Dichloroethene	U		23	58	µg/Kg-dry	1	4/25/2014 22:52
cis-1,3-Dichloropropene	U		20	58	µg/Kg-dry	1	4/25/2014 22:52
Cyclohexane	**980**		**26**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52
Dibromochloromethane	U		11	58	µg/Kg-dry	1	4/25/2014 22:52
Dichlorodifluoromethane	U		26	58	µg/Kg-dry	1	4/25/2014 22:52
Ethylbenzene	**300**		**21**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52
Isopropylbenzene	**210**		**25**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52
Methyl acetate	**3,600**		**78**	**390**	**µg/Kg-dry**	1	4/25/2014 22:52
Methyl tert-butyl ether	U		25	58	µg/Kg-dry	1	4/25/2014 22:52
Methylcyclohexane	**4,000**		**27**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52
Methylene chloride	U		23	58	µg/Kg-dry	1	4/25/2014 22:52
Styrene	U		22	58	µg/Kg-dry	1	4/25/2014 22:52
Tetrachloroethene	U		26	58	µg/Kg-dry	1	4/25/2014 22:52
Toluene	**1,500**		**22**	**58**	**µg/Kg-dry**	1	4/25/2014 22:52
trans-1,2-Dichloroethene	U		18	58	µg/Kg-dry	1	4/25/2014 22:52
trans-1,3-Dichloropropene	U		19	58	µg/Kg-dry	1	4/25/2014 22:52
Trichloroethene	U		27	58	µg/Kg-dry	1	4/25/2014 22:52
Trichlorofluoromethane	U		16	58	µg/Kg-dry	1	4/25/2014 22:52
Vinyl chloride	U		26	58	µg/Kg-dry	1	4/25/2014 22:52
Xylenes, Total	**2,500**		**68**	**170**	**µg/Kg-dry**	1	4/25/2014 22:52
Surr: 1,2-Dichloroethane-d4	*94.8*			*70-130*	*%REC*	1	4/25/2014 22:52
Surr: 4-Bromofluorobenzene	*91.8*			*70-130*	*%REC*	1	4/25/2014 22:52
Surr: Dibromofluoromethane	*95.1*			*70-130*	*%REC*	1	4/25/2014 22:52
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/25/2014 22:52
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**15**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-032
Collection Date: 4/14/2014 01:17 PM

Work Order: 1404759
Lab ID: 1404759-32
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		52	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1221	U		52	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1232	U		52	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1242	U		52	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1248	U		52	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1254	U		33	91	µg/Kg-dry	1	4/22/2014 22:07
Aroclor 1260	U		33	91	µg/Kg-dry	1	4/22/2014 22:07
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/22/2014 22:07
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.032**	J	**0.00087**	**0.043**	**mg/Kg-dry**	1	4/28/2014 10:38
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**1.0**	J	**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Arsenic	**5.8**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Barium	**42**		**0.061**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Beryllium	**0.73**	J	**0.017**	**0.87**	**mg/Kg-dry**	5	4/27/2014 04:02
Cadmium	**0.40**	J	**0.0087**	**0.87**	**mg/Kg-dry**	5	4/27/2014 04:02
Chromium	**6.6**		**0.36**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Cobalt	**3.2**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Copper	**20**		**0.43**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Iron	**20,000**		**7.3**	**35**	**mg/Kg-dry**	5	4/27/2014 04:02
Lead	**27**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/28/2014 01:25
Manganese	**250**		**0.19**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Molybdenum	**1.9**	J	**0.096**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Nickel	**8.8**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Selenium	**1.0**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Silver	**0.015**	J	**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Thallium	**0.16**	J	**0.052**	**2.2**	**mg/Kg-dry**	5	4/28/2014 01:25
Vanadium	**14**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/27/2014 04:02
Zinc	**47**		**0.18**	**4.4**	**mg/Kg-dry**	5	4/27/2014 04:02
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**860**		**31**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Acenaphthene	U		11	74	µg/Kg-dry	10	4/22/2014 22:10
Acenaphthylene	U		13	74	µg/Kg-dry	10	4/22/2014 22:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-032
Collection Date: 4/14/2014 01:17 PM

Work Order: 1404759
Lab ID: 1404759-32
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**74**	J	**15**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Benzo(a)anthracene	U		15	74	µg/Kg-dry	10	4/22/2014 22:10
Benzo(a)pyrene	**140**		**24**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Benzo(b)fluoranthene	**210**		**22**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Benzo(g,h,i)perylene	**44**	J	**29**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Benzo(k)fluoranthene	**85**		**16**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Chrysene	**200**		**18**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Dibenzo(a,h)anthracene	U		27	74	µg/Kg-dry	10	4/22/2014 22:10
Fluoranthene	**270**		**26**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Fluorene	U		25	74	µg/Kg-dry	10	4/22/2014 22:10
Indeno(1,2,3-cd)pyrene	**41**	J	**24**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Naphthalene	**700**		**27**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Phenanthrene	**630**		**15**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Pyrene	**270**		**25**	**74**	**µg/Kg-dry**	10	4/22/2014 22:10
Surr: 2-Fluorobiphenyl	*72.2*			*12-100*	*%REC*	10	4/22/2014 22:10
Surr: 4-Terphenyl-d14	*94.2*			*25-137*	*%REC*	10	4/22/2014 22:10
Surr: Nitrobenzene-d5	*72.6*			*37-107*	*%REC*	10	4/22/2014 22:10
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		21	54	µg/Kg-dry	1	4/25/2014 23:17
1,1,2,2-Tetrachloroethane	U		24	54	µg/Kg-dry	1	4/25/2014 23:17
1,1,2-Trichloroethane	U		19	54	µg/Kg-dry	1	4/25/2014 23:17
1,1,2-Trichlorotrifluoroethane	U		20	54	µg/Kg-dry	1	4/25/2014 23:17
1,1-Dichloroethane	U		20	54	µg/Kg-dry	1	4/25/2014 23:17
1,1-Dichloroethene	U		23	54	µg/Kg-dry	1	4/25/2014 23:17
1,2,4-Trichlorobenzene	U		28	54	µg/Kg-dry	1	4/25/2014 23:17
1,2-Dibromo-3-chloropropane	U		26	54	µg/Kg-dry	1	4/25/2014 23:17
1,2-Dibromoethane	U		21	54	µg/Kg-dry	1	4/25/2014 23:17
1,2-Dichlorobenzene	U		22	54	µg/Kg-dry	1	4/25/2014 23:17
1,2-Dichloroethane	U		26	54	µg/Kg-dry	1	4/25/2014 23:17
1,2-Dichloropropane	U		18	54	µg/Kg-dry	1	4/25/2014 23:17
1,3-Dichlorobenzene	U		22	54	µg/Kg-dry	1	4/25/2014 23:17
1,4-Dichlorobenzene	U		21	54	µg/Kg-dry	1	4/25/2014 23:17
2-Butanone	U		130	360	µg/Kg-dry	1	4/25/2014 23:17
2-Hexanone	U		13	54	µg/Kg-dry	1	4/25/2014 23:17
4-Methyl-2-pentanone	U		18	54	µg/Kg-dry	1	4/25/2014 23:17
Acetone	U		110	180	µg/Kg-dry	1	4/25/2014 23:17
Benzene	**120**		**22**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
Bromodichloromethane	U		12	54	µg/Kg-dry	1	4/25/2014 23:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-032
Collection Date: 4/14/2014 01:17 PM

Work Order: 1404759
Lab ID: 1404759-32
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		11	54	µg/Kg-dry	1	4/25/2014 23:17
Bromomethane	U		21	140	µg/Kg-dry	1	4/25/2014 23:17
Carbon disulfide	U		27	54	µg/Kg-dry	1	4/25/2014 23:17
Carbon tetrachloride	U		15	54	µg/Kg-dry	1	4/25/2014 23:17
Chlorobenzene	U		22	54	µg/Kg-dry	1	4/25/2014 23:17
Chloroethane	U		120	180	µg/Kg-dry	1	4/25/2014 23:17
Chloroform	U		22	54	µg/Kg-dry	1	4/25/2014 23:17
Chloromethane	U		30	180	µg/Kg-dry	1	4/25/2014 23:17
cis-1,2-Dichloroethene	U		22	54	µg/Kg-dry	1	4/25/2014 23:17
cis-1,3-Dichloropropene	U		19	54	µg/Kg-dry	1	4/25/2014 23:17
Cyclohexane	**420**		**24**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
Dibromochloromethane	U		10	54	µg/Kg-dry	1	4/25/2014 23:17
Dichlorodifluoromethane	U		24	54	µg/Kg-dry	1	4/25/2014 23:17
Ethylbenzene	**400**		**20**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
Isopropylbenzene	**250**		**23**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
Methyl acetate	**190**	J	**73**	**360**	**µg/Kg-dry**	1	4/25/2014 23:17
Methyl tert-butyl ether	U		23	54	µg/Kg-dry	1	4/25/2014 23:17
Methylcyclohexane	**1,400**		**25**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
Methylene chloride	U		21	54	µg/Kg-dry	1	4/25/2014 23:17
Styrene	U		20	54	µg/Kg-dry	1	4/25/2014 23:17
Tetrachloroethene	U		24	54	µg/Kg-dry	1	4/25/2014 23:17
Toluene	**1,000**		**20**	**54**	**µg/Kg-dry**	1	4/25/2014 23:17
trans-1,2-Dichloroethene	U		17	54	µg/Kg-dry	1	4/25/2014 23:17
trans-1,3-Dichloropropene	U		18	54	µg/Kg-dry	1	4/25/2014 23:17
Trichloroethene	U		25	54	µg/Kg-dry	1	4/25/2014 23:17
Trichlorofluoromethane	U		15	54	µg/Kg-dry	1	4/25/2014 23:17
Vinyl chloride	U		24	54	µg/Kg-dry	1	4/25/2014 23:17
Xylenes, Total	**2,100**		**64**	**160**	**µg/Kg-dry**	1	4/25/2014 23:17
Surr: 1,2-Dichloroethane-d4	*95.6*			*70-130*	*%REC*	1	4/25/2014 23:17
Surr: 4-Bromofluorobenzene	*94.2*			*70-130*	*%REC*	1	4/25/2014 23:17
Surr: Dibromofluoromethane	*95.7*			*70-130*	*%REC*	1	4/25/2014 23:17
Surr: Toluene-d8	*99.6*			*70-130*	*%REC*	1	4/25/2014 23:17
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**10**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-033
Collection Date: 4/14/2014 01:20 PM

Work Order: 1404759
Lab ID: 1404759-33
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		55	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1221	U		55	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1232	U		55	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1242	U		55	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1248	U		55	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1254	U		35	96	µg/Kg-dry	1	4/22/2014 22:23
Aroclor 1260	U		35	96	µg/Kg-dry	1	4/22/2014 22:23
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/22/2014 22:23
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.030**	J	**0.00091**	**0.045**	**mg/Kg-dry**	1	4/28/2014 13:27
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**1.8**	J	**0.0094**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Arsenic	**11**		**0.32**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Barium	**23**		**0.066**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Beryllium	**0.25**	J	**0.019**	**0.94**	**mg/Kg-dry**	5	4/27/2014 04:08
Cadmium	**0.36**	J	**0.0094**	**0.94**	**mg/Kg-dry**	5	4/27/2014 04:08
Chromium	**5.0**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Cobalt	**2.0**	J	**0.0094**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Copper	**30**		**0.46**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Iron	**30,000**		**7.8**	**38**	**mg/Kg-dry**	5	4/27/2014 04:08
Lead	**19**		**0.0094**	**2.3**	**mg/Kg-dry**	5	4/28/2014 01:31
Manganese	**27**		**0.21**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Molybdenum	**2.1**	J	**0.10**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Nickel	**6.8**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Selenium	**1.1**	J	**0.30**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Silver	**0.015**	J	**0.0094**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Thallium	**0.30**	J	**0.056**	**2.3**	**mg/Kg-dry**	5	4/28/2014 01:31
Vanadium	**8.1**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/27/2014 04:08
Zinc	**6.1**		**0.20**	**4.7**	**mg/Kg-dry**	5	4/27/2014 04:08
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**1,200**		**32**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Acenaphthene	U		12	77	µg/Kg-dry	10	4/22/2014 22:41
Acenaphthylene	U		14	77	µg/Kg-dry	10	4/22/2014 22:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-033
Collection Date: 4/14/2014 01:20 PM

Work Order: 1404759
Lab ID: 1404759-33
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**66**	J	**15**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Benzo(a)anthracene	U		15	77	µg/Kg-dry	10	4/22/2014 22:41
Benzo(a)pyrene	**58**	J	**25**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Benzo(b)fluoranthene	**89**		**23**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Benzo(g,h,i)perylene	U		30	77	µg/Kg-dry	10	4/22/2014 22:41
Benzo(k)fluoranthene	**50**	J	**16**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Chrysene	**130**		**18**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Dibenzo(a,h)anthracene	U		29	77	µg/Kg-dry	10	4/22/2014 22:41
Fluoranthene	**97**		**27**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Fluorene	U		26	77	µg/Kg-dry	10	4/22/2014 22:41
Indeno(1,2,3-cd)pyrene	U		26	77	µg/Kg-dry	10	4/22/2014 22:41
Naphthalene	**950**		**28**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Phenanthrene	**610**		**15**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Pyrene	**140**		**26**	**77**	**µg/Kg-dry**	10	4/22/2014 22:41
Surr: 2-Fluorobiphenyl	*70.4*			*12-100*	*%REC*	10	4/22/2014 22:41
Surr: 4-Terphenyl-d14	*94.2*			*25-137*	*%REC*	10	4/22/2014 22:41
Surr: Nitrobenzene-d5	*69.0*			*37-107*	*%REC*	10	4/22/2014 22:41
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		28	74	µg/Kg-dry	1	4/25/2014 23:42
1,1,2,2-Tetrachloroethane	U		33	74	µg/Kg-dry	1	4/25/2014 23:42
1,1,2-Trichloroethane	U		26	74	µg/Kg-dry	1	4/25/2014 23:42
1,1,2-Trichlorotrifluoroethane	U		27	74	µg/Kg-dry	1	4/25/2014 23:42
1,1-Dichloroethane	U		27	74	µg/Kg-dry	1	4/25/2014 23:42
1,1-Dichloroethene	U		31	74	µg/Kg-dry	1	4/25/2014 23:42
1,2,4-Trichlorobenzene	U		38	74	µg/Kg-dry	1	4/25/2014 23:42
1,2-Dibromo-3-chloropropane	U		36	74	µg/Kg-dry	1	4/25/2014 23:42
1,2-Dibromoethane	U		29	74	µg/Kg-dry	1	4/25/2014 23:42
1,2-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 23:42
1,2-Dichloroethane	U		35	74	µg/Kg-dry	1	4/25/2014 23:42
1,2-Dichloropropane	U		25	74	µg/Kg-dry	1	4/25/2014 23:42
1,3-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 23:42
1,4-Dichlorobenzene	U		28	74	µg/Kg-dry	1	4/25/2014 23:42
2-Butanone	**230**	J	**180**	**490**	**µg/Kg-dry**	1	4/25/2014 23:42
2-Hexanone	U		18	74	µg/Kg-dry	1	4/25/2014 23:42
4-Methyl-2-pentanone	U		25	74	µg/Kg-dry	1	4/25/2014 23:42
Acetone	**250**		**160**	**250**	**µg/Kg-dry**	1	4/25/2014 23:42
Benzene	**420**		**30**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
Bromodichloromethane	U		17	74	µg/Kg-dry	1	4/25/2014 23:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-033
Collection Date: 4/14/2014 01:20 PM

Work Order: 1404759
Lab ID: 1404759-33
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		15	74	µg/Kg-dry	1	4/25/2014 23:42
Bromomethane	U		28	190	µg/Kg-dry	1	4/25/2014 23:42
Carbon disulfide	U		37	74	µg/Kg-dry	1	4/25/2014 23:42
Carbon tetrachloride	U		21	74	µg/Kg-dry	1	4/25/2014 23:42
Chlorobenzene	U		30	74	µg/Kg-dry	1	4/25/2014 23:42
Chloroethane	U		160	250	µg/Kg-dry	1	4/25/2014 23:42
Chloroform	U		31	74	µg/Kg-dry	1	4/25/2014 23:42
Chloromethane	U		41	250	µg/Kg-dry	1	4/25/2014 23:42
cis-1,2-Dichloroethene	U		30	74	µg/Kg-dry	1	4/25/2014 23:42
cis-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 23:42
Cyclohexane	**790**		**33**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
Dibromochloromethane	U		14	74	µg/Kg-dry	1	4/25/2014 23:42
Dichlorodifluoromethane	U		34	74	µg/Kg-dry	1	4/25/2014 23:42
Ethylbenzene	**400**		**28**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
Isopropylbenzene	**220**		**32**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
Methyl acetate	**270**	J	**100**	**490**	**µg/Kg-dry**	1	4/25/2014 23:42
Methyl tert-butyl ether	U		31	74	µg/Kg-dry	1	4/25/2014 23:42
Methylcyclohexane	**2,200**		**34**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
Methylene chloride	U		29	74	µg/Kg-dry	1	4/25/2014 23:42
Styrene	U		28	74	µg/Kg-dry	1	4/25/2014 23:42
Tetrachloroethene	U		33	74	µg/Kg-dry	1	4/25/2014 23:42
Toluene	**1,400**		**28**	**74**	**µg/Kg-dry**	1	4/25/2014 23:42
trans-1,2-Dichloroethene	U		23	74	µg/Kg-dry	1	4/25/2014 23:42
trans-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/25/2014 23:42
Trichloroethene	U		35	74	µg/Kg-dry	1	4/25/2014 23:42
Trichlorofluoromethane	U		20	74	µg/Kg-dry	1	4/25/2014 23:42
Vinyl chloride	U		33	74	µg/Kg-dry	1	4/25/2014 23:42
Xylenes, Total	**2,700**		**88**	**220**	**µg/Kg-dry**	1	4/25/2014 23:42
Surr: 1,2-Dichloroethane-d4	*92.7*			*70-130*	*%REC*	1	4/25/2014 23:42
Surr: 4-Bromofluorobenzene	*91.4*			*70-130*	*%REC*	1	4/25/2014 23:42
Surr: Dibromofluoromethane	*95.4*			*70-130*	*%REC*	1	4/25/2014 23:42
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	4/25/2014 23:42
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**15**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-034
Collection Date: 4/14/2014 01:22 PM

Work Order: 1404759
Lab ID: 1404759-34
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		49	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1221	U		49	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1232	U		49	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1242	U		49	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1248	U		49	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1254	U		31	86	µg/Kg-dry	1	4/22/2014 22:39
Aroclor 1260	U		31	86	µg/Kg-dry	1	4/22/2014 22:39
Surr: Decachlorobiphenyl	*99.1*			*40-140*	*%REC*	1	4/22/2014 22:39
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0016**	J	**0.00079**	**0.040**	**mg/Kg-dry**	1	4/28/2014 13:48
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.076**	J	**0.0068**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Arsenic	**1.9**		**0.23**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Barium	**12**		**0.047**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Beryllium	**0.085**	J	**0.014**	**0.68**	**mg/Kg-dry**	5	4/27/2014 04:14
Cadmium	**0.10**	J	**0.0068**	**0.68**	**mg/Kg-dry**	5	4/27/2014 04:14
Chromium	**5.1**		**0.28**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Cobalt	**1.4**	J	**0.0068**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Copper	**4.5**		**0.33**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Iron	**5,800**		**5.6**	**27**	**mg/Kg-dry**	5	4/27/2014 04:14
Lead	**2.0**		**0.0068**	**1.7**	**mg/Kg-dry**	5	4/28/2014 01:37
Manganese	**38**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Molybdenum	**0.39**	J	**0.074**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Nickel	**4.6**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Selenium	**0.80**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Silver	U		0.0068	1.7	mg/Kg-dry	5	4/27/2014 04:14
Thallium	U		0.041	1.7	mg/Kg-dry	5	4/28/2014 01:37
Vanadium	**5.8**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/27/2014 04:14
Zinc	**10**		**0.14**	**3.4**	**mg/Kg-dry**	5	4/27/2014 04:14
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		2.9	7.0	µg/Kg-dry	1	4/22/2014 17:27
Acenaphthene	U		1.1	7.0	µg/Kg-dry	1	4/22/2014 17:27
Acenaphthylene	U		1.3	7.0	µg/Kg-dry	1	4/22/2014 17:27

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-034
Collection Date: 4/14/2014 01:22 PM

Work Order: 1404759
Lab ID: 1404759-34
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.0	µg/Kg-dry	1	4/22/2014 17:27
Benzo(a)anthracene	U		1.4	7.0	µg/Kg-dry	1	4/22/2014 17:27
Benzo(a)pyrene	U		2.3	7.0	µg/Kg-dry	1	4/22/2014 17:27
Benzo(b)fluoranthene	U		2.1	7.0	µg/Kg-dry	1	4/22/2014 17:27
Benzo(g,h,i)perylene	U		2.8	7.0	µg/Kg-dry	1	4/22/2014 17:27
Benzo(k)fluoranthene	U		1.5	7.0	µg/Kg-dry	1	4/22/2014 17:27
Chrysene	U		1.7	7.0	µg/Kg-dry	1	4/22/2014 17:27
Dibenzo(a,h)anthracene	U		2.6	7.0	µg/Kg-dry	1	4/22/2014 17:27
Fluoranthene	**4.2**	J	**2.5**	**7.0**	**µg/Kg-dry**	1	4/22/2014 17:27
Fluorene	U		2.4	7.0	µg/Kg-dry	1	4/22/2014 17:27
Indeno(1,2,3-cd)pyrene	U		2.3	7.0	µg/Kg-dry	1	4/22/2014 17:27
Naphthalene	U		2.6	7.0	µg/Kg-dry	1	4/22/2014 17:27
Phenanthrene	**6.0**	J	**1.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 17:27
Pyrene	U		2.4	7.0	µg/Kg-dry	1	4/22/2014 17:27
Surr: 2-Fluorobiphenyl	*81.0*			*12-100*	*%REC*	1	4/22/2014 17:27
Surr: 4-Terphenyl-d14	*94.9*			*25-137*	*%REC*	1	4/22/2014 17:27
Surr: Nitrobenzene-d5	*79.4*			*37-107*	*%REC*	1	4/22/2014 17:27
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/26/2014 12:08
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
1,1-Dichloroethane	U		12	34	µg/Kg-dry	1	4/26/2014 12:08
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/26/2014 12:08
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/26/2014 12:08
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/26/2014 12:08
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/26/2014 12:08
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
2-Butanone	U		84	230	µg/Kg-dry	1	4/26/2014 12:08
2-Hexanone	U		8.4	34	µg/Kg-dry	1	4/26/2014 12:08
4-Methyl-2-pentanone	U		12	34	µg/Kg-dry	1	4/26/2014 12:08
Acetone	U		72	110	µg/Kg-dry	1	4/26/2014 12:08
Benzene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
Bromodichloromethane	U		7.6	34	µg/Kg-dry	1	4/26/2014 12:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-034
Collection Date: 4/14/2014 01:22 PM

Work Order: 1404759
Lab ID: 1404759-34
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.7	34	µg/Kg-dry	1	4/26/2014 12:08
Bromomethane	U		13	85	µg/Kg-dry	1	4/26/2014 12:08
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/26/2014 12:08
Carbon tetrachloride	U		9.7	34	µg/Kg-dry	1	4/26/2014 12:08
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
Chloroethane	U		72	110	µg/Kg-dry	1	4/26/2014 12:08
Chloroform	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
Chloromethane	U		19	110	µg/Kg-dry	1	4/26/2014 12:08
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/26/2014 12:08
Cyclohexane	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
Dibromochloromethane	U		6.3	34	µg/Kg-dry	1	4/26/2014 12:08
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
Ethylbenzene	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
Methyl acetate	U		46	230	µg/Kg-dry	1	4/26/2014 12:08
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/26/2014 12:08
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/26/2014 12:08
Methylene chloride	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
Styrene	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
Toluene	U		13	34	µg/Kg-dry	1	4/26/2014 12:08
trans-1,2-Dichloroethene	U		10	34	µg/Kg-dry	1	4/26/2014 12:08
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/26/2014 12:08
Trichloroethene	U		16	34	µg/Kg-dry	1	4/26/2014 12:08
Trichlorofluoromethane	U		9.4	34	µg/Kg-dry	1	4/26/2014 12:08
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/26/2014 12:08
Xylenes, Total	U		40	100	µg/Kg-dry	1	4/26/2014 12:08
Surr: 1,2-Dichloroethane-d4	*94.0*			*70-130*	*%REC*	1	4/26/2014 12:08
Surr: 4-Bromofluorobenzene	*88.8*			*70-130*	*%REC*	1	4/26/2014 12:08
Surr: Dibromofluoromethane	*95.8*			*70-130*	*%REC*	1	4/26/2014 12:08
Surr: Toluene-d8	*97.7*			*70-130*	*%REC*	1	4/26/2014 12:08
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**5.5**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-035
Collection Date: 4/14/2014 01:25 PM

Work Order: 1404759
Lab ID: 1404759-35
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		48	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1221	U		48	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1232	U		48	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1242	U		48	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1248	U		48	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1254	U		31	85	µg/Kg-dry	1	4/22/2014 22:55
Aroclor 1260	U		31	85	µg/Kg-dry	1	4/22/2014 22:55
Surr: Decachlorobiphenyl	*99.1*			*40-140*	*%REC*	1	4/22/2014 22:55
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0015**	J	**0.00074**	**0.037**	**mg/Kg-dry**	1	4/28/2014 13:50
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.019**	J	**0.0066**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Arsenic	**0.57**	J	**0.22**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Barium	**10**		**0.046**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Cadmium	**0.0093**	J	**0.0066**	**0.66**	**mg/Kg-dry**	5	4/27/2014 04:20
Chromium	**3.5**		**0.27**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Cobalt	**0.89**	J	**0.0066**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Copper	**5.1**		**0.32**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Iron	**2,700**		**5.5**	**26**	**mg/Kg-dry**	5	4/27/2014 04:20
Manganese	**45**		**0.15**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Molybdenum	**0.082**	J	**0.073**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Nickel	**2.8**		**0.16**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Selenium	**0.57**	J	**0.21**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Silver	U		0.0066	1.6	mg/Kg-dry	5	4/27/2014 04:20
Vanadium	**4.7**		**0.099**	**1.6**	**mg/Kg-dry**	5	4/27/2014 04:20
Zinc	**5.8**		**0.14**	**3.3**	**mg/Kg-dry**	5	4/27/2014 04:20
BatchID: 57833							
Beryllium	**0.10**	J	**0.066**	**3.3**	**mg/Kg-dry**	25	4/28/2014 11:26
Lead	**1.8**	J	**0.033**	**8.2**	**mg/Kg-dry**	25	4/28/2014 11:26
Thallium	**0.20**	J	**0.20**	**8.2**	**mg/Kg-dry**	25	4/28/2014 11:26
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		2.9	6.9	µg/Kg-dry	1	4/22/2014 17:58
Acenaphthene	U		1.0	6.9	µg/Kg-dry	1	4/22/2014 17:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-035
Collection Date: 4/14/2014 01:25 PM

Work Order: 1404759
Lab ID: 1404759-35
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.3	6.9	µg/Kg-dry	1	4/22/2014 17:58
Anthracene	U		1.4	6.9	µg/Kg-dry	1	4/22/2014 17:58
Benzo(a)anthracene	U		1.4	6.9	µg/Kg-dry	1	4/22/2014 17:58
Benzo(a)pyrene	U		2.3	6.9	µg/Kg-dry	1	4/22/2014 17:58
Benzo(b)fluoranthene	U		2.0	6.9	µg/Kg-dry	1	4/22/2014 17:58
Benzo(g,h,i)perylene	U		2.7	6.9	µg/Kg-dry	1	4/22/2014 17:58
Benzo(k)fluoranthene	U		1.5	6.9	µg/Kg-dry	1	4/22/2014 17:58
Chrysene	U		1.6	6.9	µg/Kg-dry	1	4/22/2014 17:58
Dibenzo(a,h)anthracene	U		2.6	6.9	µg/Kg-dry	1	4/22/2014 17:58
Fluoranthene	U		2.4	6.9	µg/Kg-dry	1	4/22/2014 17:58
Fluorene	U		2.3	6.9	µg/Kg-dry	1	4/22/2014 17:58
Indeno(1,2,3-cd)pyrene	U		2.3	6.9	µg/Kg-dry	1	4/22/2014 17:58
Naphthalene	U		2.5	6.9	µg/Kg-dry	1	4/22/2014 17:58
Phenanthrene	U		1.4	6.9	µg/Kg-dry	1	4/22/2014 17:58
Pyrene	U		2.3	6.9	µg/Kg-dry	1	4/22/2014 17:58
Surr: 2-Fluorobiphenyl	*79.1*			*12-100*	*%REC*	1	4/22/2014 17:58
Surr: 4-Terphenyl-d14	*99.3*			*25-137*	*%REC*	1	4/22/2014 17:58
Surr: Nitrobenzene-d5	*82.4*			*37-107*	*%REC*	1	4/22/2014 17:58
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/26/2014 12:33
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
1,1-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
1,2,4-Trichlorobenzene	U		16	32	µg/Kg-dry	1	4/26/2014 12:33
1,2-Dibromo-3-chloropropane	U		15	32	µg/Kg-dry	1	4/26/2014 12:33
1,2-Dibromoethane	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/26/2014 12:33
1,2-Dichloropropane	U		11	32	µg/Kg-dry	1	4/26/2014 12:33
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
2-Butanone	U		78	210	µg/Kg-dry	1	4/26/2014 12:33
2-Hexanone	U		7.8	32	µg/Kg-dry	1	4/26/2014 12:33
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/26/2014 12:33
Acetone	U		67	110	µg/Kg-dry	1	4/26/2014 12:33
Benzene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-035
Collection Date: 4/14/2014 01:25 PM

Work Order: 1404759
Lab ID: 1404759-35
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		7.1	32	µg/Kg-dry	1	4/26/2014 12:33
Bromoform	U		6.2	32	µg/Kg-dry	1	4/26/2014 12:33
Bromomethane	U		12	79	µg/Kg-dry	1	4/26/2014 12:33
Carbon disulfide	U		16	32	µg/Kg-dry	1	4/26/2014 12:33
Carbon tetrachloride	U		9.0	32	µg/Kg-dry	1	4/26/2014 12:33
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
Chloroethane	U		67	110	µg/Kg-dry	1	4/26/2014 12:33
Chloroform	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 12:33
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 12:33
Cyclohexane	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
Dibromochloromethane	U		5.9	32	µg/Kg-dry	1	4/26/2014 12:33
Dichlorodifluoromethane	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
Methyl acetate	**1,400**		**43**	**210**	**µg/Kg-dry**	1	4/26/2014 12:33
Methyl tert-butyl ether	U		13	32	µg/Kg-dry	1	4/26/2014 12:33
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 12:33
Methylene chloride	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
Styrene	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
Toluene	U		12	32	µg/Kg-dry	1	4/26/2014 12:33
trans-1,2-Dichloroethene	U		9.8	32	µg/Kg-dry	1	4/26/2014 12:33
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 12:33
Trichloroethene	U		15	32	µg/Kg-dry	1	4/26/2014 12:33
Trichlorofluoromethane	U		8.7	32	µg/Kg-dry	1	4/26/2014 12:33
Vinyl chloride	U		14	32	µg/Kg-dry	1	4/26/2014 12:33
Xylenes, Total	U		37	95	µg/Kg-dry	1	4/26/2014 12:33
Surr: 1,2-Dichloroethane-d4	*93.0*			*70-130*	*%REC*	1	4/26/2014 12:33
Surr: 4-Bromofluorobenzene	*89.4*			*70-130*	*%REC*	1	4/26/2014 12:33
Surr: Dibromofluoromethane	*96.5*			*70-130*	*%REC*	1	4/26/2014 12:33
Surr: Toluene-d8	*98.2*			*70-130*	*%REC*	1	4/26/2014 12:33
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**5.4**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-036
Collection Date: 4/14/2014 01:45 PM

Work Order: 1404759
Lab ID: 1404759-36
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		57	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1221	U		57	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1232	U		57	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1242	U		57	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1248	U		57	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1254	U		37	100	µg/Kg-dry	1	4/22/2014 23:11
Aroclor 1260	U		37	100	µg/Kg-dry	1	4/22/2014 23:11
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/22/2014 23:11
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.049**		**0.00090**	**0.045**	**mg/Kg-dry**	1	4/28/2014 14:01
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**2.4**	J	**0.010**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Arsenic	**10**		**0.35**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Barium	**54**		**0.072**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Beryllium	**0.49**	J	**0.021**	**1.0**	**mg/Kg-dry**	5	4/27/2014 04:26
Cadmium	**0.44**	J	**0.010**	**1.0**	**mg/Kg-dry**	5	4/27/2014 04:26
Chromium	**5.5**		**0.42**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Cobalt	**5.3**		**0.010**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Copper	**33**		**0.50**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Iron	**22,000**		**8.6**	**41**	**mg/Kg-dry**	5	4/27/2014 04:26
Lead	**52**		**0.010**	**2.6**	**mg/Kg-dry**	5	4/28/2014 02:00
Manganese	**67**		**0.23**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Molybdenum	**1.7**	J	**0.11**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Nickel	**10**		**0.26**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Selenium	**1.4**	J	**0.33**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Silver	**0.012**	J	**0.010**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Thallium	**0.096**	J	**0.062**	**2.6**	**mg/Kg-dry**	5	4/28/2014 02:00
Vanadium	**10**		**0.15**	**2.6**	**mg/Kg-dry**	5	4/27/2014 04:26
Zinc	**14**		**0.22**	**5.1**	**mg/Kg-dry**	5	4/27/2014 04:26
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**830**		**34**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Acenaphthene	U		12	81	µg/Kg-dry	10	4/22/2014 23:13
Acenaphthylene	**190**		**15**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-036
Collection Date: 4/14/2014 01:45 PM

Work Order: 1404759
Lab ID: 1404759-36
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**170**		**16**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Benzo(a)anthracene	**610**		**16**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Benzo(a)pyrene	**820**		**26**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Benzo(b)fluoranthene	**1,900**		**24**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Benzo(g,h,i)perylene	**370**		**32**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Benzo(k)fluoranthene	**620**		**17**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Chrysene	**1,300**		**19**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Dibenzo(a,h)anthracene	**120**		**30**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Fluoranthene	**990**		**28**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Fluorene	U		27	81	µg/Kg-dry	10	4/22/2014 23:13
Indeno(1,2,3-cd)pyrene	**400**		**27**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Naphthalene	**730**		**30**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Phenanthrene	**750**		**16**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Pyrene	**1,000**		**27**	**81**	**µg/Kg-dry**	10	4/22/2014 23:13
Surr: 2-Fluorobiphenyl	*68.0*			*12-100*	*%REC*	10	4/22/2014 23:13
Surr: 4-Terphenyl-d14	*84.4*			*25-137*	*%REC*	10	4/22/2014 23:13
Surr: Nitrobenzene-d5	*63.2*			*37-107*	*%REC*	10	4/22/2014 23:13
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		26	68	µg/Kg-dry	1	4/26/2014 12:58
1,1,2,2-Tetrachloroethane	U		30	68	µg/Kg-dry	1	4/26/2014 12:58
1,1,2-Trichloroethane	U		24	68	µg/Kg-dry	1	4/26/2014 12:58
1,1,2-Trichlorotrifluoroethane	U		25	68	µg/Kg-dry	1	4/26/2014 12:58
1,1-Dichloroethane	U		25	68	µg/Kg-dry	1	4/26/2014 12:58
1,1-Dichloroethene	U		28	68	µg/Kg-dry	1	4/26/2014 12:58
1,2,4-Trichlorobenzene	U		35	68	µg/Kg-dry	1	4/26/2014 12:58
1,2-Dibromo-3-chloropropane	U		33	68	µg/Kg-dry	1	4/26/2014 12:58
1,2-Dibromoethane	U		27	68	µg/Kg-dry	1	4/26/2014 12:58
1,2-Dichlorobenzene	U		27	68	µg/Kg-dry	1	4/26/2014 12:58
1,2-Dichloroethane	U		32	68	µg/Kg-dry	1	4/26/2014 12:58
1,2-Dichloropropane	U		22	68	µg/Kg-dry	1	4/26/2014 12:58
1,3-Dichlorobenzene	U		27	68	µg/Kg-dry	1	4/26/2014 12:58
1,4-Dichlorobenzene	U		26	68	µg/Kg-dry	1	4/26/2014 12:58
2-Butanone	**200**	J	**170**	**450**	**µg/Kg-dry**	1	4/26/2014 12:58
2-Hexanone	U		17	68	µg/Kg-dry	1	4/26/2014 12:58
4-Methyl-2-pentanone	U		23	68	µg/Kg-dry	1	4/26/2014 12:58
Acetone	**310**		**140**	**230**	**µg/Kg-dry**	1	4/26/2014 12:58
Benzene	**360**		**27**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
Bromodichloromethane	U		15	68	µg/Kg-dry	1	4/26/2014 12:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-036
Collection Date: 4/14/2014 01:45 PM

Work Order: 1404759
Lab ID: 1404759-36
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		13	68	µg/Kg-dry	1	4/26/2014 12:58
Bromomethane	U		26	170	µg/Kg-dry	1	4/26/2014 12:58
Carbon disulfide	U		34	68	µg/Kg-dry	1	4/26/2014 12:58
Carbon tetrachloride	U		19	68	µg/Kg-dry	1	4/26/2014 12:58
Chlorobenzene	U		28	68	µg/Kg-dry	1	4/26/2014 12:58
Chloroethane	U		140	230	µg/Kg-dry	1	4/26/2014 12:58
Chloroform	U		28	68	µg/Kg-dry	1	4/26/2014 12:58
Chloromethane	U		38	230	µg/Kg-dry	1	4/26/2014 12:58
cis-1,2-Dichloroethene	U		27	68	µg/Kg-dry	1	4/26/2014 12:58
cis-1,3-Dichloropropene	U		23	68	µg/Kg-dry	1	4/26/2014 12:58
Cyclohexane	**1,300**		**30**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
Dibromochloromethane	U		13	68	µg/Kg-dry	1	4/26/2014 12:58
Dichlorodifluoromethane	U		31	68	µg/Kg-dry	1	4/26/2014 12:58
Ethylbenzene	**840**		**25**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
Isopropylbenzene	**600**		**29**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
Methyl acetate	**380**	J	**91**	**450**	**µg/Kg-dry**	1	4/26/2014 12:58
Methyl tert-butyl ether	U		29	68	µg/Kg-dry	1	4/26/2014 12:58
Methylcyclohexane	**4,300**		**31**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
Methylene chloride	U		27	68	µg/Kg-dry	1	4/26/2014 12:58
Styrene	U		25	68	µg/Kg-dry	1	4/26/2014 12:58
Tetrachloroethene	U		30	68	µg/Kg-dry	1	4/26/2014 12:58
Toluene	**2,800**		**25**	**68**	**µg/Kg-dry**	1	4/26/2014 12:58
trans-1,2-Dichloroethene	U		21	68	µg/Kg-dry	1	4/26/2014 12:58
trans-1,3-Dichloropropene	U		23	68	µg/Kg-dry	1	4/26/2014 12:58
Trichloroethene	U		32	68	µg/Kg-dry	1	4/26/2014 12:58
Trichlorofluoromethane	U		19	68	µg/Kg-dry	1	4/26/2014 12:58
Vinyl chloride	U		31	68	µg/Kg-dry	1	4/26/2014 12:58
Xylenes, Total	**5,100**		**80**	**200**	**µg/Kg-dry**	1	4/26/2014 12:58
Surr: 1,2-Dichloroethane-d4	*93.0*			*70-130*	*%REC*	1	4/26/2014 12:58
Surr: 4-Bromofluorobenzene	*92.6*			*70-130*	*%REC*	1	4/26/2014 12:58
Surr: Dibromofluoromethane	*95.0*			*70-130*	*%REC*	1	4/26/2014 12:58
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/26/2014 12:58
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**20**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-037
Collection Date: 4/14/2014 01:47 PM

Work Order: 1404759
Lab ID: 1404759-37
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		52	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1221	U		52	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1232	U		52	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1242	U		52	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1248	U		52	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1254	U		34	92	µg/Kg-dry	1	4/22/2014 23:27
Aroclor 1260	U		34	92	µg/Kg-dry	1	4/22/2014 23:27
Surr: Decachlorobiphenyl	*94.1*			*40-140*	*%REC*	1	4/22/2014 23:27
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.015**	J	**0.00089**	**0.044**	**mg/Kg-dry**	1	4/28/2014 14:03
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.48**	J	**0.0086**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Arsenic	**7.8**		**0.29**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Barium	**30**		**0.060**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Beryllium	**0.40**	J	**0.017**	**0.86**	**mg/Kg-dry**	5	4/27/2014 06:54
Cadmium	**0.10**	J	**0.0086**	**0.86**	**mg/Kg-dry**	5	4/27/2014 06:54
Chromium	**5.5**		**0.35**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Cobalt	**6.2**		**0.0086**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Copper	**19**		**0.42**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Iron	**29,000**		**7.2**	**35**	**mg/Kg-dry**	5	4/27/2014 06:54
Lead	**5.1**		**0.0086**	**2.2**	**mg/Kg-dry**	5	4/28/2014 02:06
Manganese	**22**		**0.19**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Molybdenum	**2.1**	J	**0.095**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Nickel	**14**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Selenium	**0.86**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Silver	**0.028**	J	**0.0086**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Thallium	**0.072**	J	**0.052**	**2.2**	**mg/Kg-dry**	5	4/28/2014 02:06
Vanadium	**12**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/27/2014 06:54
Zinc	**4.2**	J	**0.18**	**4.3**	**mg/Kg-dry**	5	4/27/2014 06:54
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**1,700**		**31**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Acenaphthene	U		11	75	µg/Kg-dry	10	4/22/2014 23:44
Acenaphthylene	U		14	75	µg/Kg-dry	10	4/22/2014 23:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-037
Collection Date: 4/14/2014 01:47 PM

Work Order: 1404759
Lab ID: 1404759-37
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**83**		**15**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Benzo(a)anthracene	U		15	75	µg/Kg-dry	10	4/22/2014 23:44
Benzo(a)pyrene	**79**		**24**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Benzo(b)fluoranthene	**140**		**22**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Benzo(g,h,i)perylene	U		29	75	µg/Kg-dry	10	4/22/2014 23:44
Benzo(k)fluoranthene	**68**	J	**16**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Chrysene	**170**		**18**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Dibenzo(a,h)anthracene	U		28	75	µg/Kg-dry	10	4/22/2014 23:44
Fluoranthene	**150**		**26**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Fluorene	U		25	75	µg/Kg-dry	10	4/22/2014 23:44
Indeno(1,2,3-cd)pyrene	U		25	75	µg/Kg-dry	10	4/22/2014 23:44
Naphthalene	**1,400**		**28**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Phenanthrene	**760**		**15**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Pyrene	**210**		**25**	**75**	**µg/Kg-dry**	10	4/22/2014 23:44
Surr: 2-Fluorobiphenyl	*75.4*			*12-100*	*%REC*	10	4/22/2014 23:44
Surr: 4-Terphenyl-d14	*94.2*			*25-137*	*%REC*	10	4/22/2014 23:44
Surr: Nitrobenzene-d5	*75.0*			*37-107*	*%REC*	10	4/22/2014 23:44
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		26	67	µg/Kg-dry	1	4/25/2014 17:43
1,1,2,2-Tetrachloroethane	U		30	67	µg/Kg-dry	1	4/25/2014 17:43
1,1,2-Trichloroethane	U		24	67	µg/Kg-dry	1	4/25/2014 17:43
1,1,2-Trichlorotrifluoroethane	U		25	67	µg/Kg-dry	1	4/25/2014 17:43
1,1-Dichloroethane	U		25	67	µg/Kg-dry	1	4/25/2014 17:43
1,1-Dichloroethene	U		28	67	µg/Kg-dry	1	4/25/2014 17:43
1,2,4-Trichlorobenzene	U		35	67	µg/Kg-dry	1	4/25/2014 17:43
1,2-Dibromo-3-chloropropane	U		33	67	µg/Kg-dry	1	4/25/2014 17:43
1,2-Dibromoethane	U		26	67	µg/Kg-dry	1	4/25/2014 17:43
1,2-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 17:43
1,2-Dichloroethane	U		32	67	µg/Kg-dry	1	4/25/2014 17:43
1,2-Dichloropropane	U		22	67	µg/Kg-dry	1	4/25/2014 17:43
1,3-Dichlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 17:43
1,4-Dichlorobenzene	U		26	67	µg/Kg-dry	1	4/25/2014 17:43
2-Butanone	U		170	450	µg/Kg-dry	1	4/25/2014 17:43
2-Hexanone	U		16	67	µg/Kg-dry	1	4/25/2014 17:43
4-Methyl-2-pentanone	U		23	67	µg/Kg-dry	1	4/25/2014 17:43
Acetone	U		140	220	µg/Kg-dry	1	4/25/2014 17:43
Benzene	**370**		**27**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Bromodichloromethane	U		15	67	µg/Kg-dry	1	4/25/2014 17:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-037
Collection Date: 4/14/2014 01:47 PM

Work Order: 1404759
Lab ID: 1404759-37
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		13	67	µg/Kg-dry	1	4/25/2014 17:43
Bromomethane	U		26	170	µg/Kg-dry	1	4/25/2014 17:43
Carbon disulfide	**140**		**33**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Carbon tetrachloride	U		19	67	µg/Kg-dry	1	4/25/2014 17:43
Chlorobenzene	U		27	67	µg/Kg-dry	1	4/25/2014 17:43
Chloroethane	U		140	220	µg/Kg-dry	1	4/25/2014 17:43
Chloroform	U		28	67	µg/Kg-dry	1	4/25/2014 17:43
Chloromethane	U		37	220	µg/Kg-dry	1	4/25/2014 17:43
cis-1,2-Dichloroethene	U		27	67	µg/Kg-dry	1	4/25/2014 17:43
cis-1,3-Dichloropropene	U		23	67	µg/Kg-dry	1	4/25/2014 17:43
Cyclohexane	**960**		**30**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Dibromochloromethane	U		12	67	µg/Kg-dry	1	4/25/2014 17:43
Dichlorodifluoromethane	U		30	67	µg/Kg-dry	1	4/25/2014 17:43
Ethylbenzene	**640**		**25**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Isopropylbenzene	**520**		**29**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Methyl acetate	U		90	450	µg/Kg-dry	1	4/25/2014 17:43
Methyl tert-butyl ether	U		28	67	µg/Kg-dry	1	4/25/2014 17:43
Methylcyclohexane	**3,400**		**31**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
Methylene chloride	U		26	67	µg/Kg-dry	1	4/25/2014 17:43
Styrene	U		25	67	µg/Kg-dry	1	4/25/2014 17:43
Tetrachloroethene	U		30	67	µg/Kg-dry	1	4/25/2014 17:43
Toluene	**1,900**		**25**	**67**	**µg/Kg-dry**	1	4/25/2014 17:43
trans-1,2-Dichloroethene	U		21	67	µg/Kg-dry	1	4/25/2014 17:43
trans-1,3-Dichloropropene	U		22	67	µg/Kg-dry	1	4/25/2014 17:43
Trichloroethene	U		31	67	µg/Kg-dry	1	4/25/2014 17:43
Trichlorofluoromethane	U		18	67	µg/Kg-dry	1	4/25/2014 17:43
Vinyl chloride	U		30	67	µg/Kg-dry	1	4/25/2014 17:43
Xylenes, Total	**4,200**		**79**	**200**	**µg/Kg-dry**	1	4/25/2014 17:43
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 17:43
Surr: 4-Bromofluorobenzene	*99.6*			*70-130*	*%REC*	1	4/25/2014 17:43
Surr: Dibromofluoromethane	*99.7*			*70-130*	*%REC*	1	4/25/2014 17:43
Surr: Toluene-d8	*99.0*			*70-130*	*%REC*	1	4/25/2014 17:43
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-038
Collection Date: 4/14/2014 01:50 PM

Work Order: 1404759
Lab ID: 1404759-38
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/22/14		Analyst: **JD**
BatchID: 57847							
Aroclor 1016	U		51	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1221	U		51	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1232	U		51	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1242	U		51	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1248	U		51	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1254	U		33	89	µg/Kg-dry	1	4/22/2014 23:43
Aroclor 1260	U		33	89	µg/Kg-dry	1	4/22/2014 23:43
Surr: Decachlorobiphenyl	*89.1*			*40-140*	*%REC*	1	4/22/2014 23:43
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/26/14		Analyst: **LR**
BatchID: 58006							
Mercury	**0.017**	J	**0.00079**	**0.039**	**mg/Kg-dry**	1	4/28/2014 10:40
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/22/14		Analyst: **ML**
BatchID: 57833							
Antimony	**0.54**	J	**0.0089**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Arsenic	**3.4**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Barium	**20**		**0.062**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Beryllium	**0.27**	J	**0.018**	**0.89**	**mg/Kg-dry**	5	4/27/2014 07:00
Cadmium	**0.30**	J	**0.0089**	**0.89**	**mg/Kg-dry**	5	4/27/2014 07:00
Chromium	**6.2**		**0.36**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Cobalt	**3.0**		**0.0089**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Copper	**14**		**0.43**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Iron	**9,600**		**7.4**	**35**	**mg/Kg-dry**	5	4/27/2014 07:00
Lead	**12**		**0.0089**	**2.2**	**mg/Kg-dry**	5	4/28/2014 02:12
Manganese	**160**		**0.20**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Molybdenum	**0.97**	J	**0.098**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Nickel	**8.0**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Selenium	**1.0**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Silver	**0.022**	J	**0.0089**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Thallium	**0.088**	J	**0.053**	**2.2**	**mg/Kg-dry**	5	4/28/2014 02:12
Vanadium	**9.4**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/27/2014 07:00
Zinc	**22**		**0.19**	**4.4**	**mg/Kg-dry**	5	4/27/2014 07:00
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/21/14		Analyst: **RM**
BatchID: 57822							
2-Methylnaphthalene	U		3.0	7.2	µg/Kg-dry	1	4/22/2014 18:17
Acenaphthene	U		1.1	7.2	µg/Kg-dry	1	4/22/2014 18:17
Acenaphthylene	U		1.3	7.2	µg/Kg-dry	1	4/22/2014 18:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-038
Collection Date: 4/14/2014 01:50 PM

Work Order: 1404759
Lab ID: 1404759-38
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**41**		**1.4**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Benzo(a)anthracene	**96**		**1.4**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Benzo(a)pyrene	**110**		**2.3**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Benzo(b)fluoranthene	**170**		**2.1**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Benzo(g,h,i)perylene	**77**		**2.8**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Benzo(k)fluoranthene	**81**		**1.5**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Chrysene	**100**		**1.7**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Dibenzo(a,h)anthracene	U		2.7	7.2	µg/Kg-dry	1	4/22/2014 18:17
Fluoranthene	**90**		**2.5**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Fluorene	U		2.4	7.2	µg/Kg-dry	1	4/22/2014 18:17
Indeno(1,2,3-cd)pyrene	**110**		**2.4**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Naphthalene	U		2.6	7.2	µg/Kg-dry	1	4/22/2014 18:17
Phenanthrene	**53**		**1.4**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Pyrene	**63**		**2.4**	**7.2**	**µg/Kg-dry**	1	4/22/2014 18:17
Surr: 2-Fluorobiphenyl	*61.8*			*12-100*	*%REC*	1	4/22/2014 18:17
Surr: 4-Terphenyl-d14	*74.7*			*25-137*	*%REC*	1	4/22/2014 18:17
Surr: Nitrobenzene-d5	*58.1*			*37-107*	*%REC*	1	4/22/2014 18:17
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **BG**
BatchID: 57896							
1,1,1-Trichloroethane	U		20	52	µg/Kg-dry	1	4/25/2014 11:32
1,1,2,2-Tetrachloroethane	U		23	52	µg/Kg-dry	1	4/25/2014 11:32
1,1,2-Trichloroethane	U		18	52	µg/Kg-dry	1	4/25/2014 11:32
1,1,2-Trichlorotrifluoroethane	U		19	52	µg/Kg-dry	1	4/25/2014 11:32
1,1-Dichloroethane	U		19	52	µg/Kg-dry	1	4/25/2014 11:32
1,1-Dichloroethene	U		22	52	µg/Kg-dry	1	4/25/2014 11:32
1,2,4-Trichlorobenzene	U		27	52	µg/Kg-dry	1	4/25/2014 11:32
1,2-Dibromo-3-chloropropane	U		25	52	µg/Kg-dry	1	4/25/2014 11:32
1,2-Dibromoethane	U		20	52	µg/Kg-dry	1	4/25/2014 11:32
1,2-Dichlorobenzene	U		21	52	µg/Kg-dry	1	4/25/2014 11:32
1,2-Dichloroethane	U		25	52	µg/Kg-dry	1	4/25/2014 11:32
1,2-Dichloropropane	U		17	52	µg/Kg-dry	1	4/25/2014 11:32
1,3-Dichlorobenzene	U		21	52	µg/Kg-dry	1	4/25/2014 11:32
1,4-Dichlorobenzene	U		20	52	µg/Kg-dry	1	4/25/2014 11:32
2-Butanone	U		130	340	µg/Kg-dry	1	4/25/2014 11:32
2-Hexanone	U		13	52	µg/Kg-dry	1	4/25/2014 11:32
4-Methyl-2-pentanone	U		17	52	µg/Kg-dry	1	4/25/2014 11:32
Acetone	U		110	170	µg/Kg-dry	1	4/25/2014 11:32
Benzene	**130**		**21**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
Bromodichloromethane	U		12	52	µg/Kg-dry	1	4/25/2014 11:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-038
Collection Date: 4/14/2014 01:50 PM

Work Order: 1404759
Lab ID: 1404759-38
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		10	52	µg/Kg-dry	1	4/25/2014 11:32
Bromomethane	U		20	130	µg/Kg-dry	1	4/25/2014 11:32
Carbon disulfide	U		26	52	µg/Kg-dry	1	4/25/2014 11:32
Carbon tetrachloride	U		15	52	µg/Kg-dry	1	4/25/2014 11:32
Chlorobenzene	U		21	52	µg/Kg-dry	1	4/25/2014 11:32
Chloroethane	U		110	170	µg/Kg-dry	1	4/25/2014 11:32
Chloroform	U		21	52	µg/Kg-dry	1	4/25/2014 11:32
Chloromethane	U		29	170	µg/Kg-dry	1	4/25/2014 11:32
cis-1,2-Dichloroethene	U		21	52	µg/Kg-dry	1	4/25/2014 11:32
cis-1,3-Dichloropropene	U		18	52	µg/Kg-dry	1	4/25/2014 11:32
Cyclohexane	**280**		**23**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
Dibromochloromethane	U		9.6	52	µg/Kg-dry	1	4/25/2014 11:32
Dichlorodifluoromethane	U		23	52	µg/Kg-dry	1	4/25/2014 11:32
Ethylbenzene	**64**		**19**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
Isopropylbenzene	**40**	J	**22**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
Methyl acetate	**250**	J	**69**	**340**	**µg/Kg-dry**	1	4/25/2014 11:32
Methyl tert-butyl ether	U		22	52	µg/Kg-dry	1	4/25/2014 11:32
Methylcyclohexane	**800**		**24**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
Methylene chloride	U		20	52	µg/Kg-dry	1	4/25/2014 11:32
Styrene	U		19	52	µg/Kg-dry	1	4/25/2014 11:32
Tetrachloroethene	U		23	52	µg/Kg-dry	1	4/25/2014 11:32
Toluene	**310**		**19**	**52**	**µg/Kg-dry**	1	4/25/2014 11:32
trans-1,2-Dichloroethene	U		16	52	µg/Kg-dry	1	4/25/2014 11:32
trans-1,3-Dichloropropene	U		17	52	µg/Kg-dry	1	4/25/2014 11:32
Trichloroethene	U		24	52	µg/Kg-dry	1	4/25/2014 11:32
Trichlorofluoromethane	U		14	52	µg/Kg-dry	1	4/25/2014 11:32
Vinyl chloride	U		23	52	µg/Kg-dry	1	4/25/2014 11:32
Xylenes, Total	**540**		**61**	**160**	**µg/Kg-dry**	1	4/25/2014 11:32
Surr: 1,2-Dichloroethane-d4	*95.0*			*70-130*	*%REC*	1	4/25/2014 11:32
Surr: 4-Bromofluorobenzene	*91.1*			*70-130*	*%REC*	1	4/25/2014 11:32
Surr: Dibromofluoromethane	*95.0*			*70-130*	*%REC*	1	4/25/2014 11:32
Surr: Toluene-d8	*99.1*			*70-130*	*%REC*	1	4/25/2014 11:32
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**8.9**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-039
Collection Date: 4/14/2014 01:52 PM

Work Order: 1404759
Lab ID: 1404759-39
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		81	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1221	U		81	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1232	U		81	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1242	U		81	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1248	U		81	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1254	U		52	140	µg/Kg-dry	1	4/23/2014 12:04
Aroclor 1260	U		52	140	µg/Kg-dry	1	4/23/2014 12:04
Surr: Decachlorobiphenyl	*69.1*			*40-140*	*%REC*	1	4/23/2014 12:04
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0020**	J	**0.0013**	**0.063**	**mg/Kg-dry**	1	4/28/2014 14:06
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.18**	J	**0.014**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Arsenic	**4.5**		**0.47**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Barium	**230**		**0.096**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Beryllium	**0.097**	J	**0.028**	**1.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Cadmium	**0.16**	J	**0.014**	**1.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Chromium	**2.8**	J	**0.56**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Cobalt	**0.94**	J	**0.014**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Copper	**5.1**		**0.67**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Iron	**5,200**		**11**	**55**	**mg/Kg-dry**	5	4/26/2014 11:35
Manganese	**120**		**0.30**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Molybdenum	**3.9**		**0.15**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Nickel	**4.6**		**0.34**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Selenium	**0.98**	J	**0.44**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Silver	**0.017**	J	**0.014**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Vanadium	**4.4**		**0.21**	**3.4**	**mg/Kg-dry**	5	4/26/2014 11:35
Zinc	**7.3**		**0.29**	**6.9**	**mg/Kg-dry**	5	4/26/2014 11:35
BatchID: 57902							
Lead	**3.9**	J	**0.069**	**17**	**mg/Kg-dry**	25	4/26/2014 21:06
Thallium	U		0.41	17	mg/Kg-dry	25	4/26/2014 21:06
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57828							
2-Methylnaphthalene	U		4.8	12	µg/Kg-dry	1	4/24/2014 20:44
Acenaphthene	U		1.7	12	µg/Kg-dry	1	4/24/2014 20:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-039
Collection Date: 4/14/2014 01:52 PM

Work Order: 1404759
Lab ID: 1404759-39
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		2.1	12	µg/Kg-dry	1	4/24/2014 20:44
Anthracene	U		2.3	12	µg/Kg-dry	1	4/24/2014 20:44
Benzo(a)anthracene	U		2.3	12	µg/Kg-dry	1	4/24/2014 20:44
Benzo(a)pyrene	U		3.8	12	µg/Kg-dry	1	4/24/2014 20:44
Benzo(b)fluoranthene	U		3.4	12	µg/Kg-dry	1	4/24/2014 20:44
Benzo(g,h,i)perylene	U		4.6	12	µg/Kg-dry	1	4/24/2014 20:44
Benzo(k)fluoranthene	U		2.5	12	µg/Kg-dry	1	4/24/2014 20:44
Chrysene	U		2.8	12	µg/Kg-dry	1	4/24/2014 20:44
Dibenzo(a,h)anthracene	U		4.3	12	µg/Kg-dry	1	4/24/2014 20:44
Fluoranthene	U		4.1	12	µg/Kg-dry	1	4/24/2014 20:44
Fluorene	U		3.9	12	µg/Kg-dry	1	4/24/2014 20:44
Indeno(1,2,3-cd)pyrene	U		3.9	12	µg/Kg-dry	1	4/24/2014 20:44
Naphthalene	U		4.3	12	µg/Kg-dry	1	4/24/2014 20:44
Phenanthrene	U		2.3	12	µg/Kg-dry	1	4/24/2014 20:44
Pyrene	U		3.9	12	µg/Kg-dry	1	4/24/2014 20:44
Surr: 2-Fluorobiphenyl	*67.2*			*12-100*	*%REC*	1	4/24/2014 20:44
Surr: 4-Terphenyl-d14	*84.9*			*25-137*	*%REC*	1	4/24/2014 20:44
Surr: Nitrobenzene-d5	*58.1*			*37-107*	*%REC*	1	4/24/2014 20:44
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		27	70	µg/Kg-dry	1	4/25/2014 18:07
1,1,2,2-Tetrachloroethane	U		31	70	µg/Kg-dry	1	4/25/2014 18:07
1,1,2-Trichloroethane	U		25	70	µg/Kg-dry	1	4/25/2014 18:07
1,1,2-Trichlorotrifluoroethane	U		26	70	µg/Kg-dry	1	4/25/2014 18:07
1,1-Dichloroethane	U		26	70	µg/Kg-dry	1	4/25/2014 18:07
1,1-Dichloroethene	U		30	70	µg/Kg-dry	1	4/25/2014 18:07
1,2,4-Trichlorobenzene	U		36	70	µg/Kg-dry	1	4/25/2014 18:07
1,2-Dibromo-3-chloropropane	U		34	70	µg/Kg-dry	1	4/25/2014 18:07
1,2-Dibromoethane	U		28	70	µg/Kg-dry	1	4/25/2014 18:07
1,2-Dichlorobenzene	U		28	70	µg/Kg-dry	1	4/25/2014 18:07
1,2-Dichloroethane	U		33	70	µg/Kg-dry	1	4/25/2014 18:07
1,2-Dichloropropane	U		23	70	µg/Kg-dry	1	4/25/2014 18:07
1,3-Dichlorobenzene	U		28	70	µg/Kg-dry	1	4/25/2014 18:07
1,4-Dichlorobenzene	U		27	70	µg/Kg-dry	1	4/25/2014 18:07
2-Butanone	U		170	470	µg/Kg-dry	1	4/25/2014 18:07
2-Hexanone	U		17	70	µg/Kg-dry	1	4/25/2014 18:07
4-Methyl-2-pentanone	U		24	70	µg/Kg-dry	1	4/25/2014 18:07
Acetone	U		150	230	µg/Kg-dry	1	4/25/2014 18:07
Benzene	U		28	70	µg/Kg-dry	1	4/25/2014 18:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-039
Collection Date: 4/14/2014 01:52 PM

Work Order: 1404759
Lab ID: 1404759-39
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		16	70	µg/Kg-dry	1	4/25/2014 18:07
Bromoform	U		14	70	µg/Kg-dry	1	4/25/2014 18:07
Bromomethane	U		27	180	µg/Kg-dry	1	4/25/2014 18:07
Carbon disulfide	U		35	70	µg/Kg-dry	1	4/25/2014 18:07
Carbon tetrachloride	U		20	70	µg/Kg-dry	1	4/25/2014 18:07
Chlorobenzene	U		29	70	µg/Kg-dry	1	4/25/2014 18:07
Chloroethane	U		150	230	µg/Kg-dry	1	4/25/2014 18:07
Chloroform	U		29	70	µg/Kg-dry	1	4/25/2014 18:07
Chloromethane	U		39	230	µg/Kg-dry	1	4/25/2014 18:07
cis-1,2-Dichloroethene	U		29	70	µg/Kg-dry	1	4/25/2014 18:07
cis-1,3-Dichloropropene	U		24	70	µg/Kg-dry	1	4/25/2014 18:07
Cyclohexane	U		32	70	µg/Kg-dry	1	4/25/2014 18:07
Dibromochloromethane	U		13	70	µg/Kg-dry	1	4/25/2014 18:07
Dichlorodifluoromethane	U		32	70	µg/Kg-dry	1	4/25/2014 18:07
Ethylbenzene	U		26	70	µg/Kg-dry	1	4/25/2014 18:07
Isopropylbenzene	U		30	70	µg/Kg-dry	1	4/25/2014 18:07
Methyl acetate	U		94	470	µg/Kg-dry	1	4/25/2014 18:07
Methyl tert-butyl ether	U		30	70	µg/Kg-dry	1	4/25/2014 18:07
Methylcyclohexane	U		33	70	µg/Kg-dry	1	4/25/2014 18:07
Methylene chloride	U		28	70	µg/Kg-dry	1	4/25/2014 18:07
Styrene	U		26	70	µg/Kg-dry	1	4/25/2014 18:07
Tetrachloroethene	U		31	70	µg/Kg-dry	1	4/25/2014 18:07
Toluene	U		26	70	µg/Kg-dry	1	4/25/2014 18:07
trans-1,2-Dichloroethene	U		22	70	µg/Kg-dry	1	4/25/2014 18:07
trans-1,3-Dichloropropene	U		24	70	µg/Kg-dry	1	4/25/2014 18:07
Trichloroethene	U		33	70	µg/Kg-dry	1	4/25/2014 18:07
Trichlorofluoromethane	U		19	70	µg/Kg-dry	1	4/25/2014 18:07
Vinyl chloride	U		32	70	µg/Kg-dry	1	4/25/2014 18:07
Xylenes, Total	U		83	210	µg/Kg-dry	1	4/25/2014 18:07
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 18:07
Surr: 4-Bromofluorobenzene	*96.4*			*70-130*	*%REC*	1	4/25/2014 18:07
Surr: Dibromofluoromethane	*99.0*			*70-130*	*%REC*	1	4/25/2014 18:07
Surr: Toluene-d8	*99.9*			*70-130*	*%REC*	1	4/25/2014 18:07
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**44**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-040
Collection Date: 4/14/2014 01:55 PM

Work Order: 1404759
Lab ID: 1404759-40
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		49	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1221	U		49	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1232	U		49	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1242	U		49	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1248	U		49	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1254	U		32	86	µg/Kg-dry	1	4/23/2014 12:20
Aroclor 1260	U		32	86	µg/Kg-dry	1	4/23/2014 12:20
Surr: Decachlorobiphenyl	*82.1*			*40-140*	*%REC*	1	4/23/2014 12:20
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0027**	J	**0.00081**	**0.040**	**mg/Kg-dry**	1	4/28/2014 14:08
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.14**	J	**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Arsenic	**2.9**		**0.26**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Barium	**64**		**0.053**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Beryllium	**0.086**	J	**0.015**	**0.76**	**mg/Kg-dry**	5	4/26/2014 11:41
Cadmium	**0.097**	J	**0.0076**	**0.76**	**mg/Kg-dry**	5	4/26/2014 11:41
Chromium	**4.1**		**0.31**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Cobalt	**1.7**	J	**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Copper	**5.5**		**0.37**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Iron	**4,900**		**6.3**	**30**	**mg/Kg-dry**	5	4/26/2014 11:41
Lead	**2.0**		**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Manganese	**56**		**0.17**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Molybdenum	**2.3**		**0.084**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Nickel	**4.7**		**0.19**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Selenium	**1.2**	J	**0.24**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Silver	U		0.0076	1.9	mg/Kg-dry	5	4/26/2014 11:41
Thallium	**0.093**	J	**0.046**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Vanadium	**7.8**		**0.11**	**1.9**	**mg/Kg-dry**	5	4/26/2014 11:41
Zinc	**9.8**		**0.16**	**3.8**	**mg/Kg-dry**	5	4/26/2014 11:41
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		3.0	7.2	µg/Kg-dry	1	4/23/2014 20:36
Acenaphthene	U		1.1	7.2	µg/Kg-dry	1	4/23/2014 20:36
Acenaphthylene	U		1.3	7.2	µg/Kg-dry	1	4/23/2014 20:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-040
Collection Date: 4/14/2014 01:55 PM

Work Order: 1404759
Lab ID: 1404759-40
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Benzo(a)anthracene	U		1.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Benzo(a)pyrene	U		2.3	7.2	µg/Kg-dry	1	4/23/2014 20:36
Benzo(b)fluoranthene	U		2.1	7.2	µg/Kg-dry	1	4/23/2014 20:36
Benzo(g,h,i)perylene	U		2.8	7.2	µg/Kg-dry	1	4/23/2014 20:36
Benzo(k)fluoranthene	U		1.5	7.2	µg/Kg-dry	1	4/23/2014 20:36
Chrysene	U		1.7	7.2	µg/Kg-dry	1	4/23/2014 20:36
Dibenzo(a,h)anthracene	U		2.7	7.2	µg/Kg-dry	1	4/23/2014 20:36
Fluoranthene	U		2.5	7.2	µg/Kg-dry	1	4/23/2014 20:36
Fluorene	U		2.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Indeno(1,2,3-cd)pyrene	U		2.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Naphthalene	U		2.7	7.2	µg/Kg-dry	1	4/23/2014 20:36
Phenanthrene	U		1.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Pyrene	U		2.4	7.2	µg/Kg-dry	1	4/23/2014 20:36
Surr: 2-Fluorobiphenyl	*64.1*			*12-100*	*%REC*	1	4/23/2014 20:36
Surr: 4-Terphenyl-d14	*108*			*25-137*	*%REC*	1	4/23/2014 20:36
Surr: Nitrobenzene-d5	*46.4*			*37-107*	*%REC*	1	4/23/2014 20:36
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/25/2014 18:31
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 18:31
1,1,2-Trichlorotrifluoroethane	U		12	34	µg/Kg-dry	1	4/25/2014 18:31
1,1-Dichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 18:31
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
1,2,4-Trichlorobenzene	U		17	34	µg/Kg-dry	1	4/25/2014 18:31
1,2-Dibromo-3-chloropropane	U		16	34	µg/Kg-dry	1	4/25/2014 18:31
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
1,2-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/25/2014 18:31
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/25/2014 18:31
1,3-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
2-Butanone	U		83	220	µg/Kg-dry	1	4/25/2014 18:31
2-Hexanone	U		8.2	34	µg/Kg-dry	1	4/25/2014 18:31
4-Methyl-2-pentanone	U		11	34	µg/Kg-dry	1	4/25/2014 18:31
Acetone	U		71	110	µg/Kg-dry	1	4/25/2014 18:31
Benzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
Bromodichloromethane	U		7.5	34	µg/Kg-dry	1	4/25/2014 18:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-040
Collection Date: 4/14/2014 01:55 PM

Work Order: 1404759
Lab ID: 1404759-40
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.6	34	µg/Kg-dry	1	4/25/2014 18:31
Bromomethane	U		13	84	µg/Kg-dry	1	4/25/2014 18:31
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/25/2014 18:31
Carbon tetrachloride	U		9.6	34	µg/Kg-dry	1	4/25/2014 18:31
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
Chloroethane	U		71	110	µg/Kg-dry	1	4/25/2014 18:31
Chloroform	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
Chloromethane	U		19	110	µg/Kg-dry	1	4/25/2014 18:31
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
cis-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/25/2014 18:31
Cyclohexane	U		15	34	µg/Kg-dry	1	4/25/2014 18:31
Dibromochloromethane	U		6.2	34	µg/Kg-dry	1	4/25/2014 18:31
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/25/2014 18:31
Ethylbenzene	U		12	34	µg/Kg-dry	1	4/25/2014 18:31
Isopropylbenzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
Methyl acetate	U		45	220	µg/Kg-dry	1	4/25/2014 18:31
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/25/2014 18:31
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/25/2014 18:31
Methylene chloride	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
Styrene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/25/2014 18:31
Toluene	U		13	34	µg/Kg-dry	1	4/25/2014 18:31
trans-1,2-Dichloroethene	U		10	34	µg/Kg-dry	1	4/25/2014 18:31
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/25/2014 18:31
Trichloroethene	U		16	34	µg/Kg-dry	1	4/25/2014 18:31
Trichlorofluoromethane	U		9.3	34	µg/Kg-dry	1	4/25/2014 18:31
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/25/2014 18:31
Xylenes, Total	U		40	100	µg/Kg-dry	1	4/25/2014 18:31
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 18:31
Surr: 4-Bromofluorobenzene	*97.7*			*70-130*	*%REC*	1	4/25/2014 18:31
Surr: Dibromofluoromethane	*97.8*			*70-130*	*%REC*	1	4/25/2014 18:31
Surr: Toluene-d8	*97.3*			*70-130*	*%REC*	1	4/25/2014 18:31
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**9.1**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-041
Collection Date: 4/14/2014 01:57 PM

Work Order: 1404759
Lab ID: 1404759-41
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		51	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1221	U		51	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1232	U		51	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1242	U		51	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1248	U		51	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1254	U		33	90	µg/Kg-dry	1	4/23/2014 12:36
Aroclor 1260	U		33	90	µg/Kg-dry	1	4/23/2014 12:36
Surr: Decachlorobiphenyl	*86.1*			*40-140*	*%REC*	1	4/23/2014 12:36
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0023**	J	**0.00079**	**0.040**	**mg/Kg-dry**	1	4/28/2014 14:10
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.14**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Arsenic	**2.2**		**0.27**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Barium	**50**		**0.056**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Beryllium	**0.077**	J	**0.016**	**0.80**	**mg/Kg-dry**	5	4/26/2014 11:47
Cadmium	**0.080**	J	**0.0080**	**0.80**	**mg/Kg-dry**	5	4/26/2014 11:47
Chromium	**4.3**		**0.33**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Cobalt	**1.5**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Copper	**5.6**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Iron	**3,800**		**6.7**	**32**	**mg/Kg-dry**	5	4/26/2014 11:47
Lead	**1.8**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Manganese	**45**		**0.18**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Molybdenum	**1.4**	J	**0.088**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Nickel	**4.2**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Selenium	**1.7**	J	**0.26**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Silver	U		0.0080	2.0	mg/Kg-dry	5	4/26/2014 11:47
Thallium	**0.080**	J	**0.048**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Vanadium	**8.0**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/26/2014 11:47
Zinc	**9.1**		**0.17**	**4.0**	**mg/Kg-dry**	5	4/26/2014 11:47
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		3.0	7.3	µg/Kg-dry	1	4/22/2014 21:07
Acenaphthene	U		1.1	7.3	µg/Kg-dry	1	4/22/2014 21:07
Acenaphthylene	U		1.3	7.3	µg/Kg-dry	1	4/22/2014 21:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-041
Collection Date: 4/14/2014 01:57 PM

Work Order: 1404759
Lab ID: 1404759-41
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**5.5**	J	**1.4**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Benzo(a)anthracene	U		1.4	7.3	µg/Kg-dry	1	4/22/2014 21:07
Benzo(a)pyrene	**8.0**		**2.4**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Benzo(b)fluoranthene	**9.5**		**2.1**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Benzo(g,h,i)perylene	U		2.9	7.3	µg/Kg-dry	1	4/22/2014 21:07
Benzo(k)fluoranthene	**5.8**	J	**1.5**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Chrysene	**7.3**	J	**1.7**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Dibenzo(a,h)anthracene	U		2.7	7.3	µg/Kg-dry	1	4/22/2014 21:07
Fluoranthene	**20**		**2.5**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Fluorene	U		2.4	7.3	µg/Kg-dry	1	4/22/2014 21:07
Indeno(1,2,3-cd)pyrene	U		2.4	7.3	µg/Kg-dry	1	4/22/2014 21:07
Naphthalene	U		2.7	7.3	µg/Kg-dry	1	4/22/2014 21:07
Phenanthrene	**20**		**1.5**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Pyrene	**16**		**2.5**	**7.3**	**µg/Kg-dry**	1	4/22/2014 21:07
Surr: 2-Fluorobiphenyl	*67.6*			*12-100*	*%REC*	1	4/22/2014 21:07
Surr: 4-Terphenyl-d14	*95.8*			*25-137*	*%REC*	1	4/22/2014 21:07
Surr: Nitrobenzene-d5	*63.7*			*37-107*	*%REC*	1	4/22/2014 21:07
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 18:56
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
1,1-Dichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 18:56
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/25/2014 18:56
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/25/2014 18:56
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/25/2014 18:56
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/25/2014 18:56
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
2-Butanone	U		84	230	µg/Kg-dry	1	4/25/2014 18:56
2-Hexanone	U		8.3	34	µg/Kg-dry	1	4/25/2014 18:56
4-Methyl-2-pentanone	U		12	34	µg/Kg-dry	1	4/25/2014 18:56
Acetone	U		72	110	µg/Kg-dry	1	4/25/2014 18:56
Benzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
Bromodichloromethane	U		7.6	34	µg/Kg-dry	1	4/25/2014 18:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-041
Collection Date: 4/14/2014 01:57 PM

Work Order: 1404759
Lab ID: 1404759-41
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.7	34	µg/Kg-dry	1	4/25/2014 18:56
Bromomethane	U		13	85	µg/Kg-dry	1	4/25/2014 18:56
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/25/2014 18:56
Carbon tetrachloride	U		9.7	34	µg/Kg-dry	1	4/25/2014 18:56
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
Chloroethane	U		72	110	µg/Kg-dry	1	4/25/2014 18:56
Chloroform	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
Chloromethane	U		19	110	µg/Kg-dry	1	4/25/2014 18:56
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/25/2014 18:56
Cyclohexane	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
Dibromochloromethane	U		6.3	34	µg/Kg-dry	1	4/25/2014 18:56
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
Ethylbenzene	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
Methyl acetate	**1,200**		**46**	**230**	**µg/Kg-dry**	1	4/25/2014 18:56
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/25/2014 18:56
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/25/2014 18:56
Methylene chloride	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
Styrene	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
Toluene	U		13	34	µg/Kg-dry	1	4/25/2014 18:56
trans-1,2-Dichloroethene	U		10	34	µg/Kg-dry	1	4/25/2014 18:56
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/25/2014 18:56
Trichloroethene	U		16	34	µg/Kg-dry	1	4/25/2014 18:56
Trichlorofluoromethane	U		9.4	34	µg/Kg-dry	1	4/25/2014 18:56
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/25/2014 18:56
Xylenes, Total	U		40	100	µg/Kg-dry	1	4/25/2014 18:56
Surr: 1,2-Dichloroethane-d4	*101*			*70-130*	*%REC*	1	4/25/2014 18:56
Surr: 4-Bromofluorobenzene	*97.2*			*70-130*	*%REC*	1	4/25/2014 18:56
Surr: Dibromofluoromethane	*98.9*			*70-130*	*%REC*	1	4/25/2014 18:56
Surr: Toluene-d8	*98.4*			*70-130*	*%REC*	1	4/25/2014 18:56
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**9.9**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-042
Collection Date: 4/14/2014 02:05 PM

Work Order: 1404759
Lab ID: 1404759-42
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/23/2014 12:52
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/23/2014 12:52
Surr: Decachlorobiphenyl	*97.1*			*40-140*	*%REC*	1	4/23/2014 12:52
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.20**		**0.0010**	**0.050**	**mg/Kg-dry**	1	4/28/2014 14:12
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**9.9**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Arsenic	**15**		**0.33**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Barium	**60**		**0.067**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Beryllium	**1.2**		**0.019**	**0.96**	**mg/Kg-dry**	5	4/26/2014 11:52
Cadmium	**1.7**		**0.0096**	**0.96**	**mg/Kg-dry**	5	4/26/2014 11:52
Chromium	**34**		**0.39**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Cobalt	**6.8**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Copper	**94**		**0.47**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Iron	**60,000**		**8.0**	**38**	**mg/Kg-dry**	5	4/26/2014 11:52
Lead	**230**		**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Manganese	**370**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Molybdenum	**6.2**		**0.11**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Nickel	**30**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Selenium	**1.8**	J	**0.31**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Silver	**0.096**	J	**0.0096**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Thallium	**0.48**	J	**0.057**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Vanadium	**19**		**0.14**	**2.4**	**mg/Kg-dry**	5	4/26/2014 11:52
Zinc	**240**		**0.20**	**4.8**	**mg/Kg-dry**	5	4/26/2014 11:52
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**3,000**		**33**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Acenaphthene	**160**		**12**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Acenaphthylene	**230**		**14**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-042
Collection Date: 4/14/2014 02:05 PM

Work Order: 1404759
Lab ID: 1404759-42
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**430**		**16**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Benzo(a)anthracene	**870**		**16**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Benzo(a)pyrene	**920**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Benzo(b)fluoranthene	**1,900**		**23**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Benzo(g,h,i)perylene	**390**		**31**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Benzo(k)fluoranthene	**820**		**17**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Chrysene	**1,300**		**19**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Dibenzo(a,h)anthracene	**83**		**30**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Fluoranthene	**1,800**		**28**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Fluorene	**180**		**27**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Indeno(1,2,3-cd)pyrene	**290**		**26**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Naphthalene	**1,900**		**29**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Phenanthrene	**5,900**		**16**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Pyrene	**1,800**		**27**	**79**	**µg/Kg-dry**	10	4/23/2014 01:18
Surr: 2-Fluorobiphenyl	*69.0*			*12-100*	*%REC*	10	4/23/2014 01:18
Surr: 4-Terphenyl-d14	*92.8*			*25-137*	*%REC*	10	4/23/2014 01:18
Surr: Nitrobenzene-d5	*67.8*			*37-107*	*%REC*	10	4/23/2014 01:18
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		24	64	µg/Kg-dry	1	4/25/2014 19:20
1,1,2,2-Tetrachloroethane	U		28	64	µg/Kg-dry	1	4/25/2014 19:20
1,1,2-Trichloroethane	U		23	64	µg/Kg-dry	1	4/25/2014 19:20
1,1,2-Trichlorotrifluoroethane	U		24	64	µg/Kg-dry	1	4/25/2014 19:20
1,1-Dichloroethane	U		23	64	µg/Kg-dry	1	4/25/2014 19:20
1,1-Dichloroethene	U		27	64	µg/Kg-dry	1	4/25/2014 19:20
1,2,4-Trichlorobenzene	U		33	64	µg/Kg-dry	1	4/25/2014 19:20
1,2-Dibromo-3-chloropropane	U		31	64	µg/Kg-dry	1	4/25/2014 19:20
1,2-Dibromoethane	U		25	64	µg/Kg-dry	1	4/25/2014 19:20
1,2-Dichlorobenzene	U		26	64	µg/Kg-dry	1	4/25/2014 19:20
1,2-Dichloroethane	U		30	64	µg/Kg-dry	1	4/25/2014 19:20
1,2-Dichloropropane	U		21	64	µg/Kg-dry	1	4/25/2014 19:20
1,3-Dichlorobenzene	U		26	64	µg/Kg-dry	1	4/25/2014 19:20
1,4-Dichlorobenzene	U		24	64	µg/Kg-dry	1	4/25/2014 19:20
2-Butanone	U		160	430	µg/Kg-dry	1	4/25/2014 19:20
2-Hexanone	U		16	64	µg/Kg-dry	1	4/25/2014 19:20
4-Methyl-2-pentanone	U		22	64	µg/Kg-dry	1	4/25/2014 19:20
Acetone	**830**		**140**	**210**	**µg/Kg-dry**	1	4/25/2014 19:20
Benzene	**340**		**26**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Bromodichloromethane	U		14	64	µg/Kg-dry	1	4/25/2014 19:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-042
Collection Date: 4/14/2014 02:05 PM

Work Order: 1404759
Lab ID: 1404759-42
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		13	64	µg/Kg-dry	1	4/25/2014 19:20
Bromomethane	U		24	160	µg/Kg-dry	1	4/25/2014 19:20
Carbon disulfide	**110**		**32**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Carbon tetrachloride	U		18	64	µg/Kg-dry	1	4/25/2014 19:20
Chlorobenzene	U		26	64	µg/Kg-dry	1	4/25/2014 19:20
Chloroethane	U		140	210	µg/Kg-dry	1	4/25/2014 19:20
Chloroform	U		26	64	µg/Kg-dry	1	4/25/2014 19:20
Chloromethane	U		36	210	µg/Kg-dry	1	4/25/2014 19:20
cis-1,2-Dichloroethene	U		26	64	µg/Kg-dry	1	4/25/2014 19:20
cis-1,3-Dichloropropene	U		22	64	µg/Kg-dry	1	4/25/2014 19:20
Cyclohexane	**2,700**		**29**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Dibromochloromethane	U		12	64	µg/Kg-dry	1	4/25/2014 19:20
Dichlorodifluoromethane	U		29	64	µg/Kg-dry	1	4/25/2014 19:20
Ethylbenzene	**580**		**24**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Isopropylbenzene	**1,900**		**27**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Methyl acetate	**3,000**		**86**	**430**	**µg/Kg-dry**	1	4/25/2014 19:20
Methyl tert-butyl ether	U		27	64	µg/Kg-dry	1	4/25/2014 19:20
Methylcyclohexane	**11,000**		**30**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
Methylene chloride	U		25	64	µg/Kg-dry	1	4/25/2014 19:20
Styrene	U		24	64	µg/Kg-dry	1	4/25/2014 19:20
Tetrachloroethene	U		28	64	µg/Kg-dry	1	4/25/2014 19:20
Toluene	**1,800**		**24**	**64**	**µg/Kg-dry**	1	4/25/2014 19:20
trans-1,2-Dichloroethene	U		20	64	µg/Kg-dry	1	4/25/2014 19:20
trans-1,3-Dichloropropene	U		21	64	µg/Kg-dry	1	4/25/2014 19:20
Trichloroethene	U		30	64	µg/Kg-dry	1	4/25/2014 19:20
Trichlorofluoromethane	U		18	64	µg/Kg-dry	1	4/25/2014 19:20
Vinyl chloride	U		29	64	µg/Kg-dry	1	4/25/2014 19:20
Xylenes, Total	**3,100**		**75**	**190**	**µg/Kg-dry**	1	4/25/2014 19:20
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 19:20
Surr: 4-Bromofluorobenzene	*93.0*			*70-130*	*%REC*	1	4/25/2014 19:20
Surr: Dibromofluoromethane	*101*			*70-130*	*%REC*	1	4/25/2014 19:20
Surr: Toluene-d8	*105*			*70-130*	*%REC*	1	4/25/2014 19:20
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**16**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-043
Collection Date: 4/14/2014 02:07 PM

Work Order: 1404759
Lab ID: 1404759-43
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		52	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1221	U		52	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1232	U		52	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1242	U		52	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1248	U		52	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1254	U		33	91	µg/Kg-dry	1	4/23/2014 13:08
Aroclor 1260	U		33	91	µg/Kg-dry	1	4/23/2014 13:08
Surr: Decachlorobiphenyl	*90.1*			*40-140*	*%REC*	1	4/23/2014 13:08
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.11**		**0.00098**	**0.049**	**mg/Kg-dry**	1	4/28/2014 14:22
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**3.5**		**0.0089**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Arsenic	**12**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Barium	**63**		**0.063**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Beryllium	**1.3**		**0.018**	**0.89**	**mg/Kg-dry**	5	4/26/2014 11:58
Cadmium	**1.3**		**0.0089**	**0.89**	**mg/Kg-dry**	5	4/26/2014 11:58
Chromium	**9.4**		**0.37**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Cobalt	**4.6**		**0.0089**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Copper	**65**		**0.44**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Iron	**41,000**		**7.4**	**36**	**mg/Kg-dry**	5	4/26/2014 11:58
Lead	**100**		**0.0089**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Manganese	**320**		**0.20**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Molybdenum	**2.5**		**0.098**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Nickel	**13**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Selenium	**2.1**	J	**0.29**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Silver	**0.068**	J	**0.0089**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Thallium	**0.39**	J	**0.054**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Vanadium	**20**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/26/2014 11:58
Zinc	**190**		**0.19**	**4.5**	**mg/Kg-dry**	5	4/26/2014 11:58
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**680**		**31**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Acenaphthene	**160**		**11**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Acenaphthylene	**200**		**14**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-043
Collection Date: 4/14/2014 02:07 PM

Work Order: 1404759
Lab ID: 1404759-43
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**700**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Benzo(a)anthracene	**1,300**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Benzo(a)pyrene	**1,100**		**25**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Benzo(b)fluoranthene	**1,500**		**22**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Benzo(g,h,i)perylene	**380**		**30**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Benzo(k)fluoranthene	**660**		**16**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Chrysene	**1,600**		**18**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Dibenzo(a,h)anthracene	**60**	J	**28**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Fluoranthene	**3,100**		**26**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Fluorene	**250**		**25**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Indeno(1,2,3-cd)pyrene	**380**		**25**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Naphthalene	**500**		**28**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Phenanthrene	**4,600**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Pyrene	**3,000**		**26**	**76**	**µg/Kg-dry**	10	4/23/2014 01:50
Surr: 2-Fluorobiphenyl	*66.4*			*12-100*	*%REC*	10	4/23/2014 01:50
Surr: 4-Terphenyl-d14	*92.2*			*25-137*	*%REC*	10	4/23/2014 01:50
Surr: Nitrobenzene-d5	*65.2*			*37-107*	*%REC*	10	4/23/2014 01:50
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		23	60	µg/Kg-dry	1	4/25/2014 19:45
1,1,2,2-Tetrachloroethane	U		26	60	µg/Kg-dry	1	4/25/2014 19:45
1,1,2-Trichloroethane	U		21	60	µg/Kg-dry	1	4/25/2014 19:45
1,1,2-Trichlorotrifluoroethane	U		22	60	µg/Kg-dry	1	4/25/2014 19:45
1,1-Dichloroethane	U		22	60	µg/Kg-dry	1	4/25/2014 19:45
1,1-Dichloroethene	U		25	60	µg/Kg-dry	1	4/25/2014 19:45
1,2,4-Trichlorobenzene	U		31	60	µg/Kg-dry	1	4/25/2014 19:45
1,2-Dibromo-3-chloropropane	U		29	60	µg/Kg-dry	1	4/25/2014 19:45
1,2-Dibromoethane	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
1,2-Dichlorobenzene	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
1,2-Dichloroethane	U		28	60	µg/Kg-dry	1	4/25/2014 19:45
1,2-Dichloropropane	U		20	60	µg/Kg-dry	1	4/25/2014 19:45
1,3-Dichlorobenzene	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
1,4-Dichlorobenzene	U		23	60	µg/Kg-dry	1	4/25/2014 19:45
2-Butanone	U		150	400	µg/Kg-dry	1	4/25/2014 19:45
2-Hexanone	U		15	60	µg/Kg-dry	1	4/25/2014 19:45
4-Methyl-2-pentanone	U		20	60	µg/Kg-dry	1	4/25/2014 19:45
Acetone	U		130	200	µg/Kg-dry	1	4/25/2014 19:45
Benzene	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
Bromodichloromethane	U		13	60	µg/Kg-dry	1	4/25/2014 19:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-043
Collection Date: 4/14/2014 02:07 PM

Work Order: 1404759
Lab ID: 1404759-43
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		12	60	µg/Kg-dry	1	4/25/2014 19:45
Bromomethane	U		23	150	µg/Kg-dry	1	4/25/2014 19:45
Carbon disulfide	U		30	60	µg/Kg-dry	1	4/25/2014 19:45
Carbon tetrachloride	U		17	60	µg/Kg-dry	1	4/25/2014 19:45
Chlorobenzene	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
Chloroethane	U		130	200	µg/Kg-dry	1	4/25/2014 19:45
Chloroform	U		25	60	µg/Kg-dry	1	4/25/2014 19:45
Chloromethane	U		33	200	µg/Kg-dry	1	4/25/2014 19:45
cis-1,2-Dichloroethene	U		24	60	µg/Kg-dry	1	4/25/2014 19:45
cis-1,3-Dichloropropene	U		20	60	µg/Kg-dry	1	4/25/2014 19:45
Cyclohexane	U		27	60	µg/Kg-dry	1	4/25/2014 19:45
Dibromochloromethane	U		11	60	µg/Kg-dry	1	4/25/2014 19:45
Dichlorodifluoromethane	U		27	60	µg/Kg-dry	1	4/25/2014 19:45
Ethylbenzene	U		22	60	µg/Kg-dry	1	4/25/2014 19:45
Isopropylbenzene	U		26	60	µg/Kg-dry	1	4/25/2014 19:45
Methyl acetate	**810**		**80**	**400**	**µg/Kg-dry**	1	4/25/2014 19:45
Methyl tert-butyl ether	U		25	60	µg/Kg-dry	1	4/25/2014 19:45
Methylcyclohexane	**810**		**28**	**60**	**µg/Kg-dry**	1	4/25/2014 19:45
Methylene chloride	U		23	60	µg/Kg-dry	1	4/25/2014 19:45
Styrene	U		22	60	µg/Kg-dry	1	4/25/2014 19:45
Tetrachloroethene	U		27	60	µg/Kg-dry	1	4/25/2014 19:45
Toluene	**87**		**22**	**60**	**µg/Kg-dry**	1	4/25/2014 19:45
trans-1,2-Dichloroethene	U		18	60	µg/Kg-dry	1	4/25/2014 19:45
trans-1,3-Dichloropropene	U		20	60	µg/Kg-dry	1	4/25/2014 19:45
Trichloroethene	U		28	60	µg/Kg-dry	1	4/25/2014 19:45
Trichlorofluoromethane	U		16	60	µg/Kg-dry	1	4/25/2014 19:45
Vinyl chloride	U		27	60	µg/Kg-dry	1	4/25/2014 19:45
Xylenes, Total	**240**		**71**	**180**	**µg/Kg-dry**	1	4/25/2014 19:45
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-130*	*%REC*	1	4/25/2014 19:45
Surr: 4-Bromofluorobenzene	*96.7*			*70-130*	*%REC*	1	4/25/2014 19:45
Surr: Dibromofluoromethane	*97.2*			*70-130*	*%REC*	1	4/25/2014 19:45
Surr: Toluene-d8	*98.2*			*70-130*	*%REC*	1	4/25/2014 19:45
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-044
Collection Date: 4/14/2014 02:12 PM

Work Order: 1404759
Lab ID: 1404759-44
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		50	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1221	U		50	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1232	U		50	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1242	U		50	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1248	U		50	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1254	U		32	87	µg/Kg-dry	1	4/23/2014 13:24
Aroclor 1260	U		32	87	µg/Kg-dry	1	4/23/2014 13:24
Surr: Decachlorobiphenyl	*89.1*			*40-140*	*%REC*	1	4/23/2014 13:24
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.021**	J	**0.00080**	**0.040**	**mg/Kg-dry**	1	4/28/2014 14:24
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.21**	J	**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Arsenic	**2.9**		**0.27**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Barium	**25**		**0.055**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Beryllium	**0.15**	J	**0.016**	**0.79**	**mg/Kg-dry**	5	4/26/2014 12:21
Cadmium	**0.098**	J	**0.0079**	**0.79**	**mg/Kg-dry**	5	4/26/2014 12:21
Chromium	**4.3**		**0.32**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Cobalt	**2.2**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Copper	**6.3**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Iron	**6,400**		**6.6**	**32**	**mg/Kg-dry**	5	4/26/2014 12:21
Lead	**7.1**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Manganese	**290**		**0.17**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Molybdenum	**0.47**	J	**0.087**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Nickel	**5.2**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Selenium	**0.63**	J	**0.25**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Silver	U		0.0079	2.0	mg/Kg-dry	5	4/26/2014 12:21
Thallium	**0.061**	J	**0.048**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Vanadium	**6.7**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/26/2014 12:21
Zinc	**25**		**0.17**	**4.0**	**mg/Kg-dry**	5	4/26/2014 12:21
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**95**		**2.9**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Acenaphthene	U		1.0	7.0	µg/Kg-dry	1	4/22/2014 18:30
Acenaphthylene	**4.2**	J	**1.3**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-044
Collection Date: 4/14/2014 02:12 PM

Work Order: 1404759
Lab ID: 1404759-44
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**9.1**		**1.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Benzo(a)anthracene	U		1.4	7.0	µg/Kg-dry	1	4/22/2014 18:30
Benzo(a)pyrene	**17**		**2.3**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Benzo(b)fluoranthene	**27**		**2.1**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Benzo(g,h,i)perylene	**10**		**2.7**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Benzo(k)fluoranthene	**11**		**1.5**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Chrysene	**31**		**1.7**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Dibenzo(a,h)anthracene	U		2.6	7.0	µg/Kg-dry	1	4/22/2014 18:30
Fluoranthene	**29**		**2.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Fluorene	U		2.4	7.0	µg/Kg-dry	1	4/22/2014 18:30
Indeno(1,2,3-cd)pyrene	**8.1**		**2.3**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Naphthalene	**76**		**2.6**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Phenanthrene	**78**		**1.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Pyrene	**29**		**2.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 18:30
Surr: 2-Fluorobiphenyl	*72.6*			*12-100*	*%REC*	1	4/22/2014 18:30
Surr: 4-Terphenyl-d14	*93.7*			*25-137*	*%REC*	1	4/22/2014 18:30
Surr: Nitrobenzene-d5	*72.1*			*37-107*	*%REC*	1	4/22/2014 18:30
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/25/2014 20:09
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 20:09
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 20:09
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 20:09
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
1,2-Dichloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 20:09
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 20:09
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
2-Butanone	U		80	220	µg/Kg-dry	1	4/25/2014 20:09
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/25/2014 20:09
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 20:09
Acetone	U		69	110	µg/Kg-dry	1	4/25/2014 20:09
Benzene	**110**		**13**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/25/2014 20:09

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-044
Collection Date: 4/14/2014 02:12 PM

Work Order: 1404759
Lab ID: 1404759-44
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/25/2014 20:09
Bromomethane	U		12	81	µg/Kg-dry	1	4/25/2014 20:09
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 20:09
Carbon tetrachloride	U		9.2	33	µg/Kg-dry	1	4/25/2014 20:09
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
Chloroethane	U		69	110	µg/Kg-dry	1	4/25/2014 20:09
Chloroform	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 20:09
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:09
Cyclohexane	**150**		**15**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/25/2014 20:09
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 20:09
Ethylbenzene	**350**		**12**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
Isopropylbenzene	**92**		**14**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
Methyl acetate	**1,300**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 20:09
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 20:09
Methylcyclohexane	**570**		**15**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 20:09
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 20:09
Tetrachloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 20:09
Toluene	**1,300**		**12**	**33**	**µg/Kg-dry**	1	4/25/2014 20:09
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 20:09
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:09
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 20:09
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/25/2014 20:09
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 20:09
Xylenes, Total	**1,600**		**38**	**98**	**µg/Kg-dry**	1	4/25/2014 20:09
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 20:09
Surr: 4-Bromofluorobenzene	*98.8*			*70-130*	*%REC*	1	4/25/2014 20:09
Surr: Dibromofluoromethane	*100*			*70-130*	*%REC*	1	4/25/2014 20:09
Surr: Toluene-d8	*98.5*			*70-130*	*%REC*	1	4/25/2014 20:09
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**7.7**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-045
Collection Date: 4/14/2014 02:15 PM

Work Order: 1404759
Lab ID: 1404759-45
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		49	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1221	U		49	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1232	U		49	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1242	U		49	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1248	U		49	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1254	U		31	86	µg/Kg-dry	1	4/23/2014 13:41
Aroclor 1260	U		31	86	µg/Kg-dry	1	4/23/2014 13:41
Surr: Decachlorobiphenyl	*83.1*			*40-140*	*%REC*	1	4/23/2014 13:41
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.012**	J	**0.00087**	**0.043**	**mg/Kg-dry**	1	4/28/2014 14:26
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.40**	J	**0.0087**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Arsenic	**5.1**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Barium	**31**		**0.061**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Beryllium	**0.26**	J	**0.017**	**0.87**	**mg/Kg-dry**	5	4/26/2014 12:27
Cadmium	**0.20**	J	**0.0087**	**0.87**	**mg/Kg-dry**	5	4/26/2014 12:27
Chromium	**8.0**		**0.36**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Cobalt	**2.8**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Copper	**11**		**0.43**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Iron	**9,900**		**7.2**	**35**	**mg/Kg-dry**	5	4/26/2014 12:27
Lead	**11**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Manganese	**340**		**0.19**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Molybdenum	**1.2**	J	**0.096**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Nickel	**6.9**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Selenium	**0.73**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Silver	U		0.0087	2.2	mg/Kg-dry	5	4/26/2014 12:27
Thallium	**0.079**	J	**0.052**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Vanadium	**10**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/26/2014 12:27
Zinc	**35**		**0.18**	**4.3**	**mg/Kg-dry**	5	4/26/2014 12:27
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**130**		**3.0**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/22/2014 21:39
Acenaphthylene	**7.1**	J	**1.3**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-045
Collection Date: 4/14/2014 02:15 PM

Work Order: 1404759
Lab ID: 1404759-45
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**15**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Benzo(a)anthracene	**14**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Benzo(a)pyrene	**30**		**2.3**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Benzo(b)fluoranthene	**54**		**2.1**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Benzo(g,h,i)perylene	**17**		**2.8**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Benzo(k)fluoranthene	**21**		**1.5**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Chrysene	**53**		**1.7**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Dibenzo(a,h)anthracene	**6.1**	J	**2.7**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Fluoranthene	**61**		**2.5**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Fluorene	**7.1**	J	**2.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Indeno(1,2,3-cd)pyrene	**14**		**2.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Naphthalene	**100**		**2.6**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Phenanthrene	**130**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Pyrene	**55**		**2.4**	**7.1**	**µg/Kg-dry**	1	4/22/2014 21:39
Surr: 2-Fluorobiphenyl	*78.1*			*12-100*	*%REC*	1	4/22/2014 21:39
Surr: 4-Terphenyl-d14	*95.7*			*25-137*	*%REC*	1	4/22/2014 21:39
Surr: Nitrobenzene-d5	*79.9*			*37-107*	*%REC*	1	4/22/2014 21:39
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
1,1,2,2-Tetrachloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 20:34
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 20:34
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 20:34
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/25/2014 20:34
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 20:34
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
1,4-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
2-Butanone	U		82	220	µg/Kg-dry	1	4/25/2014 20:34
2-Hexanone	U		8.1	33	µg/Kg-dry	1	4/25/2014 20:34
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 20:34
Acetone	U		70	110	µg/Kg-dry	1	4/25/2014 20:34
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
Bromodichloromethane	U		7.4	33	µg/Kg-dry	1	4/25/2014 20:34

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-045
Collection Date: 4/14/2014 02:15 PM

Work Order: 1404759
Lab ID: 1404759-45
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.5	33	µg/Kg-dry	1	4/25/2014 20:34
Bromomethane	U		13	83	µg/Kg-dry	1	4/25/2014 20:34
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 20:34
Carbon tetrachloride	U		9.4	33	µg/Kg-dry	1	4/25/2014 20:34
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
Chloroethane	U		70	110	µg/Kg-dry	1	4/25/2014 20:34
Chloroform	U		14	33	µg/Kg-dry	1	4/25/2014 20:34
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 20:34
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:34
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Dibromochloromethane	U		6.1	33	µg/Kg-dry	1	4/25/2014 20:34
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 20:34
Methyl acetate	**610**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 20:34
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 20:34
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 20:34
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 20:34
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 20:34
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:34
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Trichlorofluoromethane	U		9.1	33	µg/Kg-dry	1	4/25/2014 20:34
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 20:34
Xylenes, Total	U		39	99	µg/Kg-dry	1	4/25/2014 20:34
Surr: 1,2-Dichloroethane-d4	*101*			*70-130*	*%REC*	1	4/25/2014 20:34
Surr: 4-Bromofluorobenzene	*96.4*			*70-130*	*%REC*	1	4/25/2014 20:34
Surr: Dibromofluoromethane	*98.7*			*70-130*	*%REC*	1	4/25/2014 20:34
Surr: Toluene-d8	*97.6*			*70-130*	*%REC*	1	4/25/2014 20:34
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**8.1**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-046
Collection Date: 4/14/2014 02:17 PM

Work Order: 1404759
Lab ID: 1404759-46
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		48	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1221	U		48	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1232	U		48	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1242	U		48	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1248	U		48	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1254	U		31	84	µg/Kg-dry	1	4/23/2014 13:57
Aroclor 1260	U		31	84	µg/Kg-dry	1	4/23/2014 13:57
Surr: Decachlorobiphenyl	*90.1*			*40-140*	*%REC*	1	4/23/2014 13:57
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0022**	J	**0.00077**	**0.039**	**mg/Kg-dry**	1	4/28/2014 14:29
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	U		0.0072	1.8	mg/Kg-dry	5	4/26/2014 12:33
Arsenic	**1.5**	J	**0.24**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Barium	**4.1**		**0.050**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Beryllium	**0.073**	J	**0.014**	**0.72**	**mg/Kg-dry**	5	4/26/2014 12:33
Cadmium	**0.021**	J	**0.0072**	**0.72**	**mg/Kg-dry**	5	4/26/2014 12:33
Chromium	**3.1**		**0.29**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Cobalt	**1.4**	J	**0.0072**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Copper	**3.6**		**0.35**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Iron	**3,300**		**6.0**	**29**	**mg/Kg-dry**	5	4/26/2014 12:33
Lead	**1.4**	J	**0.0072**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Manganese	**29**		**0.16**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Molybdenum	U		0.079	1.8	mg/Kg-dry	5	4/26/2014 12:33
Nickel	**3.1**		**0.18**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Selenium	**0.60**	J	**0.23**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Silver	U		0.0072	1.8	mg/Kg-dry	5	4/26/2014 12:33
Thallium	**0.048**	J	**0.043**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Vanadium	**5.1**		**0.11**	**1.8**	**mg/Kg-dry**	5	4/26/2014 12:33
Zinc	**7.8**		**0.15**	**3.6**	**mg/Kg-dry**	5	4/26/2014 12:33
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		2.8	6.8	µg/Kg-dry	1	4/22/2014 19:01
Acenaphthene	U		1.0	6.8	µg/Kg-dry	1	4/22/2014 19:01
Acenaphthylene	U		1.2	6.8	µg/Kg-dry	1	4/22/2014 19:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-046
Collection Date: 4/14/2014 02:17 PM

Work Order: 1404759
Lab ID: 1404759-46
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 19:01
Benzo(a)anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 19:01
Benzo(a)pyrene	U		2.2	6.8	µg/Kg-dry	1	4/22/2014 19:01
Benzo(b)fluoranthene	U		2.0	6.8	µg/Kg-dry	1	4/22/2014 19:01
Benzo(g,h,i)perylene	U		2.7	6.8	µg/Kg-dry	1	4/22/2014 19:01
Benzo(k)fluoranthene	U		1.4	6.8	µg/Kg-dry	1	4/22/2014 19:01
Chrysene	U		1.6	6.8	µg/Kg-dry	1	4/22/2014 19:01
Dibenzo(a,h)anthracene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 19:01
Fluoranthene	U		2.4	6.8	µg/Kg-dry	1	4/22/2014 19:01
Fluorene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 19:01
Indeno(1,2,3-cd)pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 19:01
Naphthalene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 19:01
Phenanthrene	U		1.4	6.8	µg/Kg-dry	1	4/22/2014 19:01
Pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 19:01
Surr: 2-Fluorobiphenyl	*81.1*			*12-100*	*%REC*	1	4/22/2014 19:01
Surr: 4-Terphenyl-d14	*96.1*			*25-137*	*%REC*	1	4/22/2014 19:01
Surr: Nitrobenzene-d5	*84.2*			*37-107*	*%REC*	1	4/22/2014 19:01
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/25/2014 20:58
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 20:58
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 20:58
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 20:58
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/25/2014 20:58
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 20:58
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
1,4-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
2-Butanone	U		81	220	µg/Kg-dry	1	4/25/2014 20:58
2-Hexanone	U		8.1	33	µg/Kg-dry	1	4/25/2014 20:58
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 20:58
Acetone	U		70	110	µg/Kg-dry	1	4/25/2014 20:58
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
Bromodichloromethane	U		7.4	33	µg/Kg-dry	1	4/25/2014 20:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-046
Collection Date: 4/14/2014 02:17 PM

Work Order: 1404759
Lab ID: 1404759-46
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.5	33	µg/Kg-dry	1	4/25/2014 20:58
Bromomethane	U		13	82	µg/Kg-dry	1	4/25/2014 20:58
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 20:58
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/25/2014 20:58
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
Chloroethane	U		70	110	µg/Kg-dry	1	4/25/2014 20:58
Chloroform	U		14	33	µg/Kg-dry	1	4/25/2014 20:58
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 20:58
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:58
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Dibromochloromethane	U		6.1	33	µg/Kg-dry	1	4/25/2014 20:58
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 20:58
Methyl acetate	**700**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 20:58
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 20:58
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 20:58
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 20:58
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 20:58
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 20:58
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/25/2014 20:58
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 20:58
Xylenes, Total	U		39	99	µg/Kg-dry	1	4/25/2014 20:58
Surr: 1,2-Dichloroethane-d4	*99.5*			*70-130*	*%REC*	1	4/25/2014 20:58
Surr: 4-Bromofluorobenzene	*95.5*			*70-130*	*%REC*	1	4/25/2014 20:58
Surr: Dibromofluoromethane	*97.2*			*70-130*	*%REC*	1	4/25/2014 20:58
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/25/2014 20:58
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**4.1**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-047
Collection Date: 4/14/2014 02:20 PM

Work Order: 1404759
Lab ID: 1404759-47
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		46	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1221	U		46	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1232	U		46	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1242	U		46	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1248	U		46	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1254	U		30	81	µg/Kg-dry	1	4/23/2014 14:29
Aroclor 1260	U		30	81	µg/Kg-dry	1	4/23/2014 14:29
Surr: Decachlorobiphenyl	*93.1*			*40-140*	*%REC*	1	4/23/2014 14:29
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0021**	J	**0.00072**	**0.036**	**mg/Kg-dry**	1	4/28/2014 14:31
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	U		0.0068	1.7	mg/Kg-dry	5	4/26/2014 12:39
Arsenic	**1.2**	J	**0.23**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Barium	**3.4**		**0.048**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Beryllium	**0.054**	J	**0.014**	**0.68**	**mg/Kg-dry**	5	4/26/2014 12:39
Cadmium	**0.013**	J	**0.0068**	**0.68**	**mg/Kg-dry**	5	4/26/2014 12:39
Chromium	**5.0**		**0.28**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Cobalt	**1.6**	J	**0.0068**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Copper	**3.6**		**0.33**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Iron	**3,600**		**5.7**	**27**	**mg/Kg-dry**	5	4/26/2014 12:39
Manganese	**61**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Molybdenum	**0.087**	J	**0.075**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Nickel	**4.1**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Selenium	**0.38**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Silver	U		0.0068	1.7	mg/Kg-dry	5	4/26/2014 12:39
Vanadium	**6.2**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/26/2014 12:39
Zinc	**7.2**		**0.14**	**3.4**	**mg/Kg-dry**	5	4/26/2014 12:39
BatchID: 57902							
Lead	**2.1**	J	**0.034**	**8.5**	**mg/Kg-dry**	25	4/26/2014 21:12
Thallium	U		0.20	8.5	mg/Kg-dry	25	4/26/2014 21:12
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/24/14		Analyst: **RM**
BatchID: 57910							
2-Methylnaphthalene	U		2.8	6.7	µg/Kg-dry	1	4/25/2014 22:33
Acenaphthene	U		1.0	6.7	µg/Kg-dry	1	4/25/2014 22:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-047
Collection Date: 4/14/2014 02:20 PM

Work Order: 1404759
Lab ID: 1404759-47
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	U		1.2	6.7	µg/Kg-dry	1	4/25/2014 22:33
Anthracene	U		1.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Benzo(a)anthracene	U		1.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Benzo(a)pyrene	U		2.2	6.7	µg/Kg-dry	1	4/25/2014 22:33
Benzo(b)fluoranthene	U		2.0	6.7	µg/Kg-dry	1	4/25/2014 22:33
Benzo(g,h,i)perylene	U		2.6	6.7	µg/Kg-dry	1	4/25/2014 22:33
Benzo(k)fluoranthene	U		1.4	6.7	µg/Kg-dry	1	4/25/2014 22:33
Chrysene	U		1.6	6.7	µg/Kg-dry	1	4/25/2014 22:33
Dibenzo(a,h)anthracene	U		2.5	6.7	µg/Kg-dry	1	4/25/2014 22:33
Fluoranthene	U		2.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Fluorene	U		2.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Indeno(1,2,3-cd)pyrene	U		2.2	6.7	µg/Kg-dry	1	4/25/2014 22:33
Naphthalene	U		2.5	6.7	µg/Kg-dry	1	4/25/2014 22:33
Phenanthrene	U		1.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Pyrene	U		2.3	6.7	µg/Kg-dry	1	4/25/2014 22:33
Surr: 2-Fluorobiphenyl	*80.0*			*12-100*	*%REC*	1	4/25/2014 22:33
Surr: 4-Terphenyl-d14	*110*			*25-137*	*%REC*	1	4/25/2014 22:33
Surr: Nitrobenzene-d5	*75.3*			*37-107*	*%REC*	1	4/25/2014 22:33
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/25/2014 21:23
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/25/2014 21:23
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
1,1-Dichloroethane	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/25/2014 21:23
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/25/2014 21:23
1,2-Dibromoethane	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/25/2014 21:23
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/25/2014 21:23
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
2-Butanone	U		85	230	µg/Kg-dry	1	4/25/2014 21:23
2-Hexanone	U		8.5	34	µg/Kg-dry	1	4/25/2014 21:23
4-Methyl-2-pentanone	U		12	34	µg/Kg-dry	1	4/25/2014 21:23
Acetone	U		73	110	µg/Kg-dry	1	4/25/2014 21:23
Benzene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-047
Collection Date: 4/14/2014 02:20 PM

Work Order: 1404759
Lab ID: 1404759-47
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		7.7	34	µg/Kg-dry	1	4/25/2014 21:23
Bromoform	U		6.8	34	µg/Kg-dry	1	4/25/2014 21:23
Bromomethane	U		13	86	µg/Kg-dry	1	4/25/2014 21:23
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/25/2014 21:23
Carbon tetrachloride	U		9.8	34	µg/Kg-dry	1	4/25/2014 21:23
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
Chloroethane	U		73	110	µg/Kg-dry	1	4/25/2014 21:23
Chloroform	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
Chloromethane	U		19	110	µg/Kg-dry	1	4/25/2014 21:23
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/25/2014 21:23
Cyclohexane	U		15	34	µg/Kg-dry	1	4/25/2014 21:23
Dibromochloromethane	U		6.4	34	µg/Kg-dry	1	4/25/2014 21:23
Dichlorodifluoromethane	U		16	34	µg/Kg-dry	1	4/25/2014 21:23
Ethylbenzene	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/25/2014 21:23
Methyl acetate	**840**		**46**	**230**	**µg/Kg-dry**	1	4/25/2014 21:23
Methyl tert-butyl ether	U		15	34	µg/Kg-dry	1	4/25/2014 21:23
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/25/2014 21:23
Methylene chloride	U		14	34	µg/Kg-dry	1	4/25/2014 21:23
Styrene	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/25/2014 21:23
Toluene	U		13	34	µg/Kg-dry	1	4/25/2014 21:23
trans-1,2-Dichloroethene	U		11	34	µg/Kg-dry	1	4/25/2014 21:23
trans-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/25/2014 21:23
Trichloroethene	U		16	34	µg/Kg-dry	1	4/25/2014 21:23
Trichlorofluoromethane	U		9.5	34	µg/Kg-dry	1	4/25/2014 21:23
Vinyl chloride	U		16	34	µg/Kg-dry	1	4/25/2014 21:23
Xylenes, Total	U		41	100	µg/Kg-dry	1	4/25/2014 21:23
Surr: 1,2-Dichloroethane-d4	*99.6*			*70-130*	*%REC*	1	4/25/2014 21:23
Surr: 4-Bromofluorobenzene	*95.8*			*70-130*	*%REC*	1	4/25/2014 21:23
Surr: Dibromofluoromethane	*98.4*			*70-130*	*%REC*	1	4/25/2014 21:23
Surr: Toluene-d8	*99.0*			*70-130*	*%REC*	1	4/25/2014 21:23
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**2.3**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-048
Collection Date: 4/14/2014 02:35 PM

Work Order: 1404759
Lab ID: 1404759-48
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		79	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1221	U		79	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1232	U		79	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1242	U		79	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1248	U		79	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1254	U		51	140	µg/Kg-dry	1	4/23/2014 14:45
Aroclor 1260	U		51	140	µg/Kg-dry	1	4/23/2014 14:45
Surr: Decachlorobiphenyl	*94.1*			*40-140*	*%REC*	1	4/23/2014 14:45
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.10**		**0.0013**	**0.065**	**mg/Kg-dry**	1	4/28/2014 14:33
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**1.2**	J	**0.011**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Arsenic	**12**		**0.37**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Barium	**70**		**0.077**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Beryllium	**2.7**		**0.022**	**1.1**	**mg/Kg-dry**	5	4/26/2014 12:45
Cadmium	**1.4**		**0.011**	**1.1**	**mg/Kg-dry**	5	4/26/2014 12:45
Chromium	**12**		**0.45**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Cobalt	**6.1**		**0.011**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Copper	**30**		**0.54**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Iron	**40,000**		**9.1**	**44**	**mg/Kg-dry**	5	4/26/2014 12:45
Lead	**42**		**0.011**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Manganese	**210**		**0.24**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Molybdenum	**5.5**		**0.12**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Nickel	**19**		**0.27**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Selenium	**2.5**	J	**0.35**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Silver	**0.029**	J	**0.011**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Thallium	**0.53**	J	**0.066**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Vanadium	**38**		**0.16**	**2.7**	**mg/Kg-dry**	5	4/26/2014 12:45
Zinc	**130**		**0.23**	**5.5**	**mg/Kg-dry**	5	4/26/2014 12:45
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	**520**		**23**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Acenaphthene	U		8.3	56	µg/Kg-dry	5	4/23/2014 19:29
Acenaphthylene	**530**		**10**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-048
Collection Date: 4/14/2014 02:35 PM

Work Order: 1404759
Lab ID: 1404759-48
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**500**		**11**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Benzo(a)anthracene	**1,100**		**11**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Benzo(a)pyrene	**1,700**		**18**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Benzo(b)fluoranthene	**2,900**		**16**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Benzo(g,h,i)perylene	**810**		**22**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Benzo(k)fluoranthene	**810**		**12**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Chrysene	**1,800**		**13**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Dibenzo(a,h)anthracene	**370**		**21**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Fluoranthene	**1,400**		**19**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Fluorene	U		19	56	µg/Kg-dry	5	4/23/2014 19:29
Indeno(1,2,3-cd)pyrene	**940**		**19**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Naphthalene	**380**		**20**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Phenanthrene	**2,900**		**11**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Pyrene	**1,300**		**19**	**56**	**µg/Kg-dry**	5	4/23/2014 19:29
Surr: 2-Fluorobiphenyl	*72.6*			*12-100*	*%REC*	5	4/23/2014 19:29
Surr: 4-Terphenyl-d14	*93.8*			*25-137*	*%REC*	5	4/23/2014 19:29
Surr: Nitrobenzene-d5	*52.3*			*37-107*	*%REC*	5	4/23/2014 19:29
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		36	93	µg/Kg-dry	1	4/25/2014 21:47
1,1,2,2-Tetrachloroethane	U		41	93	µg/Kg-dry	1	4/25/2014 21:47
1,1,2-Trichloroethane	U		33	93	µg/Kg-dry	1	4/25/2014 21:47
1,1,2-Trichlorotrifluoroethane	U		35	93	µg/Kg-dry	1	4/25/2014 21:47
1,1-Dichloroethane	U		34	93	µg/Kg-dry	1	4/25/2014 21:47
1,1-Dichloroethene	U		39	93	µg/Kg-dry	1	4/25/2014 21:47
1,2,4-Trichlorobenzene	U		48	93	µg/Kg-dry	1	4/25/2014 21:47
1,2-Dibromo-3-chloropropane	U		45	93	µg/Kg-dry	1	4/25/2014 21:47
1,2-Dibromoethane	U		37	93	µg/Kg-dry	1	4/25/2014 21:47
1,2-Dichlorobenzene	U		37	93	µg/Kg-dry	1	4/25/2014 21:47
1,2-Dichloroethane	U		44	93	µg/Kg-dry	1	4/25/2014 21:47
1,2-Dichloropropane	U		31	93	µg/Kg-dry	1	4/25/2014 21:47
1,3-Dichlorobenzene	U		37	93	µg/Kg-dry	1	4/25/2014 21:47
1,4-Dichlorobenzene	U		36	93	µg/Kg-dry	1	4/25/2014 21:47
2-Butanone	U		230	620	µg/Kg-dry	1	4/25/2014 21:47
2-Hexanone	U		23	93	µg/Kg-dry	1	4/25/2014 21:47
4-Methyl-2-pentanone	U		32	93	µg/Kg-dry	1	4/25/2014 21:47
Acetone	U		200	310	µg/Kg-dry	1	4/25/2014 21:47
Benzene	U		37	93	µg/Kg-dry	1	4/25/2014 21:47
Bromodichloromethane	U		21	93	µg/Kg-dry	1	4/25/2014 21:47

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-048
Collection Date: 4/14/2014 02:35 PM

Work Order: 1404759
Lab ID: 1404759-48
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		18	93	µg/Kg-dry	1	4/25/2014 21:47
Bromomethane	U		36	230	µg/Kg-dry	1	4/25/2014 21:47
Carbon disulfide	U		46	93	µg/Kg-dry	1	4/25/2014 21:47
Carbon tetrachloride	U		27	93	µg/Kg-dry	1	4/25/2014 21:47
Chlorobenzene	U		38	93	µg/Kg-dry	1	4/25/2014 21:47
Chloroethane	U		200	310	µg/Kg-dry	1	4/25/2014 21:47
Chloroform	U		38	93	µg/Kg-dry	1	4/25/2014 21:47
Chloromethane	U		52	310	µg/Kg-dry	1	4/25/2014 21:47
cis-1,2-Dichloroethene	U		38	93	µg/Kg-dry	1	4/25/2014 21:47
cis-1,3-Dichloropropene	U		32	93	µg/Kg-dry	1	4/25/2014 21:47
Cyclohexane	U		42	93	µg/Kg-dry	1	4/25/2014 21:47
Dibromochloromethane	U		17	93	µg/Kg-dry	1	4/25/2014 21:47
Dichlorodifluoromethane	U		42	93	µg/Kg-dry	1	4/25/2014 21:47
Ethylbenzene	U		35	93	µg/Kg-dry	1	4/25/2014 21:47
Isopropylbenzene	U		40	93	µg/Kg-dry	1	4/25/2014 21:47
Methyl acetate	**2,100**		**130**	**620**	**µg/Kg-dry**	1	4/25/2014 21:47
Methyl tert-butyl ether	U		39	93	µg/Kg-dry	1	4/25/2014 21:47
Methylcyclohexane	**910**		**43**	**93**	**µg/Kg-dry**	1	4/25/2014 21:47
Methylene chloride	U		37	93	µg/Kg-dry	1	4/25/2014 21:47
Styrene	U		35	93	µg/Kg-dry	1	4/25/2014 21:47
Tetrachloroethene	U		42	93	µg/Kg-dry	1	4/25/2014 21:47
Toluene	U		35	93	µg/Kg-dry	1	4/25/2014 21:47
trans-1,2-Dichloroethene	U		29	93	µg/Kg-dry	1	4/25/2014 21:47
trans-1,3-Dichloropropene	U		31	93	µg/Kg-dry	1	4/25/2014 21:47
Trichloroethene	U		44	93	µg/Kg-dry	1	4/25/2014 21:47
Trichlorofluoromethane	U		26	93	µg/Kg-dry	1	4/25/2014 21:47
Vinyl chloride	U		42	93	µg/Kg-dry	1	4/25/2014 21:47
Xylenes, Total	U		110	280	µg/Kg-dry	1	4/25/2014 21:47
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-130*	*%REC*	1	4/25/2014 21:47
Surr: 4-Bromofluorobenzene	*89.6*			*70-130*	*%REC*	1	4/25/2014 21:47
Surr: Dibromofluoromethane	*98.4*			*70-130*	*%REC*	1	4/25/2014 21:47
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/25/2014 21:47
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**41**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-049
Collection Date: 4/14/2014 02:37 PM

Work Order: 1404759
Lab ID: 1404759-49
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		49	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1221	U		49	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1232	U		49	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1242	U		49	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1248	U		49	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1254	U		31	86	µg/Kg-dry	1	4/23/2014 15:01
Aroclor 1260	U		31	86	µg/Kg-dry	1	4/23/2014 15:01
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/23/2014 15:01
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.021**	J	**0.00086**	**0.043**	**mg/Kg-dry**	1	4/28/2014 14:36
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**6.2**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Arsenic	**28**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Barium	**48**		**0.059**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Beryllium	**0.46**	J	**0.017**	**0.85**	**mg/Kg-dry**	5	4/26/2014 12:51
Cadmium	**0.53**	J	**0.0085**	**0.85**	**mg/Kg-dry**	5	4/26/2014 12:51
Chromium	**6.2**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Cobalt	**4.1**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Copper	**55**		**0.41**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Iron	**49,000**		**7.0**	**34**	**mg/Kg-dry**	5	4/26/2014 12:51
Lead	**110**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Manganese	**98**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Molybdenum	**1.8**	J	**0.093**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Nickel	**9.0**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Selenium	**1.4**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Silver	**0.037**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Thallium	**0.47**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Vanadium	**10**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 12:51
Zinc	**17**		**0.18**	**4.2**	**mg/Kg-dry**	5	4/26/2014 12:51
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57828							
2-Methylnaphthalene	**1,300**		**14**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Acenaphthene	U		5.1	34	µg/Kg-dry	5	4/24/2014 20:24
Acenaphthylene	U		6.2	34	µg/Kg-dry	5	4/24/2014 20:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-049
Collection Date: 4/14/2014 02:37 PM

Work Order: 1404759
Lab ID: 1404759-49
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**85**		**6.7**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Benzo(a)anthracene	**270**		**6.7**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Benzo(a)pyrene	**320**		**11**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Benzo(b)fluoranthene	**420**		**9.9**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Benzo(g,h,i)perylene	**210**		**13**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Benzo(k)fluoranthene	**120**		**7.2**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Chrysene	**240**		**8.1**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Dibenzo(a,h)anthracene	**100**		**13**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Fluoranthene	**190**		**12**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Fluorene	U		11	34	µg/Kg-dry	5	4/24/2014 20:24
Indeno(1,2,3-cd)pyrene	**240**		**11**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Naphthalene	**1,000**		**12**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Phenanthrene	**650**		**6.8**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Pyrene	**190**		**11**	**34**	**µg/Kg-dry**	5	4/24/2014 20:24
Surr: 2-Fluorobiphenyl	*65.7*			*12-100*	*%REC*	5	4/24/2014 20:24
Surr: 4-Terphenyl-d14	*88.1*			*25-137*	*%REC*	5	4/24/2014 20:24
Surr: Nitrobenzene-d5	*64.6*			*37-107*	*%REC*	5	4/24/2014 20:24
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
1,1,2,2-Tetrachloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 22:12
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 22:12
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 22:12
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 22:12
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 22:12
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 22:12
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 22:12
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/25/2014 22:12
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 22:12
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
1,4-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
2-Butanone	U		82	220	µg/Kg-dry	1	4/25/2014 22:12
2-Hexanone	U		8.1	33	µg/Kg-dry	1	4/25/2014 22:12
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 22:12
Acetone	U		70	110	µg/Kg-dry	1	4/25/2014 22:12
Benzene	**170**		**13**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
Bromodichloromethane	U		7.4	33	µg/Kg-dry	1	4/25/2014 22:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-049
Collection Date: 4/14/2014 02:37 PM

Work Order: 1404759
Lab ID: 1404759-49
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.5	33	µg/Kg-dry	1	4/25/2014 22:12
Bromomethane	U		13	83	µg/Kg-dry	1	4/25/2014 22:12
Carbon disulfide	U		16	33	µg/Kg-dry	1	4/25/2014 22:12
Carbon tetrachloride	U		9.4	33	µg/Kg-dry	1	4/25/2014 22:12
Chlorobenzene	U		14	33	µg/Kg-dry	1	4/25/2014 22:12
Chloroethane	U		70	110	µg/Kg-dry	1	4/25/2014 22:12
Chloroform	U		14	33	µg/Kg-dry	1	4/25/2014 22:12
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 22:12
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 22:12
Cyclohexane	**370**		**15**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
Dibromochloromethane	U		6.1	33	µg/Kg-dry	1	4/25/2014 22:12
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 22:12
Ethylbenzene	**220**		**12**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
Isopropylbenzene	**56**		**14**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
Methyl acetate	**780**		**45**	**220**	**µg/Kg-dry**	1	4/25/2014 22:12
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 22:12
Methylcyclohexane	**860**		**15**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 22:12
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 22:12
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 22:12
Toluene	**1,200**		**12**	**33**	**µg/Kg-dry**	1	4/25/2014 22:12
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 22:12
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 22:12
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 22:12
Trichlorofluoromethane	U		9.1	33	µg/Kg-dry	1	4/25/2014 22:12
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 22:12
Xylenes, Total	**2,100**		**39**	**100**	**µg/Kg-dry**	1	4/25/2014 22:12
Surr: 1,2-Dichloroethane-d4	*98.4*			*70-130*	*%REC*	1	4/25/2014 22:12
Surr: 4-Bromofluorobenzene	*99.2*			*70-130*	*%REC*	1	4/25/2014 22:12
Surr: Dibromofluoromethane	*98.9*			*70-130*	*%REC*	1	4/25/2014 22:12
Surr: Toluene-d8	*99.9*			*70-130*	*%REC*	1	4/25/2014 22:12
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**4.4**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-050
Collection Date: 4/14/2014 02:40 PM

Work Order: 1404759
Lab ID: 1404759-50
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		81	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1221	U		81	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1232	U		81	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1242	U		81	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1248	U		81	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1254	U		52	140	µg/Kg-dry	1	4/23/2014 15:18
Aroclor 1260	U		52	140	µg/Kg-dry	1	4/23/2014 15:18
Surr: Decachlorobiphenyl	*88.1*			*40-140*	*%REC*	1	4/23/2014 15:18
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.076**		**0.0013**	**0.065**	**mg/Kg-dry**	1	4/28/2014 14:38
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.50**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Arsenic	**4.1**		**0.48**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Barium	**29**		**0.098**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Beryllium	**0.25**	J	**0.028**	**1.4**	**mg/Kg-dry**	5	4/26/2014 12:57
Cadmium	**0.38**	J	**0.014**	**1.4**	**mg/Kg-dry**	5	4/26/2014 12:57
Chromium	**9.0**		**0.58**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Cobalt	**1.6**	J	**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Copper	**13**		**0.69**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Iron	**5,500**		**12**	**56**	**mg/Kg-dry**	5	4/26/2014 12:57
Lead	**10**		**0.014**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Manganese	**82**		**0.31**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Molybdenum	**0.39**	J	**0.15**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Nickel	**6.2**		**0.35**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Selenium	**4.6**		**0.45**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Silver	U		0.014	3.5	mg/Kg-dry	5	4/26/2014 12:57
Thallium	**0.087**	J	**0.084**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Vanadium	**25**		**0.21**	**3.5**	**mg/Kg-dry**	5	4/26/2014 12:57
Zinc	**8.5**		**0.30**	**7.0**	**mg/Kg-dry**	5	4/26/2014 12:57
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		4.8	12	µg/Kg-dry	1	4/22/2014 20:36
Acenaphthene	U		1.7	12	µg/Kg-dry	1	4/22/2014 20:36
Acenaphthylene	U		2.1	12	µg/Kg-dry	1	4/22/2014 20:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-050
Collection Date: 4/14/2014 02:40 PM

Work Order: 1404759
Lab ID: 1404759-50
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		2.3	12	µg/Kg-dry	1	4/22/2014 20:36
Benzo(a)anthracene	U		2.3	12	µg/Kg-dry	1	4/22/2014 20:36
Benzo(a)pyrene	**17**		**3.8**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Benzo(b)fluoranthene	**31**		**3.4**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Benzo(g,h,i)perylene	U		4.6	12	µg/Kg-dry	1	4/22/2014 20:36
Benzo(k)fluoranthene	**15**		**2.5**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Chrysene	**31**		**2.8**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Dibenzo(a,h)anthracene	U		4.3	12	µg/Kg-dry	1	4/22/2014 20:36
Fluoranthene	**20**		**4.1**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Fluorene	U		3.9	12	µg/Kg-dry	1	4/22/2014 20:36
Indeno(1,2,3-cd)pyrene	U		3.9	12	µg/Kg-dry	1	4/22/2014 20:36
Naphthalene	U		4.3	12	µg/Kg-dry	1	4/22/2014 20:36
Phenanthrene	U		2.3	12	µg/Kg-dry	1	4/22/2014 20:36
Pyrene	**20**		**3.9**	**12**	**µg/Kg-dry**	1	4/22/2014 20:36
Surr: 2-Fluorobiphenyl	*70.5*			*12-100*	*%REC*	1	4/22/2014 20:36
Surr: 4-Terphenyl-d14	*86.5*			*25-137*	*%REC*	1	4/22/2014 20:36
Surr: Nitrobenzene-d5	*71.5*			*37-107*	*%REC*	1	4/22/2014 20:36
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		32	85	µg/Kg-dry	1	4/25/2014 22:36
1,1,2,2-Tetrachloroethane	U		37	85	µg/Kg-dry	1	4/25/2014 22:36
1,1,2-Trichloroethane	U		30	85	µg/Kg-dry	1	4/25/2014 22:36
1,1,2-Trichlorotrifluoroethane	U		31	85	µg/Kg-dry	1	4/25/2014 22:36
1,1-Dichloroethane	U		31	85	µg/Kg-dry	1	4/25/2014 22:36
1,1-Dichloroethene	U		36	85	µg/Kg-dry	1	4/25/2014 22:36
1,2,4-Trichlorobenzene	U		44	85	µg/Kg-dry	1	4/25/2014 22:36
1,2-Dibromo-3-chloropropane	U		41	85	µg/Kg-dry	1	4/25/2014 22:36
1,2-Dibromoethane	U		33	85	µg/Kg-dry	1	4/25/2014 22:36
1,2-Dichlorobenzene	U		34	85	µg/Kg-dry	1	4/25/2014 22:36
1,2-Dichloroethane	U		40	85	µg/Kg-dry	1	4/25/2014 22:36
1,2-Dichloropropane	U		28	85	µg/Kg-dry	1	4/25/2014 22:36
1,3-Dichlorobenzene	U		34	85	µg/Kg-dry	1	4/25/2014 22:36
1,4-Dichlorobenzene	U		32	85	µg/Kg-dry	1	4/25/2014 22:36
2-Butanone	U		210	570	µg/Kg-dry	1	4/25/2014 22:36
2-Hexanone	U		21	85	µg/Kg-dry	1	4/25/2014 22:36
4-Methyl-2-pentanone	U		29	85	µg/Kg-dry	1	4/25/2014 22:36
Acetone	U		180	280	µg/Kg-dry	1	4/25/2014 22:36
Benzene	U		34	85	µg/Kg-dry	1	4/25/2014 22:36
Bromodichloromethane	U		19	85	µg/Kg-dry	1	4/25/2014 22:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-050
Collection Date: 4/14/2014 02:40 PM

Work Order: 1404759
Lab ID: 1404759-50
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		17	85	µg/Kg-dry	1	4/25/2014 22:36
Bromomethane	U		32	210	µg/Kg-dry	1	4/25/2014 22:36
Carbon disulfide	U		42	85	µg/Kg-dry	1	4/25/2014 22:36
Carbon tetrachloride	U		24	85	µg/Kg-dry	1	4/25/2014 22:36
Chlorobenzene	U		35	85	µg/Kg-dry	1	4/25/2014 22:36
Chloroethane	U		180	280	µg/Kg-dry	1	4/25/2014 22:36
Chloroform	U		35	85	µg/Kg-dry	1	4/25/2014 22:36
Chloromethane	U		47	280	µg/Kg-dry	1	4/25/2014 22:36
cis-1,2-Dichloroethene	U		34	85	µg/Kg-dry	1	4/25/2014 22:36
cis-1,3-Dichloropropene	U		29	85	µg/Kg-dry	1	4/25/2014 22:36
Cyclohexane	U		38	85	µg/Kg-dry	1	4/25/2014 22:36
Dibromochloromethane	U		16	85	µg/Kg-dry	1	4/25/2014 22:36
Dichlorodifluoromethane	U		38	85	µg/Kg-dry	1	4/25/2014 22:36
Ethylbenzene	U		31	85	µg/Kg-dry	1	4/25/2014 22:36
Isopropylbenzene	U		37	85	µg/Kg-dry	1	4/25/2014 22:36
Methyl acetate	U		110	570	µg/Kg-dry	1	4/25/2014 22:36
Methyl tert-butyl ether	U		36	85	µg/Kg-dry	1	4/25/2014 22:36
Methylcyclohexane	U		39	85	µg/Kg-dry	1	4/25/2014 22:36
Methylene chloride	U		33	85	µg/Kg-dry	1	4/25/2014 22:36
Styrene	U		32	85	µg/Kg-dry	1	4/25/2014 22:36
Tetrachloroethene	U		38	85	µg/Kg-dry	1	4/25/2014 22:36
Toluene	U		32	85	µg/Kg-dry	1	4/25/2014 22:36
trans-1,2-Dichloroethene	U		26	85	µg/Kg-dry	1	4/25/2014 22:36
trans-1,3-Dichloropropene	U		28	85	µg/Kg-dry	1	4/25/2014 22:36
Trichloroethene	U		40	85	µg/Kg-dry	1	4/25/2014 22:36
Trichlorofluoromethane	U		23	85	µg/Kg-dry	1	4/25/2014 22:36
Vinyl chloride	U		38	85	µg/Kg-dry	1	4/25/2014 22:36
Xylenes, Total	U		100	250	µg/Kg-dry	1	4/25/2014 22:36
Surr: 1,2-Dichloroethane-d4	*101*			*70-130*	*%REC*	1	4/25/2014 22:36
Surr: 4-Bromofluorobenzene	*94.7*			*70-130*	*%REC*	1	4/25/2014 22:36
Surr: Dibromofluoromethane	*99.0*			*70-130*	*%REC*	1	4/25/2014 22:36
Surr: Toluene-d8	*98.4*			*70-130*	*%REC*	1	4/25/2014 22:36
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**44**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-051
Collection Date: 4/14/2014 02:42 PM

Work Order: 1404759
Lab ID: 1404759-51
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		50	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1221	U		50	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1232	U		50	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1242	U		50	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1248	U		50	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1254	U		32	88	µg/Kg-dry	1	4/23/2014 15:34
Aroclor 1260	U		32	88	µg/Kg-dry	1	4/23/2014 15:34
Surr: Decachlorobiphenyl	*93.1*			*40-140*	*%REC*	1	4/23/2014 15:34
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0018**	J	**0.00082**	**0.041**	**mg/Kg-dry**	1	4/28/2014 14:40
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.043**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Arsenic	**2.4**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Barium	**12**		**0.060**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Beryllium	**0.048**	J	**0.017**	**0.85**	**mg/Kg-dry**	5	4/26/2014 13:03
Cadmium	**0.058**	J	**0.0085**	**0.85**	**mg/Kg-dry**	5	4/26/2014 13:03
Chromium	**5.7**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Cobalt	**1.6**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Copper	**6.8**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Iron	**5,700**		**7.1**	**34**	**mg/Kg-dry**	5	4/26/2014 13:03
Lead	**2.5**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Manganese	**37**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Molybdenum	**0.54**	J	**0.094**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Nickel	**4.1**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Selenium	**0.64**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Silver	U		0.0085	2.1	mg/Kg-dry	5	4/26/2014 13:03
Thallium	U		0.051	2.1	mg/Kg-dry	5	4/26/2014 13:03
Vanadium	**5.0**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/26/2014 13:03
Zinc	**9.0**		**0.18**	**4.3**	**mg/Kg-dry**	5	4/26/2014 13:03
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		2.9	7.0	µg/Kg-dry	1	4/22/2014 16:55
Acenaphthene	U		1.0	7.0	µg/Kg-dry	1	4/22/2014 16:55
Acenaphthylene	U		1.3	7.0	µg/Kg-dry	1	4/22/2014 16:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-051
Collection Date: 4/14/2014 02:42 PM

Work Order: 1404759
Lab ID: 1404759-51
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**4.9**	J	**1.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Benzo(a)anthracene	U		1.4	7.0	µg/Kg-dry	1	4/22/2014 16:55
Benzo(a)pyrene	**14**		**2.3**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Benzo(b)fluoranthene	**14**		**2.0**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Benzo(g,h,i)perylene	**8.4**		**2.7**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Benzo(k)fluoranthene	**6.3**	J	**1.5**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Chrysene	**14**		**1.7**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Dibenzo(a,h)anthracene	U		2.6	7.0	µg/Kg-dry	1	4/22/2014 16:55
Fluoranthene	**21**		**2.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Fluorene	U		2.3	7.0	µg/Kg-dry	1	4/22/2014 16:55
Indeno(1,2,3-cd)pyrene	**6.6**	J	**2.3**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Naphthalene	U		2.6	7.0	µg/Kg-dry	1	4/22/2014 16:55
Phenanthrene	**17**		**1.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Pyrene	**18**		**2.4**	**7.0**	**µg/Kg-dry**	1	4/22/2014 16:55
Surr: 2-Fluorobiphenyl	*62.8*			*12-100*	*%REC*	1	4/22/2014 16:55
Surr: 4-Terphenyl-d14	*82.2*			*25-137*	*%REC*	1	4/22/2014 16:55
Surr: Nitrobenzene-d5	*62.8*			*37-107*	*%REC*	1	4/22/2014 16:55
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **AK**
BatchID: 57907							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/26/2014 01:23
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
1,1-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
1,2,4-Trichlorobenzene	U		17	32	µg/Kg-dry	1	4/26/2014 01:23
1,2-Dibromo-3-chloropropane	U		16	32	µg/Kg-dry	1	4/26/2014 01:23
1,2-Dibromoethane	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/26/2014 01:23
1,2-Dichloropropane	U		11	32	µg/Kg-dry	1	4/26/2014 01:23
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
2-Butanone	U		79	210	µg/Kg-dry	1	4/26/2014 01:23
2-Hexanone	U		7.9	32	µg/Kg-dry	1	4/26/2014 01:23
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/26/2014 01:23
Acetone	U		68	110	µg/Kg-dry	1	4/26/2014 01:23
Benzene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
Bromodichloromethane	U		7.2	32	µg/Kg-dry	1	4/26/2014 01:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-051
Collection Date: 4/14/2014 02:42 PM

Work Order: 1404759
Lab ID: 1404759-51
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.3	32	µg/Kg-dry	1	4/26/2014 01:23
Bromomethane	U		12	80	µg/Kg-dry	1	4/26/2014 01:23
Carbon disulfide	U		16	32	µg/Kg-dry	1	4/26/2014 01:23
Carbon tetrachloride	U		9.1	32	µg/Kg-dry	1	4/26/2014 01:23
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
Chloroethane	U		68	110	µg/Kg-dry	1	4/26/2014 01:23
Chloroform	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 01:23
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 01:23
Cyclohexane	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Dibromochloromethane	U		5.9	32	µg/Kg-dry	1	4/26/2014 01:23
Dichlorodifluoromethane	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Methyl acetate	**78**	J	**43**	**210**	**µg/Kg-dry**	1	4/26/2014 01:23
Methyl tert-butyl ether	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 01:23
Methylene chloride	U		13	32	µg/Kg-dry	1	4/26/2014 01:23
Styrene	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Toluene	U		12	32	µg/Kg-dry	1	4/26/2014 01:23
trans-1,2-Dichloroethene	U		9.9	32	µg/Kg-dry	1	4/26/2014 01:23
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 01:23
Trichloroethene	U		15	32	µg/Kg-dry	1	4/26/2014 01:23
Trichlorofluoromethane	U		8.8	32	µg/Kg-dry	1	4/26/2014 01:23
Vinyl chloride	U		14	32	µg/Kg-dry	1	4/26/2014 01:23
Xylenes, Total	U		38	96	µg/Kg-dry	1	4/26/2014 01:23
Surr: 1,2-Dichloroethane-d4	*93.2*			*70-130*	*%REC*	1	4/26/2014 01:23
Surr: 4-Bromofluorobenzene	*88.0*			*70-130*	*%REC*	1	4/26/2014 01:23
Surr: Dibromofluoromethane	*95.4*			*70-130*	*%REC*	1	4/26/2014 01:23
Surr: Toluene-d8	*98.0*			*70-130*	*%REC*	1	4/26/2014 01:23
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139109							
Moisture	**6.5**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 18:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-052
Collection Date: 4/14/2014 02:45 PM

Work Order: 1404759
Lab ID: 1404759-52
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		47	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1221	U		47	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1232	U		47	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1242	U		47	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1248	U		47	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1254	U		30	83	µg/Kg-dry	1	4/23/2014 16:22
Aroclor 1260	U		30	83	µg/Kg-dry	1	4/23/2014 16:22
Surr: Decachlorobiphenyl	*93.1*			*40-140*	*%REC*	1	4/23/2014 16:22
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.0016**	J	**0.00072**	**0.036**	**mg/Kg-dry**	1	4/28/2014 14:54
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.13**	J	**0.0078**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Arsenic	**3.5**		**0.26**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Barium	**4.0**		**0.054**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Beryllium	**0.18**	J	**0.016**	**0.78**	**mg/Kg-dry**	5	4/26/2014 13:44
Cadmium	**0.14**	J	**0.0078**	**0.78**	**mg/Kg-dry**	5	4/26/2014 13:44
Chromium	**3.2**		**0.32**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Cobalt	**1.6**	J	**0.0078**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Copper	**4.3**		**0.38**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Iron	**3,100**		**6.5**	**31**	**mg/Kg-dry**	5	4/26/2014 13:44
Lead	**1.9**	J	**0.0078**	**1.9**	**mg/Kg-dry**	5	4/26/2014 21:18
Manganese	**57**		**0.17**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Molybdenum	**0.32**	J	**0.086**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Nickel	**3.8**		**0.19**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Selenium	**0.32**	J	**0.25**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Silver	**0.079**	J	**0.0078**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Thallium	**0.16**	J	**0.047**	**1.9**	**mg/Kg-dry**	5	4/26/2014 21:18
Vanadium	**4.7**		**0.12**	**1.9**	**mg/Kg-dry**	5	4/26/2014 13:44
Zinc	**6.5**		**0.16**	**3.9**	**mg/Kg-dry**	5	4/26/2014 13:44
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57828							
2-Methylnaphthalene	U		2.8	6.8	µg/Kg-dry	1	4/22/2014 20:04
Acenaphthene	U		1.0	6.8	µg/Kg-dry	1	4/22/2014 20:04
Acenaphthylene	U		1.2	6.8	µg/Kg-dry	1	4/22/2014 20:04

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-052
Collection Date: 4/14/2014 02:45 PM

Work Order: 1404759
Lab ID: 1404759-52
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 20:04
Benzo(a)anthracene	U		1.3	6.8	µg/Kg-dry	1	4/22/2014 20:04
Benzo(a)pyrene	U		2.2	6.8	µg/Kg-dry	1	4/22/2014 20:04
Benzo(b)fluoranthene	U		2.0	6.8	µg/Kg-dry	1	4/22/2014 20:04
Benzo(g,h,i)perylene	U		2.7	6.8	µg/Kg-dry	1	4/22/2014 20:04
Benzo(k)fluoranthene	U		1.4	6.8	µg/Kg-dry	1	4/22/2014 20:04
Chrysene	U		1.6	6.8	µg/Kg-dry	1	4/22/2014 20:04
Dibenzo(a,h)anthracene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 20:04
Fluoranthene	U		2.4	6.8	µg/Kg-dry	1	4/22/2014 20:04
Fluorene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 20:04
Indeno(1,2,3-cd)pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 20:04
Naphthalene	U		2.5	6.8	µg/Kg-dry	1	4/22/2014 20:04
Phenanthrene	U		1.4	6.8	µg/Kg-dry	1	4/22/2014 20:04
Pyrene	U		2.3	6.8	µg/Kg-dry	1	4/22/2014 20:04
Surr: 2-Fluorobiphenyl	*68.0*			*12-100*	*%REC*	1	4/22/2014 20:04
Surr: 4-Terphenyl-d14	*89.3*			*25-137*	*%REC*	1	4/22/2014 20:04
Surr: Nitrobenzene-d5	*68.5*			*37-107*	*%REC*	1	4/22/2014 20:04
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/25/2014 23:00
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
1,1-Dichloroethene	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
1,2,4-Trichlorobenzene	U		17	32	µg/Kg-dry	1	4/25/2014 23:00
1,2-Dibromo-3-chloropropane	U		16	32	µg/Kg-dry	1	4/25/2014 23:00
1,2-Dibromoethane	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/25/2014 23:00
1,2-Dichloropropane	U		11	32	µg/Kg-dry	1	4/25/2014 23:00
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
2-Butanone	U		80	210	µg/Kg-dry	1	4/25/2014 23:00
2-Hexanone	U		7.9	32	µg/Kg-dry	1	4/25/2014 23:00
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/25/2014 23:00
Acetone	U		68	110	µg/Kg-dry	1	4/25/2014 23:00
Benzene	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
Bromodichloromethane	U		7.2	32	µg/Kg-dry	1	4/25/2014 23:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-052
Collection Date: 4/14/2014 02:45 PM

Work Order: 1404759
Lab ID: 1404759-52
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.3	32	µg/Kg-dry	1	4/25/2014 23:00
Bromomethane	U		12	80	µg/Kg-dry	1	4/25/2014 23:00
Carbon disulfide	U		16	32	µg/Kg-dry	1	4/25/2014 23:00
Carbon tetrachloride	U		9.2	32	µg/Kg-dry	1	4/25/2014 23:00
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
Chloroethane	U		68	110	µg/Kg-dry	1	4/25/2014 23:00
Chloroform	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 23:00
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/25/2014 23:00
Cyclohexane	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
Dibromochloromethane	U		6.0	32	µg/Kg-dry	1	4/25/2014 23:00
Dichlorodifluoromethane	U		15	32	µg/Kg-dry	1	4/25/2014 23:00
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
Methyl acetate	U		43	210	µg/Kg-dry	1	4/25/2014 23:00
Methyl tert-butyl ether	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/25/2014 23:00
Methylene chloride	U		13	32	µg/Kg-dry	1	4/25/2014 23:00
Styrene	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/25/2014 23:00
Toluene	U		12	32	µg/Kg-dry	1	4/25/2014 23:00
trans-1,2-Dichloroethene	U		9.9	32	µg/Kg-dry	1	4/25/2014 23:00
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/25/2014 23:00
Trichloroethene	U		15	32	µg/Kg-dry	1	4/25/2014 23:00
Trichlorofluoromethane	U		8.9	32	µg/Kg-dry	1	4/25/2014 23:00
Vinyl chloride	U		15	32	µg/Kg-dry	1	4/25/2014 23:00
Xylenes, Total	U		38	97	µg/Kg-dry	1	4/25/2014 23:00
Surr: 1,2-Dichloroethane-d4	*99.5*			*70-130*	*%REC*	1	4/25/2014 23:00
Surr: 4-Bromofluorobenzene	*96.8*			*70-130*	*%REC*	1	4/25/2014 23:00
Surr: Dibromofluoromethane	*99.3*			*70-130*	*%REC*	1	4/25/2014 23:00
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/25/2014 23:00
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**4.4**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-053
Collection Date: 4/14/2014 03:00 PM

Work Order: 1404759
Lab ID: 1404759-53
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		53	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1221	U		53	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1232	U		53	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1242	U		53	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1248	U		53	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1254	U		34	94	µg/Kg-dry	1	4/23/2014 16:38
Aroclor 1260	**3,500**		**34**	**94**	**µg/Kg-dry**	1	4/23/2014 16:38
Surr: Decachlorobiphenyl	*85.1*			*40-140*	*%REC*	1	4/23/2014 16:38
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58007							
Mercury	**0.20**		**0.00091**	**0.046**	**mg/Kg-dry**	1	4/28/2014 14:57
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**9.1**		**0.0088**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Arsenic	**13**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Barium	**79**		**0.062**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Beryllium	**0.73**	J	**0.018**	**0.88**	**mg/Kg-dry**	5	4/26/2014 13:50
Cadmium	**1.8**		**0.0088**	**0.88**	**mg/Kg-dry**	5	4/26/2014 13:50
Chromium	**45**		**0.36**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Cobalt	**5.4**		**0.0088**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Copper	**120**		**0.43**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Iron	**37,000**		**7.3**	**35**	**mg/Kg-dry**	5	4/26/2014 13:50
Molybdenum	**3.9**		**0.097**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Nickel	**20**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Selenium	**1.8**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Silver	**0.16**	J	**0.0088**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Vanadium	**12**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/26/2014 13:50
Zinc	**290**		**0.18**	**4.4**	**mg/Kg-dry**	5	4/26/2014 13:50
BatchID: 57902							
Lead	**280**		**0.088**	**22**	**mg/Kg-dry**	50	4/26/2014 21:24
Manganese	**1,000**		**1.9**	**22**	**mg/Kg-dry**	50	4/26/2014 21:24
Thallium	U		0.53	22	mg/Kg-dry	50	4/26/2014 21:24
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	**4,100**		**63**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Acenaphthene	U		23	150	µg/Kg-dry	20	4/23/2014 12:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-053
Collection Date: 4/14/2014 03:00 PM

Work Order: 1404759
Lab ID: 1404759-53
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthylene	**1,200**		**28**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Anthracene	**1,400**		**30**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Benzo(a)anthracene	**3,300**		**30**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Benzo(a)pyrene	**3,100**		**50**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Benzo(b)fluoranthene	**5,000**		**45**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Benzo(g,h,i)perylene	**2,200**		**60**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Benzo(k)fluoranthene	**1,400**		**32**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Chrysene	**3,600**		**36**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Dibenzo(a,h)anthracene	**740**		**57**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Fluoranthene	**7,200**		**53**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Fluorene	**440**		**51**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Indeno(1,2,3-cd)pyrene	**2,500**		**51**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Naphthalene	**3,300**		**56**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Phenanthrene	**6,000**		**31**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Pyrene	**5,200**		**52**	**150**	**µg/Kg-dry**	20	4/23/2014 12:22
Surr: 2-Fluorobiphenyl	*60.4*			*12-100*	*%REC*	20	4/23/2014 12:22
Surr: 4-Terphenyl-d14	*78.8*			*25-137*	*%REC*	20	4/23/2014 12:22
Surr: Nitrobenzene-d5	*48.4*			*37-107*	*%REC*	20	4/23/2014 12:22
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
1,1,2,2-Tetrachloroethane	U		20	46	µg/Kg-dry	1	4/25/2014 23:25
1,1,2-Trichloroethane	U		16	46	µg/Kg-dry	1	4/25/2014 23:25
1,1,2-Trichlorotrifluoroethane	U		17	46	µg/Kg-dry	1	4/25/2014 23:25
1,1-Dichloroethane	U		17	46	µg/Kg-dry	1	4/25/2014 23:25
1,1-Dichloroethene	U		19	46	µg/Kg-dry	1	4/25/2014 23:25
1,2,4-Trichlorobenzene	U		24	46	µg/Kg-dry	1	4/25/2014 23:25
1,2-Dibromo-3-chloropropane	U		22	46	µg/Kg-dry	1	4/25/2014 23:25
1,2-Dibromoethane	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
1,2-Dichlorobenzene	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
1,2-Dichloroethane	U		22	46	µg/Kg-dry	1	4/25/2014 23:25
1,2-Dichloropropane	U		15	46	µg/Kg-dry	1	4/25/2014 23:25
1,3-Dichlorobenzene	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
1,4-Dichlorobenzene	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
2-Butanone	U		110	310	µg/Kg-dry	1	4/25/2014 23:25
2-Hexanone	U		11	46	µg/Kg-dry	1	4/25/2014 23:25
4-Methyl-2-pentanone	U		16	46	µg/Kg-dry	1	4/25/2014 23:25
Acetone	**1,600**		**98**	**150**	**µg/Kg-dry**	1	4/25/2014 23:25
Benzene	**350**		**18**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-053
Collection Date: 4/14/2014 03:00 PM

Work Order: 1404759
Lab ID: 1404759-53
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		10	46	µg/Kg-dry	1	4/25/2014 23:25
Bromoform	U		9.1	46	µg/Kg-dry	1	4/25/2014 23:25
Bromomethane	U		18	120	µg/Kg-dry	1	4/25/2014 23:25
Carbon disulfide	U		23	46	µg/Kg-dry	1	4/25/2014 23:25
Carbon tetrachloride	U		13	46	µg/Kg-dry	1	4/25/2014 23:25
Chlorobenzene	U		19	46	µg/Kg-dry	1	4/25/2014 23:25
Chloroethane	U		98	150	µg/Kg-dry	1	4/25/2014 23:25
Chloroform	U		19	46	µg/Kg-dry	1	4/25/2014 23:25
Chloromethane	U		26	150	µg/Kg-dry	1	4/25/2014 23:25
cis-1,2-Dichloroethene	U		19	46	µg/Kg-dry	1	4/25/2014 23:25
cis-1,3-Dichloropropene	U		16	46	µg/Kg-dry	1	4/25/2014 23:25
Cyclohexane	**1,800**		**21**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25
Dibromochloromethane	U		8.5	46	µg/Kg-dry	1	4/25/2014 23:25
Dichlorodifluoromethane	U		21	46	µg/Kg-dry	1	4/25/2014 23:25
Ethylbenzene	**540**		**17**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25
Isopropylbenzene	**290**		**20**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25
Methyl acetate	**730**		**62**	**310**	**µg/Kg-dry**	1	4/25/2014 23:25
Methyl tert-butyl ether	U		19	46	µg/Kg-dry	1	4/25/2014 23:25
Methylcyclohexane	**6,400**		**21**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25
Methylene chloride	U		18	46	µg/Kg-dry	1	4/25/2014 23:25
Styrene	U		17	46	µg/Kg-dry	1	4/25/2014 23:25
Tetrachloroethene	U		21	46	µg/Kg-dry	1	4/25/2014 23:25
Toluene	**1,900**		**17**	**46**	**µg/Kg-dry**	1	4/25/2014 23:25
trans-1,2-Dichloroethene	U		14	46	µg/Kg-dry	1	4/25/2014 23:25
trans-1,3-Dichloropropene	U		15	46	µg/Kg-dry	1	4/25/2014 23:25
Trichloroethene	U		22	46	µg/Kg-dry	1	4/25/2014 23:25
Trichlorofluoromethane	U		13	46	µg/Kg-dry	1	4/25/2014 23:25
Vinyl chloride	U		21	46	µg/Kg-dry	1	4/25/2014 23:25
Xylenes, Total	**4,200**		**54**	**140**	**µg/Kg-dry**	1	4/25/2014 23:25
Surr: 1,2-Dichloroethane-d4	*100*			*70-130*	*%REC*	1	4/25/2014 23:25
Surr: 4-Bromofluorobenzene	*98.4*			*70-130*	*%REC*	1	4/25/2014 23:25
Surr: Dibromofluoromethane	*97.9*			*70-130*	*%REC*	1	4/25/2014 23:25
Surr: Toluene-d8	*106*			*70-130*	*%REC*	1	4/25/2014 23:25
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**14**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-054
Collection Date: 4/14/2014 03:02 PM

Work Order: 1404759
Lab ID: 1404759-54
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		51	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1221	U		51	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1232	U		51	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1242	U		51	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1248	U		51	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1254	U		33	90	µg/Kg-dry	1	4/23/2014 16:55
Aroclor 1260	U		33	90	µg/Kg-dry	1	4/23/2014 16:55
Surr: Decachlorobiphenyl	*103*			*40-140*	*%REC*	1	4/23/2014 16:55
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0097**	J	**0.00084**	**0.042**	**mg/Kg-dry**	1	4/28/2014 19:09
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.25**	J	**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Arsenic	**2.0**	J	**0.31**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Barium	**42**		**0.063**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Beryllium	**0.25**	J	**0.018**	**0.90**	**mg/Kg-dry**	5	4/26/2014 13:56
Cadmium	**0.17**	J	**0.0090**	**0.90**	**mg/Kg-dry**	5	4/26/2014 13:56
Chromium	**5.0**		**0.37**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Cobalt	**2.0**	J	**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Copper	**5.2**		**0.44**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Iron	**6,700**		**7.5**	**36**	**mg/Kg-dry**	5	4/26/2014 13:56
Lead	**7.7**		**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 21:29
Manganese	**320**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Molybdenum	**0.42**	J	**0.099**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Nickel	**4.0**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Selenium	**0.75**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Silver	**0.016**	J	**0.0090**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Thallium	**0.068**	J	**0.054**	**2.3**	**mg/Kg-dry**	5	4/26/2014 21:29
Vanadium	**10**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 13:56
Zinc	**27**		**0.19**	**4.5**	**mg/Kg-dry**	5	4/26/2014 13:56
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**59**		**2.9**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/24/2014 18:22
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/24/2014 18:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-054
Collection Date: 4/14/2014 03:02 PM

Work Order: 1404759
Lab ID: 1404759-54
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/24/2014 18:22
Benzo(a)anthracene	**53**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Benzo(a)pyrene	**60**		**2.3**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Benzo(b)fluoranthene	**71**		**2.1**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Benzo(g,h,i)perylene	**39**		**2.8**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Benzo(k)fluoranthene	**29**		**1.5**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Chrysene	**50**		**1.7**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Dibenzo(a,h)anthracene	U		2.6	7.1	µg/Kg-dry	1	4/24/2014 18:22
Fluoranthene	**61**		**2.5**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/24/2014 18:22
Indeno(1,2,3-cd)pyrene	**71**		**2.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Naphthalene	**42**		**2.6**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Phenanthrene	**58**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Pyrene	**46**		**2.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:22
Surr: 2-Fluorobiphenyl	*75.8*			*12-100*	*%REC*	1	4/24/2014 18:22
Surr: 4-Terphenyl-d14	*89.9*			*25-137*	*%REC*	1	4/24/2014 18:22
Surr: Nitrobenzene-d5	*67.6*			*37-107*	*%REC*	1	4/24/2014 18:22
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/25/2014 23:49
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/25/2014 23:49
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/25/2014 23:49
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/25/2014 23:49
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
1,2-Dichloroethane	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/25/2014 23:49
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
2-Butanone	U		81	220	µg/Kg-dry	1	4/25/2014 23:49
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/25/2014 23:49
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/25/2014 23:49
Acetone	U		69	110	µg/Kg-dry	1	4/25/2014 23:49
Benzene	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/25/2014 23:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-054
Collection Date: 4/14/2014 03:02 PM

Work Order: 1404759
Lab ID: 1404759-54
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/25/2014 23:49
Bromomethane	U		13	82	µg/Kg-dry	1	4/25/2014 23:49
Carbon disulfide	**92**		**16**	**33**	**µg/Kg-dry**	1	4/25/2014 23:49
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/25/2014 23:49
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
Chloroethane	U		69	110	µg/Kg-dry	1	4/25/2014 23:49
Chloroform	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
Chloromethane	U		18	110	µg/Kg-dry	1	4/25/2014 23:49
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 23:49
Cyclohexane	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/25/2014 23:49
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/25/2014 23:49
Methyl acetate	**840**		**44**	**220**	**µg/Kg-dry**	1	4/25/2014 23:49
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/25/2014 23:49
Methylcyclohexane	**190**		**15**	**33**	**µg/Kg-dry**	1	4/25/2014 23:49
Methylene chloride	U		13	33	µg/Kg-dry	1	4/25/2014 23:49
Styrene	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
Toluene	U		12	33	µg/Kg-dry	1	4/25/2014 23:49
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/25/2014 23:49
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/25/2014 23:49
Trichloroethene	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/25/2014 23:49
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/25/2014 23:49
Xylenes, Total	U		39	98	µg/Kg-dry	1	4/25/2014 23:49
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-130*	*%REC*	1	4/25/2014 23:49
Surr: 4-Bromofluorobenzene	*95.3*			*70-130*	*%REC*	1	4/25/2014 23:49
Surr: Dibromofluoromethane	*98.4*			*70-130*	*%REC*	1	4/25/2014 23:49
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	4/25/2014 23:49
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**8.1**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-055
Collection Date: 4/14/2014 03:05 PM

Work Order: 1404759
Lab ID: 1404759-55
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		49	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1221	U		49	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1232	U		49	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1242	U		49	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1248	U		49	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1254	U		32	87	µg/Kg-dry	1	4/23/2014 17:27
Aroclor 1260	U		32	87	µg/Kg-dry	1	4/23/2014 17:27
Surr: Decachlorobiphenyl	*92.1*			*40-140*	*%REC*	1	4/23/2014 17:27
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.015**	J	**0.00081**	**0.041**	**mg/Kg-dry**	1	4/28/2014 19:11
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.30**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Arsenic	**1.9**	J	**0.27**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Barium	**47**		**0.056**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Beryllium	**0.22**	J	**0.016**	**0.80**	**mg/Kg-dry**	5	4/26/2014 14:01
Cadmium	**0.20**	J	**0.0080**	**0.80**	**mg/Kg-dry**	5	4/26/2014 14:01
Chromium	**4.9**		**0.33**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Cobalt	**2.1**		**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Copper	**6.8**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Iron	**5,500**		**6.6**	**32**	**mg/Kg-dry**	5	4/26/2014 14:01
Lead	**16**		**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 21:35
Manganese	**340**		**0.18**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Molybdenum	**0.34**	J	**0.088**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Nickel	**3.8**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Selenium	**0.63**	J	**0.26**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Silver	U		0.0080	2.0	mg/Kg-dry	5	4/26/2014 14:01
Thallium	**0.054**	J	**0.048**	**2.0**	**mg/Kg-dry**	5	4/26/2014 21:35
Vanadium	**7.8**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/26/2014 14:01
Zinc	**44**		**0.17**	**4.0**	**mg/Kg-dry**	5	4/26/2014 14:01
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**83**		**2.9**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/24/2014 18:42
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/24/2014 18:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-055
Collection Date: 4/14/2014 03:05 PM

Work Order: 1404759
Lab ID: 1404759-55
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/24/2014 18:42
Benzo(a)anthracene	**44**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Benzo(a)pyrene	**49**		**2.3**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Benzo(b)fluoranthene	**63**		**2.1**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Benzo(g,h,i)perylene	**37**		**2.8**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Benzo(k)fluoranthene	**20**		**1.5**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Chrysene	**41**		**1.7**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Dibenzo(a,h)anthracene	U		2.6	7.1	µg/Kg-dry	1	4/24/2014 18:42
Fluoranthene	**48**		**2.5**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/24/2014 18:42
Indeno(1,2,3-cd)pyrene	**42**		**2.3**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Naphthalene	**64**		**2.6**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Phenanthrene	**67**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Pyrene	**40**		**2.4**	**7.1**	**µg/Kg-dry**	1	4/24/2014 18:42
Surr: 2-Fluorobiphenyl	*78.5*			*12-100*	*%REC*	1	4/24/2014 18:42
Surr: 4-Terphenyl-d14	*88.3*			*25-137*	*%REC*	1	4/24/2014 18:42
Surr: Nitrobenzene-d5	*71.2*			*37-107*	*%REC*	1	4/24/2014 18:42
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/26/2014 12:13
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/26/2014 12:13
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/26/2014 12:13
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/26/2014 12:13
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/26/2014 12:13
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/26/2014 12:13
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
2-Butanone	U		81	220	µg/Kg-dry	1	4/26/2014 12:13
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/26/2014 12:13
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/26/2014 12:13
Acetone	U		69	110	µg/Kg-dry	1	4/26/2014 12:13
Benzene	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/26/2014 12:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-055
Collection Date: 4/14/2014 03:05 PM

Work Order: 1404759
Lab ID: 1404759-55
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/26/2014 12:13
Bromomethane	U		13	82	µg/Kg-dry	1	4/26/2014 12:13
Carbon disulfide	**110**		**16**	**33**	**µg/Kg-dry**	1	4/26/2014 12:13
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/26/2014 12:13
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
Chloroethane	U		69	110	µg/Kg-dry	1	4/26/2014 12:13
Chloroform	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 12:13
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/26/2014 12:13
Cyclohexane	U		15	33	µg/Kg-dry	1	4/26/2014 12:13
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/26/2014 12:13
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/26/2014 12:13
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/26/2014 12:13
Methyl acetate	**780**		**44**	**220**	**µg/Kg-dry**	1	4/26/2014 12:13
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/26/2014 12:13
Methylcyclohexane	**170**		**15**	**33**	**µg/Kg-dry**	1	4/26/2014 12:13
Methylene chloride	U		13	33	µg/Kg-dry	1	4/26/2014 12:13
Styrene	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/26/2014 12:13
Toluene	U		12	33	µg/Kg-dry	1	4/26/2014 12:13
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/26/2014 12:13
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/26/2014 12:13
Trichloroethene	U		15	33	µg/Kg-dry	1	4/26/2014 12:13
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/26/2014 12:13
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/26/2014 12:13
Xylenes, Total	U		39	98	µg/Kg-dry	1	4/26/2014 12:13
Surr: 1,2-Dichloroethane-d4	*99.6*			*70-130*	*%REC*	1	4/26/2014 12:13
Surr: 4-Bromofluorobenzene	*92.2*			*70-130*	*%REC*	1	4/26/2014 12:13
Surr: Dibromofluoromethane	*98.2*			*70-130*	*%REC*	1	4/26/2014 12:13
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/26/2014 12:13
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**8.2**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-056
Collection Date: 4/14/2014 03:07 PM

Work Order: 1404759
Lab ID: 1404759-56
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		50	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1221	U		50	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1232	U		50	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1242	U		50	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1248	U		50	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1254	U		33	89	µg/Kg-dry	1	4/23/2014 17:43
Aroclor 1260	U		33	89	µg/Kg-dry	1	4/23/2014 17:43
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/23/2014 17:43
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0088**	J	**0.00085**	**0.042**	**mg/Kg-dry**	1	4/28/2014 19:14
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.31**	J	**0.0077**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Arsenic	**3.0**		**0.26**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Barium	**46**		**0.054**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Beryllium	**0.16**	J	**0.015**	**0.77**	**mg/Kg-dry**	5	4/26/2014 14:07
Cadmium	**0.092**	J	**0.0077**	**0.77**	**mg/Kg-dry**	5	4/26/2014 14:07
Chromium	**4.5**		**0.31**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Cobalt	**1.9**	J	**0.0077**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Copper	**4.6**		**0.37**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Iron	**7,400**		**6.4**	**31**	**mg/Kg-dry**	5	4/26/2014 14:07
Lead	**5.6**		**0.0077**	**1.9**	**mg/Kg-dry**	5	4/26/2014 21:41
Manganese	**260**		**0.17**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Molybdenum	**0.76**	J	**0.084**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Nickel	**3.8**		**0.19**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Selenium	**0.71**	J	**0.24**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Silver	U		0.0077	1.9	mg/Kg-dry	5	4/26/2014 14:07
Thallium	**0.053**	J	**0.046**	**1.9**	**mg/Kg-dry**	5	4/26/2014 21:41
Vanadium	**7.8**		**0.11**	**1.9**	**mg/Kg-dry**	5	4/26/2014 14:07
Zinc	**18**		**0.16**	**3.8**	**mg/Kg-dry**	5	4/26/2014 14:07
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	U		3.0	7.3	µg/Kg-dry	1	4/24/2014 19:03
Acenaphthene	U		1.1	7.3	µg/Kg-dry	1	4/24/2014 19:03
Acenaphthylene	U		1.3	7.3	µg/Kg-dry	1	4/24/2014 19:03

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-056
Collection Date: 4/14/2014 03:07 PM

Work Order: 1404759
Lab ID: 1404759-56
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.3	µg/Kg-dry	1	4/24/2014 19:03
Benzo(a)anthracene	U		1.4	7.3	µg/Kg-dry	1	4/24/2014 19:03
Benzo(a)pyrene	U		2.4	7.3	µg/Kg-dry	1	4/24/2014 19:03
Benzo(b)fluoranthene	U		2.1	7.3	µg/Kg-dry	1	4/24/2014 19:03
Benzo(g,h,i)perylene	U		2.9	7.3	µg/Kg-dry	1	4/24/2014 19:03
Benzo(k)fluoranthene	U		1.5	7.3	µg/Kg-dry	1	4/24/2014 19:03
Chrysene	U		1.7	7.3	µg/Kg-dry	1	4/24/2014 19:03
Dibenzo(a,h)anthracene	U		2.7	7.3	µg/Kg-dry	1	4/24/2014 19:03
Fluoranthene	U		2.6	7.3	µg/Kg-dry	1	4/24/2014 19:03
Fluorene	U		2.5	7.3	µg/Kg-dry	1	4/24/2014 19:03
Indeno(1,2,3-cd)pyrene	U		2.4	7.3	µg/Kg-dry	1	4/24/2014 19:03
Naphthalene	U		2.7	7.3	µg/Kg-dry	1	4/24/2014 19:03
Phenanthrene	U		1.5	7.3	µg/Kg-dry	1	4/24/2014 19:03
Pyrene	U		2.5	7.3	µg/Kg-dry	1	4/24/2014 19:03
Surr: 2-Fluorobiphenyl	*80.6*			*12-100*	*%REC*	1	4/24/2014 19:03
Surr: 4-Terphenyl-d14	*91.1*			*25-137*	*%REC*	1	4/24/2014 19:03
Surr: Nitrobenzene-d5	*74.8*			*37-107*	*%REC*	1	4/24/2014 19:03
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
1,1,2,2-Tetrachloroethane	U		16	36	µg/Kg-dry	1	4/26/2014 12:38
1,1,2-Trichloroethane	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
1,1,2-Trichlorotrifluoroethane	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
1,1-Dichloroethane	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
1,1-Dichloroethene	U		15	36	µg/Kg-dry	1	4/26/2014 12:38
1,2,4-Trichlorobenzene	U		18	36	µg/Kg-dry	1	4/26/2014 12:38
1,2-Dibromo-3-chloropropane	U		17	36	µg/Kg-dry	1	4/26/2014 12:38
1,2-Dibromoethane	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
1,2-Dichlorobenzene	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
1,2-Dichloroethane	U		17	36	µg/Kg-dry	1	4/26/2014 12:38
1,2-Dichloropropane	U		12	36	µg/Kg-dry	1	4/26/2014 12:38
1,3-Dichlorobenzene	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
1,4-Dichlorobenzene	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
2-Butanone	U		88	240	µg/Kg-dry	1	4/26/2014 12:38
2-Hexanone	U		8.8	36	µg/Kg-dry	1	4/26/2014 12:38
4-Methyl-2-pentanone	U		12	36	µg/Kg-dry	1	4/26/2014 12:38
Acetone	U		76	120	µg/Kg-dry	1	4/26/2014 12:38
Benzene	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
Bromodichloromethane	U		8.0	36	µg/Kg-dry	1	4/26/2014 12:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-056
Collection Date: 4/14/2014 03:07 PM

Work Order: 1404759
Lab ID: 1404759-56
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		7.0	36	µg/Kg-dry	1	4/26/2014 12:38
Bromomethane	U		14	89	µg/Kg-dry	1	4/26/2014 12:38
Carbon disulfide	U		18	36	µg/Kg-dry	1	4/26/2014 12:38
Carbon tetrachloride	U		10	36	µg/Kg-dry	1	4/26/2014 12:38
Chlorobenzene	U		15	36	µg/Kg-dry	1	4/26/2014 12:38
Chloroethane	U		76	120	µg/Kg-dry	1	4/26/2014 12:38
Chloroform	U		15	36	µg/Kg-dry	1	4/26/2014 12:38
Chloromethane	U		20	120	µg/Kg-dry	1	4/26/2014 12:38
cis-1,2-Dichloroethene	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
cis-1,3-Dichloropropene	U		12	36	µg/Kg-dry	1	4/26/2014 12:38
Cyclohexane	U		16	36	µg/Kg-dry	1	4/26/2014 12:38
Dibromochloromethane	U		6.6	36	µg/Kg-dry	1	4/26/2014 12:38
Dichlorodifluoromethane	U		16	36	µg/Kg-dry	1	4/26/2014 12:38
Ethylbenzene	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
Isopropylbenzene	U		15	36	µg/Kg-dry	1	4/26/2014 12:38
Methyl acetate	**850**		**48**	**240**	**µg/Kg-dry**	1	4/26/2014 12:38
Methyl tert-butyl ether	U		15	36	µg/Kg-dry	1	4/26/2014 12:38
Methylcyclohexane	U		17	36	µg/Kg-dry	1	4/26/2014 12:38
Methylene chloride	U		14	36	µg/Kg-dry	1	4/26/2014 12:38
Styrene	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
Tetrachloroethene	U		16	36	µg/Kg-dry	1	4/26/2014 12:38
Toluene	U		13	36	µg/Kg-dry	1	4/26/2014 12:38
trans-1,2-Dichloroethene	U		11	36	µg/Kg-dry	1	4/26/2014 12:38
trans-1,3-Dichloropropene	U		12	36	µg/Kg-dry	1	4/26/2014 12:38
Trichloroethene	U		17	36	µg/Kg-dry	1	4/26/2014 12:38
Trichlorofluoromethane	U		9.8	36	µg/Kg-dry	1	4/26/2014 12:38
Vinyl chloride	U		16	36	µg/Kg-dry	1	4/26/2014 12:38
Xylenes, Total	U		42	110	µg/Kg-dry	1	4/26/2014 12:38
Surr: 1,2-Dichloroethane-d4	*95.9*			*70-130*	*%REC*	1	4/26/2014 12:38
Surr: 4-Bromofluorobenzene	*97.8*			*70-130*	*%REC*	1	4/26/2014 12:38
Surr: Dibromofluoromethane	*97.6*			*70-130*	*%REC*	1	4/26/2014 12:38
Surr: Toluene-d8	*102*			*70-130*	*%REC*	1	4/26/2014 12:38
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**10**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-057
Collection Date: 4/14/2014 03:12 PM

Work Order: 1404759
Lab ID: 1404759-57
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		50	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1221	U		50	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1232	U		50	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1242	U		50	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1248	U		50	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1254	U		32	88	µg/Kg-dry	1	4/23/2014 17:59
Aroclor 1260	U		32	88	µg/Kg-dry	1	4/23/2014 17:59
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/23/2014 17:59
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0047**	J	**0.00084**	**0.042**	**mg/Kg-dry**	1	4/28/2014 19:16
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.075**	J	**0.0070**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Arsenic	**1.3**	J	**0.24**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Barium	**10**		**0.049**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Beryllium	**0.083**	J	**0.014**	**0.70**	**mg/Kg-dry**	5	4/26/2014 14:13
Cadmium	**0.0088**	J	**0.0070**	**0.70**	**mg/Kg-dry**	5	4/26/2014 14:13
Chromium	**5.1**		**0.29**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Cobalt	**1.1**	J	**0.0070**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Copper	**7.7**		**0.34**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Iron	**3,900**		**5.8**	**28**	**mg/Kg-dry**	5	4/26/2014 14:13
Lead	**2.4**		**0.0070**	**1.7**	**mg/Kg-dry**	5	4/26/2014 21:47
Manganese	**23**		**0.15**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Molybdenum	**0.24**	J	**0.077**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Nickel	**3.4**		**0.17**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Selenium	**0.80**	J	**0.22**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Silver	**0.011**	J	**0.0070**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Thallium	U		0.042	1.7	mg/Kg-dry	5	4/26/2014 21:47
Vanadium	**4.9**		**0.10**	**1.7**	**mg/Kg-dry**	5	4/26/2014 14:13
Zinc	**8.1**		**0.15**	**3.5**	**mg/Kg-dry**	5	4/26/2014 14:13
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	U		3.0	7.2	µg/Kg-dry	1	4/24/2014 19:23
Acenaphthene	U		1.1	7.2	µg/Kg-dry	1	4/24/2014 19:23
Acenaphthylene	U		1.3	7.2	µg/Kg-dry	1	4/24/2014 19:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-057
Collection Date: 4/14/2014 03:12 PM

Work Order: 1404759
Lab ID: 1404759-57
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Benzo(a)anthracene	U		1.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Benzo(a)pyrene	U		2.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Benzo(b)fluoranthene	U		2.1	7.2	µg/Kg-dry	1	4/24/2014 19:23
Benzo(g,h,i)perylene	U		2.8	7.2	µg/Kg-dry	1	4/24/2014 19:23
Benzo(k)fluoranthene	U		1.5	7.2	µg/Kg-dry	1	4/24/2014 19:23
Chrysene	U		1.7	7.2	µg/Kg-dry	1	4/24/2014 19:23
Dibenzo(a,h)anthracene	U		2.7	7.2	µg/Kg-dry	1	4/24/2014 19:23
Fluoranthene	U		2.5	7.2	µg/Kg-dry	1	4/24/2014 19:23
Fluorene	U		2.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Indeno(1,2,3-cd)pyrene	U		2.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Naphthalene	U		2.7	7.2	µg/Kg-dry	1	4/24/2014 19:23
Phenanthrene	U		1.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Pyrene	U		2.4	7.2	µg/Kg-dry	1	4/24/2014 19:23
Surr: 2-Fluorobiphenyl	*70.8*			*12-100*	*%REC*	1	4/24/2014 19:23
Surr: 4-Terphenyl-d14	*90.5*			*25-137*	*%REC*	1	4/24/2014 19:23
Surr: Nitrobenzene-d5	*64.8*			*37-107*	*%REC*	1	4/24/2014 19:23
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
1,1,2,2-Tetrachloroethane	U		14	33	µg/Kg-dry	1	4/26/2014 01:02
1,1,2-Trichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
1,1,2-Trichlorotrifluoroethane	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
1,1-Dichloroethane	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
1,1-Dichloroethene	U		14	33	µg/Kg-dry	1	4/26/2014 01:02
1,2,4-Trichlorobenzene	U		17	33	µg/Kg-dry	1	4/26/2014 01:02
1,2-Dibromo-3-chloropropane	U		16	33	µg/Kg-dry	1	4/26/2014 01:02
1,2-Dibromoethane	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
1,2-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
1,2-Dichloroethane	U		16	33	µg/Kg-dry	1	4/26/2014 01:02
1,2-Dichloropropane	U		11	33	µg/Kg-dry	1	4/26/2014 01:02
1,3-Dichlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
1,4-Dichlorobenzene	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
2-Butanone	U		81	220	µg/Kg-dry	1	4/26/2014 01:02
2-Hexanone	U		8.0	33	µg/Kg-dry	1	4/26/2014 01:02
4-Methyl-2-pentanone	U		11	33	µg/Kg-dry	1	4/26/2014 01:02
Acetone	U		69	110	µg/Kg-dry	1	4/26/2014 01:02
Benzene	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
Bromodichloromethane	U		7.3	33	µg/Kg-dry	1	4/26/2014 01:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-057
Collection Date: 4/14/2014 03:12 PM

Work Order: 1404759
Lab ID: 1404759-57
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	33	µg/Kg-dry	1	4/26/2014 01:02
Bromomethane	U		13	82	µg/Kg-dry	1	4/26/2014 01:02
Carbon disulfide	**73**		**16**	**33**	**µg/Kg-dry**	1	4/26/2014 01:02
Carbon tetrachloride	U		9.3	33	µg/Kg-dry	1	4/26/2014 01:02
Chlorobenzene	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
Chloroethane	U		69	110	µg/Kg-dry	1	4/26/2014 01:02
Chloroform	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 01:02
cis-1,2-Dichloroethene	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
cis-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/26/2014 01:02
Cyclohexane	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Dibromochloromethane	U		6.0	33	µg/Kg-dry	1	4/26/2014 01:02
Dichlorodifluoromethane	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Ethylbenzene	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
Isopropylbenzene	U		14	33	µg/Kg-dry	1	4/26/2014 01:02
Methyl acetate	U		44	220	µg/Kg-dry	1	4/26/2014 01:02
Methyl tert-butyl ether	U		14	33	µg/Kg-dry	1	4/26/2014 01:02
Methylcyclohexane	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Methylene chloride	U		13	33	µg/Kg-dry	1	4/26/2014 01:02
Styrene	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
Tetrachloroethene	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Toluene	U		12	33	µg/Kg-dry	1	4/26/2014 01:02
trans-1,2-Dichloroethene	U		10	33	µg/Kg-dry	1	4/26/2014 01:02
trans-1,3-Dichloropropene	U		11	33	µg/Kg-dry	1	4/26/2014 01:02
Trichloroethene	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Trichlorofluoromethane	U		9.0	33	µg/Kg-dry	1	4/26/2014 01:02
Vinyl chloride	U		15	33	µg/Kg-dry	1	4/26/2014 01:02
Xylenes, Total	U		39	98	µg/Kg-dry	1	4/26/2014 01:02
Surr: 1,2-Dichloroethane-d4	*99.8*			*70-130*	*%REC*	1	4/26/2014 01:02
Surr: 4-Bromofluorobenzene	*95.6*			*70-130*	*%REC*	1	4/26/2014 01:02
Surr: Dibromofluoromethane	*99.4*			*70-130*	*%REC*	1	4/26/2014 01:02
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	4/26/2014 01:02
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**8.2**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-058
Collection Date: 4/14/2014 03:15 PM

Work Order: 1404759
Lab ID: 1404759-58
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3550 / 4/22/14		Analyst: **JD**
BatchID: 57870							
Aroclor 1016	U		48	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1221	U		48	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1232	U		48	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1242	U		48	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1248	U		48	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1254	U		31	85	µg/Kg-dry	1	4/23/2014 18:15
Aroclor 1260	U		31	85	µg/Kg-dry	1	4/23/2014 18:15
Surr: Decachlorobiphenyl	*91.1*			*40-140*	*%REC*	1	4/23/2014 18:15
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.00080**	J	**0.00074**	**0.037**	**mg/Kg-dry**	1	4/28/2014 19:18
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/23/14		Analyst: **ML**
BatchID: 57902							
Antimony	**0.017**	J	**0.0066**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Arsenic	**0.90**	J	**0.22**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Barium	**3.6**		**0.046**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Beryllium	**0.061**	J	**0.013**	**0.66**	**mg/Kg-dry**	5	4/26/2014 14:19
Cadmium	**0.011**	J	**0.0066**	**0.66**	**mg/Kg-dry**	5	4/26/2014 14:19
Chromium	**3.5**		**0.27**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Cobalt	**1.6**	J	**0.0066**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Copper	**2.5**		**0.32**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Iron	**2,500**		**5.5**	**26**	**mg/Kg-dry**	5	4/26/2014 14:19
Lead	**1.3**	J	**0.0066**	**1.6**	**mg/Kg-dry**	5	4/26/2014 21:53
Manganese	**44**		**0.14**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Molybdenum	**0.090**	J	**0.072**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Nickel	**3.3**		**0.16**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Selenium	**0.53**	J	**0.21**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Silver	U		0.0066	1.6	mg/Kg-dry	5	4/26/2014 14:19
Thallium	U		0.039	1.6	mg/Kg-dry	5	4/26/2014 21:53
Vanadium	**4.9**		**0.099**	**1.6**	**mg/Kg-dry**	5	4/26/2014 14:19
Zinc	**6.8**		**0.14**	**3.3**	**mg/Kg-dry**	5	4/26/2014 14:19
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	U		2.8	6.8	µg/Kg-dry	1	4/24/2014 19:43
Acenaphthene	U		1.0	6.8	µg/Kg-dry	1	4/24/2014 19:43
Acenaphthylene	U		1.2	6.8	µg/Kg-dry	1	4/24/2014 19:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-058
Collection Date: 4/14/2014 03:15 PM

Work Order: 1404759
Lab ID: 1404759-58
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.3	6.8	µg/Kg-dry	1	4/24/2014 19:43
Benzo(a)anthracene	U		1.3	6.8	µg/Kg-dry	1	4/24/2014 19:43
Benzo(a)pyrene	U		2.2	6.8	µg/Kg-dry	1	4/24/2014 19:43
Benzo(b)fluoranthene	U		2.0	6.8	µg/Kg-dry	1	4/24/2014 19:43
Benzo(g,h,i)perylene	U		2.7	6.8	µg/Kg-dry	1	4/24/2014 19:43
Benzo(k)fluoranthene	U		1.4	6.8	µg/Kg-dry	1	4/24/2014 19:43
Chrysene	U		1.6	6.8	µg/Kg-dry	1	4/24/2014 19:43
Dibenzo(a,h)anthracene	U		2.5	6.8	µg/Kg-dry	1	4/24/2014 19:43
Fluoranthene	U		2.4	6.8	µg/Kg-dry	1	4/24/2014 19:43
Fluorene	U		2.3	6.8	µg/Kg-dry	1	4/24/2014 19:43
Indeno(1,2,3-cd)pyrene	U		2.3	6.8	µg/Kg-dry	1	4/24/2014 19:43
Naphthalene	U		2.5	6.8	µg/Kg-dry	1	4/24/2014 19:43
Phenanthrene	U		1.4	6.8	µg/Kg-dry	1	4/24/2014 19:43
Pyrene	U		2.3	6.8	µg/Kg-dry	1	4/24/2014 19:43
Surr: 2-Fluorobiphenyl	*72.6*			*12-100*	*%REC*	1	4/24/2014 19:43
Surr: 4-Terphenyl-d14	*90.3*			*25-137*	*%REC*	1	4/24/2014 19:43
Surr: Nitrobenzene-d5	*67.9*			*37-107*	*%REC*	1	4/24/2014 19:43
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/26/2014 05:53
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
1,1-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
1,2,4-Trichlorobenzene	U		16	32	µg/Kg-dry	1	4/26/2014 05:53
1,2-Dibromo-3-chloropropane	U		15	32	µg/Kg-dry	1	4/26/2014 05:53
1,2-Dibromoethane	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/26/2014 05:53
1,2-Dichloropropane	U		10	32	µg/Kg-dry	1	4/26/2014 05:53
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
2-Butanone	U		78	210	µg/Kg-dry	1	4/26/2014 05:53
2-Hexanone	U		7.7	32	µg/Kg-dry	1	4/26/2014 05:53
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/26/2014 05:53
Acetone	U		67	110	µg/Kg-dry	1	4/26/2014 05:53
Benzene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
Bromodichloromethane	U		7.1	32	µg/Kg-dry	1	4/26/2014 05:53

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-058
Collection Date: 4/14/2014 03:15 PM

Work Order: 1404759
Lab ID: 1404759-58
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.2	32	µg/Kg-dry	1	4/26/2014 05:53
Bromomethane	U		12	79	µg/Kg-dry	1	4/26/2014 05:53
Carbon disulfide	U		16	32	µg/Kg-dry	1	4/26/2014 05:53
Carbon tetrachloride	U		9.0	32	µg/Kg-dry	1	4/26/2014 05:53
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
Chloroethane	U		67	110	µg/Kg-dry	1	4/26/2014 05:53
Chloroform	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 05:53
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 05:53
Cyclohexane	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
Dibromochloromethane	U		5.8	32	µg/Kg-dry	1	4/26/2014 05:53
Dichlorodifluoromethane	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
Methyl acetate	**1,000**		**42**	**210**	**µg/Kg-dry**	1	4/26/2014 05:53
Methyl tert-butyl ether	U		13	32	µg/Kg-dry	1	4/26/2014 05:53
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 05:53
Methylene chloride	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
Styrene	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
Toluene	U		12	32	µg/Kg-dry	1	4/26/2014 05:53
trans-1,2-Dichloroethene	U		9.7	32	µg/Kg-dry	1	4/26/2014 05:53
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 05:53
Trichloroethene	U		15	32	µg/Kg-dry	1	4/26/2014 05:53
Trichlorofluoromethane	U		8.7	32	µg/Kg-dry	1	4/26/2014 05:53
Vinyl chloride	U		14	32	µg/Kg-dry	1	4/26/2014 05:53
Xylenes, Total	U		37	95	µg/Kg-dry	1	4/26/2014 05:53
Surr: 1,2-Dichloroethane-d4	*95.4*			*70-130*	*%REC*	1	4/26/2014 05:53
Surr: 4-Bromofluorobenzene	*93.9*			*70-130*	*%REC*	1	4/26/2014 05:53
Surr: Dibromofluoromethane	*97.4*			*70-130*	*%REC*	1	4/26/2014 05:53
Surr: Toluene-d8	*99.9*			*70-130*	*%REC*	1	4/26/2014 05:53
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**4.9**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-059
Collection Date: 4/14/2014 03:30 PM

Work Order: 1404759
Lab ID: 1404759-59
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/25/2014 09:02
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/25/2014 09:02
Surr: Decachlorobiphenyl	*113*			*40-140*	*%REC*	1	4/25/2014 09:02
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.038**	J	**0.00083**	**0.041**	**mg/Kg-dry**	1	4/28/2014 19:21
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**1.6**	J	**0.0094**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Arsenic	**16**		**0.32**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Barium	**49**		**0.066**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Beryllium	**1.5**		**0.019**	**0.94**	**mg/Kg-dry**	5	4/26/2014 22:28
Cadmium	**2.5**		**0.0094**	**0.94**	**mg/Kg-dry**	5	4/26/2014 22:28
Chromium	**11**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Cobalt	**4.4**		**0.0094**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Copper	**26**		**0.46**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Iron	**30,000**		**7.8**	**37**	**mg/Kg-dry**	5	4/26/2014 22:28
Lead	**27**		**0.0094**	**2.3**	**mg/Kg-dry**	5	4/27/2014 15:06
Manganese	**99**		**0.21**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Molybdenum	**4.4**		**0.10**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Nickel	**12**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Selenium	**2.0**	J	**0.30**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Silver	**0.044**	J	**0.0094**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Thallium	**0.69**	J	**0.056**	**2.3**	**mg/Kg-dry**	5	4/27/2014 15:06
Vanadium	**23**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:28
Zinc	**83**		**0.20**	**4.7**	**mg/Kg-dry**	5	4/26/2014 22:28
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	**610**		**34**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Acenaphthene	U		12	81	µg/Kg-dry	10	4/23/2014 10:53
Acenaphthylene	**300**		**15**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-059
Collection Date: 4/14/2014 03:30 PM

Work Order: 1404759
Lab ID: 1404759-59
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**240**		**16**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Benzo(a)anthracene	**870**		**16**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Benzo(a)pyrene	**1,100**		**26**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Benzo(b)fluoranthene	**2,100**		**24**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Benzo(g,h,i)perylene	**640**		**32**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Benzo(k)fluoranthene	**700**		**17**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Chrysene	**1,200**		**19**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Dibenzo(a,h)anthracene	**430**		**30**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Fluoranthene	**770**		**28**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Fluorene	U		27	81	µg/Kg-dry	10	4/23/2014 10:53
Indeno(1,2,3-cd)pyrene	**670**		**27**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Naphthalene	**610**		**30**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Phenanthrene	**1,600**		**16**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Pyrene	**750**		**27**	**81**	**µg/Kg-dry**	10	4/23/2014 10:53
Surr: 2-Fluorobiphenyl	*72.4*			*12-100*	*%REC*	10	4/23/2014 10:53
Surr: 4-Terphenyl-d14	*84.2*			*25-137*	*%REC*	10	4/23/2014 10:53
Surr: Nitrobenzene-d5	*48.0*			*37-107*	*%REC*	10	4/23/2014 10:53
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57925							
1,1,1-Trichloroethane	U		22	59	µg/Kg-dry	1	4/26/2014 01:26
1,1,2,2-Tetrachloroethane	U		26	59	µg/Kg-dry	1	4/26/2014 01:26
1,1,2-Trichloroethane	U		21	59	µg/Kg-dry	1	4/26/2014 01:26
1,1,2-Trichlorotrifluoroethane	U		22	59	µg/Kg-dry	1	4/26/2014 01:26
1,1-Dichloroethane	U		22	59	µg/Kg-dry	1	4/26/2014 01:26
1,1-Dichloroethene	U		25	59	µg/Kg-dry	1	4/26/2014 01:26
1,2,4-Trichlorobenzene	U		31	59	µg/Kg-dry	1	4/26/2014 01:26
1,2-Dibromo-3-chloropropane	U		29	59	µg/Kg-dry	1	4/26/2014 01:26
1,2-Dibromoethane	U		23	59	µg/Kg-dry	1	4/26/2014 01:26
1,2-Dichlorobenzene	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
1,2-Dichloroethane	U		28	59	µg/Kg-dry	1	4/26/2014 01:26
1,2-Dichloropropane	U		20	59	µg/Kg-dry	1	4/26/2014 01:26
1,3-Dichlorobenzene	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
1,4-Dichlorobenzene	U		23	59	µg/Kg-dry	1	4/26/2014 01:26
2-Butanone	U		150	390	µg/Kg-dry	1	4/26/2014 01:26
2-Hexanone	U		14	59	µg/Kg-dry	1	4/26/2014 01:26
4-Methyl-2-pentanone	U		20	59	µg/Kg-dry	1	4/26/2014 01:26
Acetone	U		120	200	µg/Kg-dry	1	4/26/2014 01:26
Benzene	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
Bromodichloromethane	U		13	59	µg/Kg-dry	1	4/26/2014 01:26

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-059
Collection Date: 4/14/2014 03:30 PM

Work Order: 1404759
Lab ID: 1404759-59
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		12	59	µg/Kg-dry	1	4/26/2014 01:26
Bromomethane	U		23	150	µg/Kg-dry	1	4/26/2014 01:26
Carbon disulfide	**120**		**29**	**59**	**µg/Kg-dry**	1	4/26/2014 01:26
Carbon tetrachloride	U		17	59	µg/Kg-dry	1	4/26/2014 01:26
Chlorobenzene	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
Chloroethane	U		130	200	µg/Kg-dry	1	4/26/2014 01:26
Chloroform	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
Chloromethane	U		33	200	µg/Kg-dry	1	4/26/2014 01:26
cis-1,2-Dichloroethene	U		24	59	µg/Kg-dry	1	4/26/2014 01:26
cis-1,3-Dichloropropene	U		20	59	µg/Kg-dry	1	4/26/2014 01:26
Cyclohexane	U		26	59	µg/Kg-dry	1	4/26/2014 01:26
Dibromochloromethane	U		11	59	µg/Kg-dry	1	4/26/2014 01:26
Dichlorodifluoromethane	U		27	59	µg/Kg-dry	1	4/26/2014 01:26
Ethylbenzene	U		22	59	µg/Kg-dry	1	4/26/2014 01:26
Isopropylbenzene	U		25	59	µg/Kg-dry	1	4/26/2014 01:26
Methyl acetate	**2,400**		**79**	**390**	**µg/Kg-dry**	1	4/26/2014 01:26
Methyl tert-butyl ether	U		25	59	µg/Kg-dry	1	4/26/2014 01:26
Methylcyclohexane	**860**		**27**	**59**	**µg/Kg-dry**	1	4/26/2014 01:26
Methylene chloride	U		23	59	µg/Kg-dry	1	4/26/2014 01:26
Styrene	U		22	59	µg/Kg-dry	1	4/26/2014 01:26
Tetrachloroethene	U		26	59	µg/Kg-dry	1	4/26/2014 01:26
Toluene	**81**		**22**	**59**	**µg/Kg-dry**	1	4/26/2014 01:26
trans-1,2-Dichloroethene	U		18	59	µg/Kg-dry	1	4/26/2014 01:26
trans-1,3-Dichloropropene	U		20	59	µg/Kg-dry	1	4/26/2014 01:26
Trichloroethene	U		28	59	µg/Kg-dry	1	4/26/2014 01:26
Trichlorofluoromethane	U		16	59	µg/Kg-dry	1	4/26/2014 01:26
Vinyl chloride	U		27	59	µg/Kg-dry	1	4/26/2014 01:26
Xylenes, Total	**240**		**70**	**180**	**µg/Kg-dry**	1	4/26/2014 01:26
Surr: 1,2-Dichloroethane-d4	*99.0*			*70-130*	*%REC*	1	4/26/2014 01:26
Surr: 4-Bromofluorobenzene	*95.0*			*70-130*	*%REC*	1	4/26/2014 01:26
Surr: Dibromofluoromethane	*97.8*			*70-130*	*%REC*	1	4/26/2014 01:26
Surr: Toluene-d8	*98.4*			*70-130*	*%REC*	1	4/26/2014 01:26
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**18**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-060
Collection Date: 4/14/2014 03:32 PM

Work Order: 1404759
Lab ID: 1404759-60
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		53	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1221	U		53	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1232	U		53	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1242	U		53	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1248	U		53	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1254	U		34	93	µg/Kg-dry	1	4/25/2014 09:50
Aroclor 1260	U		34	93	µg/Kg-dry	1	4/25/2014 09:50
Surr: Decachlorobiphenyl	*107*			*40-140*	*%REC*	1	4/25/2014 09:50
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.015**	J	**0.00090**	**0.045**	**mg/Kg-dry**	1	4/28/2014 19:40
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.96**	J	**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Arsenic	**9.5**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Barium	**26**		**0.064**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Beryllium	**0.34**	J	**0.018**	**0.92**	**mg/Kg-dry**	5	4/26/2014 22:51
Cadmium	**0.19**	J	**0.0092**	**0.92**	**mg/Kg-dry**	5	4/26/2014 22:51
Chromium	**3.9**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Cobalt	**3.4**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Copper	**21**		**0.45**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Iron	**24,000**		**7.6**	**37**	**mg/Kg-dry**	5	4/26/2014 22:51
Lead	**15**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/27/2014 15:30
Manganese	**34**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Molybdenum	**1.6**	J	**0.10**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Nickel	**6.1**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Selenium	**0.90**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Silver	**0.076**	J	**0.0092**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Thallium	**0.20**	J	**0.055**	**2.3**	**mg/Kg-dry**	5	4/27/2014 15:30
Vanadium	**7.7**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/26/2014 22:51
Zinc	**6.3**		**0.19**	**4.6**	**mg/Kg-dry**	5	4/26/2014 22:51
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**2,100**		**3.2**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Acenaphthene	U		1.1	7.6	µg/Kg-dry	1	4/24/2014 16:20
Acenaphthylene	U		1.4	7.6	µg/Kg-dry	1	4/24/2014 16:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-060
Collection Date: 4/14/2014 03:32 PM

Work Order: 1404759
Lab ID: 1404759-60
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**110**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Benzo(a)anthracene	**240**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Benzo(a)pyrene	**240**		**2.5**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Benzo(b)fluoranthene	**370**		**2.2**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Benzo(g,h,i)perylene	**140**		**3.0**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Benzo(k)fluoranthene	**140**		**1.6**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Chrysene	**400**		**1.8**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Dibenzo(a,h)anthracene	**56**		**2.8**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Fluoranthene	**240**		**2.7**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Fluorene	U		2.6	7.6	µg/Kg-dry	1	4/24/2014 16:20
Indeno(1,2,3-cd)pyrene	**170**		**2.5**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Naphthalene	**1,600**		**2.8**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Phenanthrene	**1,000**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Pyrene	**210**		**2.6**	**7.6**	**µg/Kg-dry**	1	4/24/2014 16:20
Surr: 2-Fluorobiphenyl	*72.5*			*12-100*	*%REC*	1	4/24/2014 16:20
Surr: 4-Terphenyl-d14	*88.6*			*25-137*	*%REC*	1	4/24/2014 16:20
Surr: Nitrobenzene-d5	*64.2*			*37-107*	*%REC*	1	4/24/2014 16:20
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		18	48	µg/Kg-dry	1	4/26/2014 06:17
1,1,2,2-Tetrachloroethane	U		21	48	µg/Kg-dry	1	4/26/2014 06:17
1,1,2-Trichloroethane	U		17	48	µg/Kg-dry	1	4/26/2014 06:17
1,1,2-Trichlorotrifluoroethane	U		18	48	µg/Kg-dry	1	4/26/2014 06:17
1,1-Dichloroethane	U		18	48	µg/Kg-dry	1	4/26/2014 06:17
1,1-Dichloroethene	U		20	48	µg/Kg-dry	1	4/26/2014 06:17
1,2,4-Trichlorobenzene	U		25	48	µg/Kg-dry	1	4/26/2014 06:17
1,2-Dibromo-3-chloropropane	U		24	48	µg/Kg-dry	1	4/26/2014 06:17
1,2-Dibromoethane	U		19	48	µg/Kg-dry	1	4/26/2014 06:17
1,2-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/26/2014 06:17
1,2-Dichloroethane	U		23	48	µg/Kg-dry	1	4/26/2014 06:17
1,2-Dichloropropane	U		16	48	µg/Kg-dry	1	4/26/2014 06:17
1,3-Dichlorobenzene	U		19	48	µg/Kg-dry	1	4/26/2014 06:17
1,4-Dichlorobenzene	U		18	48	µg/Kg-dry	1	4/26/2014 06:17
2-Butanone	U		120	320	µg/Kg-dry	1	4/26/2014 06:17
2-Hexanone	U		12	48	µg/Kg-dry	1	4/26/2014 06:17
4-Methyl-2-pentanone	U		16	48	µg/Kg-dry	1	4/26/2014 06:17
Acetone	U		100	160	µg/Kg-dry	1	4/26/2014 06:17
Benzene	**1,200**		**19**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Bromodichloromethane	U		11	48	µg/Kg-dry	1	4/26/2014 06:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-060
Collection Date: 4/14/2014 03:32 PM

Work Order: 1404759
Lab ID: 1404759-60
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		9.5	48	µg/Kg-dry	1	4/26/2014 06:17
Bromomethane	U		19	120	µg/Kg-dry	1	4/26/2014 06:17
Carbon disulfide	**140**		**24**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Carbon tetrachloride	U		14	48	µg/Kg-dry	1	4/26/2014 06:17
Chlorobenzene	U		20	48	µg/Kg-dry	1	4/26/2014 06:17
Chloroethane	U		100	160	µg/Kg-dry	1	4/26/2014 06:17
Chloroform	U		20	48	µg/Kg-dry	1	4/26/2014 06:17
Chloromethane	U		27	160	µg/Kg-dry	1	4/26/2014 06:17
cis-1,2-Dichloroethene	U		20	48	µg/Kg-dry	1	4/26/2014 06:17
cis-1,3-Dichloropropene	U		17	48	µg/Kg-dry	1	4/26/2014 06:17
Cyclohexane	**1,100**		**22**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Dibromochloromethane	U		9.0	48	µg/Kg-dry	1	4/26/2014 06:17
Dichlorodifluoromethane	U		22	48	µg/Kg-dry	1	4/26/2014 06:17
Ethylbenzene	**1,200**		**18**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Isopropylbenzene	**770**		**21**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Methyl acetate	**380**		**65**	**320**	**µg/Kg-dry**	1	4/26/2014 06:17
Methyl tert-butyl ether	U		21	48	µg/Kg-dry	1	4/26/2014 06:17
Methylcyclohexane	**3,800**		**22**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
Methylene chloride	U		19	48	µg/Kg-dry	1	4/26/2014 06:17
Styrene	U		18	48	µg/Kg-dry	1	4/26/2014 06:17
Tetrachloroethene	U		22	48	µg/Kg-dry	1	4/26/2014 06:17
Toluene	**5,200**		**18**	**48**	**µg/Kg-dry**	1	4/26/2014 06:17
trans-1,2-Dichloroethene	U		15	48	µg/Kg-dry	1	4/26/2014 06:17
trans-1,3-Dichloropropene	U		16	48	µg/Kg-dry	1	4/26/2014 06:17
Trichloroethene	U		23	48	µg/Kg-dry	1	4/26/2014 06:17
Trichlorofluoromethane	U		13	48	µg/Kg-dry	1	4/26/2014 06:17
Vinyl chloride	U		22	48	µg/Kg-dry	1	4/26/2014 06:17
Xylenes, Total	**6,000**		**57**	**150**	**µg/Kg-dry**	1	4/26/2014 06:17
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-130*	*%REC*	1	4/26/2014 06:17
Surr: 4-Bromofluorobenzene	*96.5*			*70-130*	*%REC*	1	4/26/2014 06:17
Surr: Dibromofluoromethane	*96.4*			*70-130*	*%REC*	1	4/26/2014 06:17
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/26/2014 06:17
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**14**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-061
Collection Date: 4/14/2014 03:35 PM

Work Order: 1404759
Lab ID: 1404759-61
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		54	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1221	U		54	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1232	U		54	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1242	U		54	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1248	U		54	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1254	U		35	94	µg/Kg-dry	1	4/25/2014 10:06
Aroclor 1260	U		35	94	µg/Kg-dry	1	4/25/2014 10:06
Surr: Decachlorobiphenyl	*111*			*40-140*	*%REC*	1	4/25/2014 10:06
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.025**	J	**0.00076**	**0.038**	**mg/Kg-dry**	1	4/28/2014 19:42
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.22**	J	**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Arsenic	**2.6**		**0.26**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Barium	**21**		**0.053**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Beryllium	**0.20**	J	**0.015**	**0.76**	**mg/Kg-dry**	5	4/26/2014 22:57
Cadmium	**0.19**	J	**0.0076**	**0.76**	**mg/Kg-dry**	5	4/26/2014 22:57
Chromium	**5.1**		**0.31**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Cobalt	**1.9**		**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Copper	**9.9**		**0.37**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Iron	**5,600**		**6.3**	**30**	**mg/Kg-dry**	5	4/26/2014 22:57
Lead	**4.9**		**0.0076**	**1.9**	**mg/Kg-dry**	5	4/27/2014 15:35
Manganese	**100**		**0.17**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Molybdenum	**0.31**	J	**0.083**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Nickel	**4.8**		**0.19**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Selenium	**2.0**		**0.24**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Silver	**0.014**	J	**0.0076**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Thallium	U		0.045	1.9	mg/Kg-dry	5	4/27/2014 15:35
Vanadium	**14**		**0.11**	**1.9**	**mg/Kg-dry**	5	4/26/2014 22:57
Zinc	**9.3**		**0.16**	**3.8**	**mg/Kg-dry**	5	4/26/2014 22:57
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	U		3.2	7.6	µg/Kg-dry	1	4/23/2014 18:00
Acenaphthene	U		1.1	7.6	µg/Kg-dry	1	4/23/2014 18:00
Acenaphthylene	U		1.4	7.6	µg/Kg-dry	1	4/23/2014 18:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-061
Collection Date: 4/14/2014 03:35 PM

Work Order: 1404759
Lab ID: 1404759-61
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.5	7.6	µg/Kg-dry	1	4/23/2014 18:00
Benzo(a)anthracene	**21**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/23/2014 18:00
Benzo(a)pyrene	U		2.5	7.6	µg/Kg-dry	1	4/23/2014 18:00
Benzo(b)fluoranthene	U		2.2	7.6	µg/Kg-dry	1	4/23/2014 18:00
Benzo(g,h,i)perylene	U		3.0	7.6	µg/Kg-dry	1	4/23/2014 18:00
Benzo(k)fluoranthene	U		1.6	7.6	µg/Kg-dry	1	4/23/2014 18:00
Chrysene	U		1.8	7.6	µg/Kg-dry	1	4/23/2014 18:00
Dibenzo(a,h)anthracene	U		2.8	7.6	µg/Kg-dry	1	4/23/2014 18:00
Fluoranthene	U		2.7	7.6	µg/Kg-dry	1	4/23/2014 18:00
Fluorene	U		2.6	7.6	µg/Kg-dry	1	4/23/2014 18:00
Indeno(1,2,3-cd)pyrene	U		2.5	7.6	µg/Kg-dry	1	4/23/2014 18:00
Naphthalene	U		2.8	7.6	µg/Kg-dry	1	4/23/2014 18:00
Phenanthrene	**39**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/23/2014 18:00
Pyrene	U		2.6	7.6	µg/Kg-dry	1	4/23/2014 18:00
Surr: 2-Fluorobiphenyl	*68.2*			*12-100*	*%REC*	1	4/23/2014 18:00
Surr: 4-Terphenyl-d14	*102*			*25-137*	*%REC*	1	4/23/2014 18:00
Surr: Nitrobenzene-d5	*51.9*			*37-107*	*%REC*	1	4/23/2014 18:00
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
1,1,2,2-Tetrachloroethane	U		16	37	µg/Kg-dry	1	4/26/2014 06:42
1,1,2-Trichloroethane	U		13	37	µg/Kg-dry	1	4/26/2014 06:42
1,1,2-Trichlorotrifluoroethane	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
1,1-Dichloroethane	U		13	37	µg/Kg-dry	1	4/26/2014 06:42
1,1-Dichloroethene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
1,2,4-Trichlorobenzene	U		19	37	µg/Kg-dry	1	4/26/2014 06:42
1,2-Dibromo-3-chloropropane	U		18	37	µg/Kg-dry	1	4/26/2014 06:42
1,2-Dibromoethane	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
1,2-Dichlorobenzene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
1,2-Dichloroethane	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
1,2-Dichloropropane	U		12	37	µg/Kg-dry	1	4/26/2014 06:42
1,3-Dichlorobenzene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
1,4-Dichlorobenzene	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
2-Butanone	U		91	250	µg/Kg-dry	1	4/26/2014 06:42
2-Hexanone	U		9.0	37	µg/Kg-dry	1	4/26/2014 06:42
4-Methyl-2-pentanone	U		12	37	µg/Kg-dry	1	4/26/2014 06:42
Acetone	U		78	120	µg/Kg-dry	1	4/26/2014 06:42
Benzene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
Bromodichloromethane	U		8.3	37	µg/Kg-dry	1	4/26/2014 06:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-061
Collection Date: 4/14/2014 03:35 PM

Work Order: 1404759
Lab ID: 1404759-61
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		7.3	37	µg/Kg-dry	1	4/26/2014 06:42
Bromomethane	U		14	92	µg/Kg-dry	1	4/26/2014 06:42
Carbon disulfide	U		18	37	µg/Kg-dry	1	4/26/2014 06:42
Carbon tetrachloride	U		10	37	µg/Kg-dry	1	4/26/2014 06:42
Chlorobenzene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
Chloroethane	U		78	120	µg/Kg-dry	1	4/26/2014 06:42
Chloroform	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
Chloromethane	U		21	120	µg/Kg-dry	1	4/26/2014 06:42
cis-1,2-Dichloroethene	U		15	37	µg/Kg-dry	1	4/26/2014 06:42
cis-1,3-Dichloropropene	U		13	37	µg/Kg-dry	1	4/26/2014 06:42
Cyclohexane	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
Dibromochloromethane	U		6.8	37	µg/Kg-dry	1	4/26/2014 06:42
Dichlorodifluoromethane	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
Ethylbenzene	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
Isopropylbenzene	U		16	37	µg/Kg-dry	1	4/26/2014 06:42
Methyl acetate	U		49	250	µg/Kg-dry	1	4/26/2014 06:42
Methyl tert-butyl ether	U		16	37	µg/Kg-dry	1	4/26/2014 06:42
Methylcyclohexane	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
Methylene chloride	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
Styrene	U		14	37	µg/Kg-dry	1	4/26/2014 06:42
Tetrachloroethene	U		16	37	µg/Kg-dry	1	4/26/2014 06:42
Toluene	**44**		**14**	**37**	**µg/Kg-dry**	1	4/26/2014 06:42
trans-1,2-Dichloroethene	U		11	37	µg/Kg-dry	1	4/26/2014 06:42
trans-1,3-Dichloropropene	U		12	37	µg/Kg-dry	1	4/26/2014 06:42
Trichloroethene	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
Trichlorofluoromethane	U		10	37	µg/Kg-dry	1	4/26/2014 06:42
Vinyl chloride	U		17	37	µg/Kg-dry	1	4/26/2014 06:42
Xylenes, Total	**47**	J	**44**	**110**	**µg/Kg-dry**	1	4/26/2014 06:42
Surr: 1,2-Dichloroethane-d4	*97.8*			*70-130*	*%REC*	1	4/26/2014 06:42
Surr: 4-Bromofluorobenzene	*95.4*			*70-130*	*%REC*	1	4/26/2014 06:42
Surr: Dibromofluoromethane	*96.8*			*70-130*	*%REC*	1	4/26/2014 06:42
Surr: Toluene-d8	*98.8*			*70-130*	*%REC*	1	4/26/2014 06:42
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**14**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-062
Collection Date: 4/14/2014 03:37 PM

Work Order: 1404759
Lab ID: 1404759-62
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		50	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1221	U		50	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1232	U		50	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1242	U		50	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1248	U		50	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1254	U		32	87	µg/Kg-dry	1	4/25/2014 10:23
Aroclor 1260	U		32	87	µg/Kg-dry	1	4/25/2014 10:23
Surr: Decachlorobiphenyl	*113*			*40-140*	*%REC*	1	4/25/2014 10:23
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0011**	J	**0.00088**	**0.044**	**mg/Kg-dry**	1	4/28/2014 19:44
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.077**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Arsenic	**1.4**	J	**0.27**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Barium	**20**		**0.056**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Beryllium	**0.10**	J	**0.016**	**0.80**	**mg/Kg-dry**	5	4/26/2014 23:03
Cadmium	**0.030**	J	**0.0080**	**0.80**	**mg/Kg-dry**	5	4/26/2014 23:03
Chromium	**6.1**		**0.33**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Cobalt	**1.5**	J	**0.0080**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Copper	**5.6**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Iron	**5,400**		**6.7**	**32**	**mg/Kg-dry**	5	4/26/2014 23:03
Lead	**2.1**		**0.0080**	**2.0**	**mg/Kg-dry**	5	4/27/2014 15:41
Manganese	**26**		**0.18**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Molybdenum	**0.51**	J	**0.088**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Nickel	**4.1**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Selenium	**0.62**	J	**0.26**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Silver	U		0.0080	2.0	mg/Kg-dry	5	4/26/2014 23:03
Thallium	U		0.048	2.0	mg/Kg-dry	5	4/27/2014 15:41
Vanadium	**6.3**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/26/2014 23:03
Zinc	**9.4**		**0.17**	**4.0**	**mg/Kg-dry**	5	4/26/2014 23:03
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	U		2.9	7.1	µg/Kg-dry	1	4/23/2014 18:22
Acenaphthene	U		1.1	7.1	µg/Kg-dry	1	4/23/2014 18:22
Acenaphthylene	U		1.3	7.1	µg/Kg-dry	1	4/23/2014 18:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-062
Collection Date: 4/14/2014 03:37 PM

Work Order: 1404759
Lab ID: 1404759-62
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.1	µg/Kg-dry	1	4/23/2014 18:22
Benzo(a)anthracene	**18**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/23/2014 18:22
Benzo(a)pyrene	U		2.3	7.1	µg/Kg-dry	1	4/23/2014 18:22
Benzo(b)fluoranthene	U		2.1	7.1	µg/Kg-dry	1	4/23/2014 18:22
Benzo(g,h,i)perylene	U		2.8	7.1	µg/Kg-dry	1	4/23/2014 18:22
Benzo(k)fluoranthene	U		1.5	7.1	µg/Kg-dry	1	4/23/2014 18:22
Chrysene	U		1.7	7.1	µg/Kg-dry	1	4/23/2014 18:22
Dibenzo(a,h)anthracene	U		2.6	7.1	µg/Kg-dry	1	4/23/2014 18:22
Fluoranthene	U		2.5	7.1	µg/Kg-dry	1	4/23/2014 18:22
Fluorene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 18:22
Indeno(1,2,3-cd)pyrene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 18:22
Naphthalene	U		2.6	7.1	µg/Kg-dry	1	4/23/2014 18:22
Phenanthrene	**32**		**1.4**	**7.1**	**µg/Kg-dry**	1	4/23/2014 18:22
Pyrene	U		2.4	7.1	µg/Kg-dry	1	4/23/2014 18:22
Surr: 2-Fluorobiphenyl	*73.7*			*12-100*	*%REC*	1	4/23/2014 18:22
Surr: 4-Terphenyl-d14	*109*			*25-137*	*%REC*	1	4/23/2014 18:22
Surr: Nitrobenzene-d5	*57.5*			*37-107*	*%REC*	1	4/23/2014 18:22
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/26/2014 07:06
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/26/2014 07:06
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
1,1-Dichloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 07:06
1,2,4-Trichlorobenzene	U		17	32	µg/Kg-dry	1	4/26/2014 07:06
1,2-Dibromo-3-chloropropane	U		16	32	µg/Kg-dry	1	4/26/2014 07:06
1,2-Dibromoethane	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
1,2-Dichloropropane	U		11	32	µg/Kg-dry	1	4/26/2014 07:06
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
2-Butanone	U		80	220	µg/Kg-dry	1	4/26/2014 07:06
2-Hexanone	U		8.0	32	µg/Kg-dry	1	4/26/2014 07:06
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/26/2014 07:06
Acetone	U		69	110	µg/Kg-dry	1	4/26/2014 07:06
Benzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
Bromodichloromethane	U		7.3	32	µg/Kg-dry	1	4/26/2014 07:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-062
Collection Date: 4/14/2014 03:37 PM

Work Order: 1404759
Lab ID: 1404759-62
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.4	32	µg/Kg-dry	1	4/26/2014 07:06
Bromomethane	U		12	81	µg/Kg-dry	1	4/26/2014 07:06
Carbon disulfide	U		16	32	µg/Kg-dry	1	4/26/2014 07:06
Carbon tetrachloride	U		9.2	32	µg/Kg-dry	1	4/26/2014 07:06
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
Chloroethane	U		69	110	µg/Kg-dry	1	4/26/2014 07:06
Chloroform	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 07:06
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 07:06
Cyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
Dibromochloromethane	U		6.0	32	µg/Kg-dry	1	4/26/2014 07:06
Dichlorodifluoromethane	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/26/2014 07:06
Methyl acetate	**1,000**		**44**	**220**	**µg/Kg-dry**	1	4/26/2014 07:06
Methyl tert-butyl ether	U		14	32	µg/Kg-dry	1	4/26/2014 07:06
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
Methylene chloride	U		13	32	µg/Kg-dry	1	4/26/2014 07:06
Styrene	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 07:06
Toluene	U		12	32	µg/Kg-dry	1	4/26/2014 07:06
trans-1,2-Dichloroethene	U		10	32	µg/Kg-dry	1	4/26/2014 07:06
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 07:06
Trichloroethene	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
Trichlorofluoromethane	U		8.9	32	µg/Kg-dry	1	4/26/2014 07:06
Vinyl chloride	U		15	32	µg/Kg-dry	1	4/26/2014 07:06
Xylenes, Total	U		38	97	µg/Kg-dry	1	4/26/2014 07:06
Surr: 1,2-Dichloroethane-d4	*97.8*			*70-130*	*%REC*	1	4/26/2014 07:06
Surr: 4-Bromofluorobenzene	*95.0*			*70-130*	*%REC*	1	4/26/2014 07:06
Surr: Dibromofluoromethane	*98.0*			*70-130*	*%REC*	1	4/26/2014 07:06
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/26/2014 07:06
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**7.7**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-063
Collection Date: 4/14/2014 03:40 PM

Work Order: 1404759
Lab ID: 1404759-63
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		49	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1221	U		49	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1232	U		49	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1242	U		49	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1248	U		49	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1254	U		32	87	µg/Kg-dry	1	4/25/2014 10:39
Aroclor 1260	U		32	87	µg/Kg-dry	1	4/25/2014 10:39
Surr: Decachlorobiphenyl	*115*			*40-140*	*%REC*	1	4/25/2014 10:39
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0012**	J	**0.00066**	**0.033**	**mg/Kg-dry**	1	4/28/2014 19:46
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.034**	J	**0.0073**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Arsenic	**3.2**		**0.25**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Barium	**4.9**		**0.051**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Beryllium	**0.054**	J	**0.015**	**0.73**	**mg/Kg-dry**	5	4/26/2014 23:09
Cadmium	**0.015**	J	**0.0073**	**0.73**	**mg/Kg-dry**	5	4/26/2014 23:09
Chromium	**3.7**		**0.30**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Cobalt	**1.3**	J	**0.0073**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Copper	**3.4**		**0.36**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Iron	**2,900**		**6.0**	**29**	**mg/Kg-dry**	5	4/26/2014 23:09
Lead	**1.1**	J	**0.0073**	**1.8**	**mg/Kg-dry**	5	4/27/2014 15:47
Manganese	**48**		**0.16**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Molybdenum	**0.35**	J	**0.080**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Nickel	**3.2**		**0.18**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Selenium	**0.33**	J	**0.23**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Silver	U		0.0073	1.8	mg/Kg-dry	5	4/26/2014 23:09
Thallium	U		0.044	1.8	mg/Kg-dry	5	4/27/2014 15:47
Vanadium	**4.5**		**0.11**	**1.8**	**mg/Kg-dry**	5	4/26/2014 23:09
Zinc	**5.4**		**0.15**	**3.6**	**mg/Kg-dry**	5	4/26/2014 23:09
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	U		2.8	6.9	µg/Kg-dry	1	4/23/2014 18:44
Acenaphthene	U		1.0	6.9	µg/Kg-dry	1	4/23/2014 18:44
Acenaphthylene	U		1.2	6.9	µg/Kg-dry	1	4/23/2014 18:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-063
Collection Date: 4/14/2014 03:40 PM

Work Order: 1404759
Lab ID: 1404759-63
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.3	6.9	µg/Kg-dry	1	4/23/2014 18:44
Benzo(a)anthracene	**23**		**1.3**	**6.9**	**µg/Kg-dry**	1	4/23/2014 18:44
Benzo(a)pyrene	U		2.2	6.9	µg/Kg-dry	1	4/23/2014 18:44
Benzo(b)fluoranthene	U		2.0	6.9	µg/Kg-dry	1	4/23/2014 18:44
Benzo(g,h,i)perylene	U		2.7	6.9	µg/Kg-dry	1	4/23/2014 18:44
Benzo(k)fluoranthene	U		1.4	6.9	µg/Kg-dry	1	4/23/2014 18:44
Chrysene	U		1.6	6.9	µg/Kg-dry	1	4/23/2014 18:44
Dibenzo(a,h)anthracene	U		2.6	6.9	µg/Kg-dry	1	4/23/2014 18:44
Fluoranthene	U		2.4	6.9	µg/Kg-dry	1	4/23/2014 18:44
Fluorene	U		2.3	6.9	µg/Kg-dry	1	4/23/2014 18:44
Indeno(1,2,3-cd)pyrene	U		2.3	6.9	µg/Kg-dry	1	4/23/2014 18:44
Naphthalene	U		2.5	6.9	µg/Kg-dry	1	4/23/2014 18:44
Phenanthrene	U		1.4	6.9	µg/Kg-dry	1	4/23/2014 18:44
Pyrene	U		2.3	6.9	µg/Kg-dry	1	4/23/2014 18:44
Surr: 2-Fluorobiphenyl	*67.3*			*12-100*	*%REC*	1	4/23/2014 18:44
Surr: 4-Terphenyl-d14	*102*			*25-137*	*%REC*	1	4/23/2014 18:44
Surr: Nitrobenzene-d5	*57.4*			*37-107*	*%REC*	1	4/23/2014 18:44
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
1,1,2,2-Tetrachloroethane	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
1,1,2-Trichloroethane	U		11	32	µg/Kg-dry	1	4/26/2014 07:30
1,1,2-Trichlorotrifluoroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
1,1-Dichloroethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
1,1-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
1,2,4-Trichlorobenzene	U		16	32	µg/Kg-dry	1	4/26/2014 07:30
1,2-Dibromo-3-chloropropane	U		15	32	µg/Kg-dry	1	4/26/2014 07:30
1,2-Dibromoethane	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
1,2-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
1,2-Dichloroethane	U		15	32	µg/Kg-dry	1	4/26/2014 07:30
1,2-Dichloropropane	U		10	32	µg/Kg-dry	1	4/26/2014 07:30
1,3-Dichlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
1,4-Dichlorobenzene	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
2-Butanone	U		78	210	µg/Kg-dry	1	4/26/2014 07:30
2-Hexanone	U		7.8	32	µg/Kg-dry	1	4/26/2014 07:30
4-Methyl-2-pentanone	U		11	32	µg/Kg-dry	1	4/26/2014 07:30
Acetone	U		67	110	µg/Kg-dry	1	4/26/2014 07:30
Benzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
Bromodichloromethane	U		7.1	32	µg/Kg-dry	1	4/26/2014 07:30

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-063
Collection Date: 4/14/2014 03:40 PM

Work Order: 1404759
Lab ID: 1404759-63
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.2	32	µg/Kg-dry	1	4/26/2014 07:30
Bromomethane	U		12	79	µg/Kg-dry	1	4/26/2014 07:30
Carbon disulfide	**47**		**16**	**32**	**µg/Kg-dry**	1	4/26/2014 07:30
Carbon tetrachloride	U		9.0	32	µg/Kg-dry	1	4/26/2014 07:30
Chlorobenzene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
Chloroethane	U		67	110	µg/Kg-dry	1	4/26/2014 07:30
Chloroform	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
Chloromethane	U		18	110	µg/Kg-dry	1	4/26/2014 07:30
cis-1,2-Dichloroethene	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
cis-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 07:30
Cyclohexane	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
Dibromochloromethane	U		5.8	32	µg/Kg-dry	1	4/26/2014 07:30
Dichlorodifluoromethane	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
Ethylbenzene	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
Isopropylbenzene	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
Methyl acetate	U		42	210	µg/Kg-dry	1	4/26/2014 07:30
Methyl tert-butyl ether	U		13	32	µg/Kg-dry	1	4/26/2014 07:30
Methylcyclohexane	U		15	32	µg/Kg-dry	1	4/26/2014 07:30
Methylene chloride	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
Styrene	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
Tetrachloroethene	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
Toluene	U		12	32	µg/Kg-dry	1	4/26/2014 07:30
trans-1,2-Dichloroethene	U		9.7	32	µg/Kg-dry	1	4/26/2014 07:30
trans-1,3-Dichloropropene	U		11	32	µg/Kg-dry	1	4/26/2014 07:30
Trichloroethene	U		15	32	µg/Kg-dry	1	4/26/2014 07:30
Trichlorofluoromethane	U		8.7	32	µg/Kg-dry	1	4/26/2014 07:30
Vinyl chloride	U		14	32	µg/Kg-dry	1	4/26/2014 07:30
Xylenes, Total	U		37	95	µg/Kg-dry	1	4/26/2014 07:30
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-130*	*%REC*	1	4/26/2014 07:30
Surr: 4-Bromofluorobenzene	*96.0*			*70-130*	*%REC*	1	4/26/2014 07:30
Surr: Dibromofluoromethane	*97.0*			*70-130*	*%REC*	1	4/26/2014 07:30
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/26/2014 07:30
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**5.0**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-064
Collection Date: 4/14/2014 03:50 PM

Work Order: 1404759
Lab ID: 1404759-64
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/25/2014 10:55
Aroclor 1260	**120**		**36**	**99**	**µg/Kg-dry**	1	4/25/2014 10:55
Surr: Decachlorobiphenyl	*100*			*40-140*	*%REC*	1	4/25/2014 10:55
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.098**		**0.00099**	**0.050**	**mg/Kg-dry**	1	4/28/2014 19:49
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**4.8**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Arsenic	**11**		**0.30**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Barium	**67**		**0.061**	**2.2**	**mg/Kg-dry**	5	4/28/2014 08:01
Beryllium	**1.1**		**0.017**	**0.87**	**mg/Kg-dry**	5	4/28/2014 08:01
Cadmium	**1.0**		**0.0087**	**0.87**	**mg/Kg-dry**	5	4/28/2014 08:01
Chromium	**22**		**0.36**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Cobalt	**5.7**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Copper	**73**		**0.43**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Iron	**37,000**		**7.3**	**35**	**mg/Kg-dry**	5	4/27/2014 00:48
Lead	**140**		**0.0087**	**2.2**	**mg/Kg-dry**	5	4/28/2014 08:01
Manganese	**230**		**0.19**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Molybdenum	**5.2**		**0.096**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Nickel	**22**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Selenium	**1.9**	J	**0.28**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Silver	**0.081**	J	**0.0087**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Thallium	**0.41**	J	**0.052**	**2.2**	**mg/Kg-dry**	5	4/28/2014 08:01
Vanadium	**18**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:48
Zinc	**130**		**0.18**	**4.4**	**mg/Kg-dry**	5	4/27/2014 00:48
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
Acenaphthene	**160**		**1.2**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Acenaphthylene	**330**		**1.4**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Anthracene	**580**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-064
Collection Date: 4/14/2014 03:50 PM

Work Order: 1404759
Lab ID: 1404759-64
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Benzo(a)anthracene	**1,200**		**1.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Benzo(a)pyrene	**1,100**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Benzo(b)fluoranthene	**1,200**		**2.3**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Benzo(g,h,i)perylene	**670**		**3.1**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Benzo(k)fluoranthene	**1,300**		**1.7**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Chrysene	**1,300**		**1.9**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Dibenzo(a,h)anthracene	**290**		**3.0**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Fluoranthene	**2,300**		**2.8**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Fluorene	**160**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Indeno(1,2,3-cd)pyrene	**800**		**2.6**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Naphthalene	**1,700**		**2.9**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Pyrene	**1,600**		**2.7**	**7.9**	**µg/Kg-dry**	1	4/24/2014 16:41
Surr: 2-Fluorobiphenyl	*83.3*			*12-100*	*%REC*	1	4/24/2014 16:41
Surr: 4-Terphenyl-d14	*95.7*			*25-137*	*%REC*	1	4/24/2014 16:41
Surr: Nitrobenzene-d5	*78.0*			*37-107*	*%REC*	1	4/24/2014 16:41
BatchID: 57854							
2-Methylnaphthalene	**2,600**		**33**	**79**	**µg/Kg-dry**	10	4/24/2014 20:03
Phenanthrene	**3,700**		**16**	**79**	**µg/Kg-dry**	10	4/24/2014 20:03
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		21	56	µg/Kg-dry	1	4/26/2014 07:55
1,1,2,2-Tetrachloroethane	U		25	56	µg/Kg-dry	1	4/26/2014 07:55
1,1,2-Trichloroethane	U		20	56	µg/Kg-dry	1	4/26/2014 07:55
1,1,2-Trichlorotrifluoroethane	U		21	56	µg/Kg-dry	1	4/26/2014 07:55
1,1-Dichloroethane	U		21	56	µg/Kg-dry	1	4/26/2014 07:55
1,1-Dichloroethene	U		24	56	µg/Kg-dry	1	4/26/2014 07:55
1,2,4-Trichlorobenzene	U		29	56	µg/Kg-dry	1	4/26/2014 07:55
1,2-Dibromo-3-chloropropane	U		27	56	µg/Kg-dry	1	4/26/2014 07:55
1,2-Dibromoethane	U		22	56	µg/Kg-dry	1	4/26/2014 07:55
1,2-Dichlorobenzene	U		23	56	µg/Kg-dry	1	4/26/2014 07:55
1,2-Dichloroethane	U		27	56	µg/Kg-dry	1	4/26/2014 07:55
1,2-Dichloropropane	U		19	56	µg/Kg-dry	1	4/26/2014 07:55
1,3-Dichlorobenzene	U		23	56	µg/Kg-dry	1	4/26/2014 07:55
1,4-Dichlorobenzene	U		21	56	µg/Kg-dry	1	4/26/2014 07:55
2-Butanone	U		140	380	µg/Kg-dry	1	4/26/2014 07:55
2-Hexanone	U		14	56	µg/Kg-dry	1	4/26/2014 07:55
4-Methyl-2-pentanone	U		19	56	µg/Kg-dry	1	4/26/2014 07:55
Acetone	**690**		**120**	**190**	**µg/Kg-dry**	1	4/26/2014 07:55
Benzene	**650**		**23**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-064
Collection Date: 4/14/2014 03:50 PM

Work Order: 1404759
Lab ID: 1404759-64
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	U		13	56	µg/Kg-dry	1	4/26/2014 07:55
Bromoform	U		11	56	µg/Kg-dry	1	4/26/2014 07:55
Bromomethane	U		22	140	µg/Kg-dry	1	4/26/2014 07:55
Carbon disulfide	U		28	56	µg/Kg-dry	1	4/26/2014 07:55
Carbon tetrachloride	U		16	56	µg/Kg-dry	1	4/26/2014 07:55
Chlorobenzene	U		23	56	µg/Kg-dry	1	4/26/2014 07:55
Chloroethane	U		120	190	µg/Kg-dry	1	4/26/2014 07:55
Chloroform	U		23	56	µg/Kg-dry	1	4/26/2014 07:55
Chloromethane	U		31	190	µg/Kg-dry	1	4/26/2014 07:55
cis-1,2-Dichloroethene	U		23	56	µg/Kg-dry	1	4/26/2014 07:55
cis-1,3-Dichloropropene	U		19	56	µg/Kg-dry	1	4/26/2014 07:55
Cyclohexane	**1,200**		**25**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55
Dibromochloromethane	U		10	56	µg/Kg-dry	1	4/26/2014 07:55
Dichlorodifluoromethane	U		25	56	µg/Kg-dry	1	4/26/2014 07:55
Ethylbenzene	**510**		**21**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55
Isopropylbenzene	**250**		**24**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55
Methyl acetate	**730**		**76**	**380**	**µg/Kg-dry**	1	4/26/2014 07:55
Methyl tert-butyl ether	U		24	56	µg/Kg-dry	1	4/26/2014 07:55
Methylcyclohexane	**4,500**		**26**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55
Methylene chloride	U		22	56	µg/Kg-dry	1	4/26/2014 07:55
Styrene	U		21	56	µg/Kg-dry	1	4/26/2014 07:55
Tetrachloroethene	U		25	56	µg/Kg-dry	1	4/26/2014 07:55
Toluene	**3,100**		**21**	**56**	**µg/Kg-dry**	1	4/26/2014 07:55
trans-1,2-Dichloroethene	U		17	56	µg/Kg-dry	1	4/26/2014 07:55
trans-1,3-Dichloropropene	U		19	56	µg/Kg-dry	1	4/26/2014 07:55
Trichloroethene	U		26	56	µg/Kg-dry	1	4/26/2014 07:55
Trichlorofluoromethane	U		15	56	µg/Kg-dry	1	4/26/2014 07:55
Vinyl chloride	U		25	56	µg/Kg-dry	1	4/26/2014 07:55
Xylenes, Total	**3,700**		**66**	**170**	**µg/Kg-dry**	1	4/26/2014 07:55
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-130*	*%REC*	1	4/26/2014 07:55
Surr: 4-Bromofluorobenzene	*91.6*			*70-130*	*%REC*	1	4/26/2014 07:55
Surr: Dibromofluoromethane	*98.3*			*70-130*	*%REC*	1	4/26/2014 07:55
Surr: Toluene-d8	*103*			*70-130*	*%REC*	1	4/26/2014 07:55
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**18**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-065
Collection Date: 4/14/2014 03:52 PM

Work Order: 1404759
Lab ID: 1404759-65
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		54	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1221	U		54	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1232	U		54	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1242	U		54	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1248	U		54	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1254	U		35	94	µg/Kg-dry	1	4/25/2014 12:16
Aroclor 1260	U		35	94	µg/Kg-dry	1	4/25/2014 12:16
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/25/2014 12:16
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.023**	J	**0.00094**	**0.047**	**mg/Kg-dry**	1	4/28/2014 19:51
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**1.4**	J	**0.0090**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Arsenic	**7.4**		**0.31**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Barium	**39**		**0.063**	**2.2**	**mg/Kg-dry**	5	4/28/2014 09:40
Beryllium	**0.75**	J	**0.018**	**0.90**	**mg/Kg-dry**	5	4/28/2014 09:40
Cadmium	**0.61**	J	**0.0090**	**0.90**	**mg/Kg-dry**	5	4/28/2014 09:40
Chromium	**6.1**		**0.37**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Cobalt	**5.1**		**0.0090**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Copper	**26**		**0.44**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Iron	**21,000**		**7.5**	**36**	**mg/Kg-dry**	5	4/27/2014 00:54
Lead	**23**		**0.0090**	**2.2**	**mg/Kg-dry**	5	4/28/2014 09:40
Manganese	**170**		**0.20**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Molybdenum	**2.2**		**0.099**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Nickel	**14**		**0.22**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Selenium	**1.5**	J	**0.29**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Silver	**0.031**	J	**0.0090**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Thallium	**0.14**	J	**0.054**	**2.2**	**mg/Kg-dry**	5	4/28/2014 09:40
Vanadium	**12**		**0.13**	**2.2**	**mg/Kg-dry**	5	4/27/2014 00:54
Zinc	**110**		**0.19**	**4.5**	**mg/Kg-dry**	5	4/27/2014 00:54
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	**600**		**32**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Acenaphthene	U		11	76	µg/Kg-dry	10	4/23/2014 14:16
Acenaphthylene	**1,900**		**14**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-065
Collection Date: 4/14/2014 03:52 PM

Work Order: 1404759
Lab ID: 1404759-65
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**1,700**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Benzo(a)anthracene	**6,400**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Benzo(a)pyrene	**8,700**		**25**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Benzo(b)fluoranthene	**14,000**		**22**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Benzo(g,h,i)perylene	**2,600**		**30**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Benzo(k)fluoranthene	**4,100**		**16**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Chrysene	**7,700**		**18**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Dibenzo(a,h)anthracene	**1,200**		**28**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Fluoranthene	**5,900**		**27**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Fluorene	U		26	76	µg/Kg-dry	10	4/23/2014 14:16
Indeno(1,2,3-cd)pyrene	**3,700**		**25**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Naphthalene	**1,100**		**28**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Phenanthrene	**1,800**		**15**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Pyrene	**10,000**		**26**	**76**	**µg/Kg-dry**	10	4/23/2014 14:16
Surr: 2-Fluorobiphenyl	*63.2*			*12-100*	*%REC*	10	4/23/2014 14:16
Surr: 4-Terphenyl-d14	*86.6*			*25-137*	*%REC*	10	4/23/2014 14:16
Surr: Nitrobenzene-d5	*42.4*			*37-107*	*%REC*	10	4/23/2014 14:16
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57926							
1,1,1-Trichloroethane	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
1,1,2,2-Tetrachloroethane	U		17	38	µg/Kg-dry	1	4/26/2014 08:19
1,1,2-Trichloroethane	U		14	38	µg/Kg-dry	1	4/26/2014 08:19
1,1,2-Trichlorotrifluoroethane	U		14	38	µg/Kg-dry	1	4/26/2014 08:19
1,1-Dichloroethane	U		14	38	µg/Kg-dry	1	4/26/2014 08:19
1,1-Dichloroethene	U		16	38	µg/Kg-dry	1	4/26/2014 08:19
1,2,4-Trichlorobenzene	U		20	38	µg/Kg-dry	1	4/26/2014 08:19
1,2-Dibromo-3-chloropropane	U		19	38	µg/Kg-dry	1	4/26/2014 08:19
1,2-Dibromoethane	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
1,2-Dichlorobenzene	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
1,2-Dichloroethane	U		18	38	µg/Kg-dry	1	4/26/2014 08:19
1,2-Dichloropropane	U		13	38	µg/Kg-dry	1	4/26/2014 08:19
1,3-Dichlorobenzene	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
1,4-Dichlorobenzene	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
2-Butanone	U		95	260	µg/Kg-dry	1	4/26/2014 08:19
2-Hexanone	U		9.4	38	µg/Kg-dry	1	4/26/2014 08:19
4-Methyl-2-pentanone	U		13	38	µg/Kg-dry	1	4/26/2014 08:19
Acetone	U		81	130	µg/Kg-dry	1	4/26/2014 08:19
Benzene	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
Bromodichloromethane	U		8.6	38	µg/Kg-dry	1	4/26/2014 08:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-065
Collection Date: 4/14/2014 03:52 PM

Work Order: 1404759
Lab ID: 1404759-65
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		7.6	38	µg/Kg-dry	1	4/26/2014 08:19
Bromomethane	U		15	96	µg/Kg-dry	1	4/26/2014 08:19
Carbon disulfide	U		19	38	µg/Kg-dry	1	4/26/2014 08:19
Carbon tetrachloride	U		11	38	µg/Kg-dry	1	4/26/2014 08:19
Chlorobenzene	U		16	38	µg/Kg-dry	1	4/26/2014 08:19
Chloroethane	U		82	130	µg/Kg-dry	1	4/26/2014 08:19
Chloroform	U		16	38	µg/Kg-dry	1	4/26/2014 08:19
Chloromethane	U		21	130	µg/Kg-dry	1	4/26/2014 08:19
cis-1,2-Dichloroethene	U		16	38	µg/Kg-dry	1	4/26/2014 08:19
cis-1,3-Dichloropropene	U		13	38	µg/Kg-dry	1	4/26/2014 08:19
Cyclohexane	**270**		**17**	**38**	**µg/Kg-dry**	1	4/26/2014 08:19
Dibromochloromethane	U		7.1	38	µg/Kg-dry	1	4/26/2014 08:19
Dichlorodifluoromethane	U		17	38	µg/Kg-dry	1	4/26/2014 08:19
Ethylbenzene	**89**		**14**	**38**	**µg/Kg-dry**	1	4/26/2014 08:19
Isopropylbenzene	**100**		**17**	**38**	**µg/Kg-dry**	1	4/26/2014 08:19
Methyl acetate	**1,600**		**52**	**260**	**µg/Kg-dry**	1	4/26/2014 08:19
Methyl tert-butyl ether	U		16	38	µg/Kg-dry	1	4/26/2014 08:19
Methylcyclohexane	**1,300**		**18**	**38**	**µg/Kg-dry**	1	4/26/2014 08:19
Methylene chloride	U		15	38	µg/Kg-dry	1	4/26/2014 08:19
Styrene	U		14	38	µg/Kg-dry	1	4/26/2014 08:19
Tetrachloroethene	U		17	38	µg/Kg-dry	1	4/26/2014 08:19
Toluene	**170**		**14**	**38**	**µg/Kg-dry**	1	4/26/2014 08:19
trans-1,2-Dichloroethene	U		12	38	µg/Kg-dry	1	4/26/2014 08:19
trans-1,3-Dichloropropene	U		13	38	µg/Kg-dry	1	4/26/2014 08:19
Trichloroethene	U		18	38	µg/Kg-dry	1	4/26/2014 08:19
Trichlorofluoromethane	U		11	38	µg/Kg-dry	1	4/26/2014 08:19
Vinyl chloride	U		17	38	µg/Kg-dry	1	4/26/2014 08:19
Xylenes, Total	**820**		**45**	**120**	**µg/Kg-dry**	1	4/26/2014 08:19
Surr: 1,2-Dichloroethane-d4	*98.0*			*70-130*	*%REC*	1	4/26/2014 08:19
Surr: 4-Bromofluorobenzene	*96.1*			*70-130*	*%REC*	1	4/26/2014 08:19
Surr: Dibromofluoromethane	*97.2*			*70-130*	*%REC*	1	4/26/2014 08:19
Surr: Toluene-d8	*102*			*70-130*	*%REC*	1	4/26/2014 08:19
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**13**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-066
Collection Date: 4/14/2014 03:55 PM

Work Order: 1404759
Lab ID: 1404759-66
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		56	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1221	U		56	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1232	U		56	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1242	U		56	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1248	U		56	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1254	U		36	99	µg/Kg-dry	1	4/25/2014 12:32
Aroclor 1260	U		36	99	µg/Kg-dry	1	4/25/2014 12:32
Surr: Decachlorobiphenyl	*102*			*40-140*	*%REC*	1	4/25/2014 12:32
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.034**	J	**0.0010**	**0.052**	**mg/Kg-dry**	1	4/28/2014 19:54
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.46**	J	**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Arsenic	**10**		**0.32**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Barium	**24**		**0.067**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:46
Beryllium	**0.25**	J	**0.019**	**0.95**	**mg/Kg-dry**	5	4/28/2014 09:46
Cadmium	**0.060**	J	**0.0095**	**0.95**	**mg/Kg-dry**	5	4/28/2014 09:46
Chromium	**4.6**		**0.39**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Cobalt	**2.7**		**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Copper	**9.9**		**0.47**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Iron	**25,000**		**7.9**	**38**	**mg/Kg-dry**	5	4/27/2014 00:59
Lead	**4.7**		**0.0095**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:46
Manganese	**27**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Molybdenum	**1.6**	J	**0.10**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Nickel	**7.7**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Selenium	**0.92**	J	**0.31**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Silver	**0.019**	J	**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Thallium	**0.12**	J	**0.057**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:46
Vanadium	**8.4**		**0.14**	**2.4**	**mg/Kg-dry**	5	4/27/2014 00:59
Zinc	**24**		**0.20**	**4.8**	**mg/Kg-dry**	5	4/27/2014 00:59
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**1,000**		**3.3**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Acenaphthene	U		1.2	8.0	µg/Kg-dry	1	4/24/2014 17:01
Acenaphthylene	U		1.5	8.0	µg/Kg-dry	1	4/24/2014 17:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-066
Collection Date: 4/14/2014 03:55 PM

Work Order: 1404759
Lab ID: 1404759-66
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**110**		**1.6**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Benzo(a)anthracene	**110**		**1.6**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Benzo(a)pyrene	**110**		**2.6**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Benzo(b)fluoranthene	**130**		**2.3**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Benzo(g,h,i)perylene	**73**		**3.1**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Benzo(k)fluoranthene	**39**		**1.7**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Chrysene	**170**		**1.9**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Dibenzo(a,h)anthracene	U		3.0	8.0	µg/Kg-dry	1	4/24/2014 17:01
Fluoranthene	**140**		**2.8**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Fluorene	U		2.7	8.0	µg/Kg-dry	1	4/24/2014 17:01
Indeno(1,2,3-cd)pyrene	**86**		**2.7**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Naphthalene	**640**		**2.9**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Phenanthrene	**580**		**1.6**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Pyrene	**140**		**2.7**	**8.0**	**µg/Kg-dry**	1	4/24/2014 17:01
Surr: 2-Fluorobiphenyl	*76.9*			*12-100*	*%REC*	1	4/24/2014 17:01
Surr: 4-Terphenyl-d14	*91.4*			*25-137*	*%REC*	1	4/24/2014 17:01
Surr: Nitrobenzene-d5	*65.3*			*37-107*	*%REC*	1	4/24/2014 17:01
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		24	62	µg/Kg-dry	1	4/26/2014 08:43
1,1,2,2-Tetrachloroethane	U		27	62	µg/Kg-dry	1	4/26/2014 08:43
1,1,2-Trichloroethane	U		22	62	µg/Kg-dry	1	4/26/2014 08:43
1,1,2-Trichlorotrifluoroethane	U		23	62	µg/Kg-dry	1	4/26/2014 08:43
1,1-Dichloroethane	U		23	62	µg/Kg-dry	1	4/26/2014 08:43
1,1-Dichloroethene	U		26	62	µg/Kg-dry	1	4/26/2014 08:43
1,2,4-Trichlorobenzene	U		32	62	µg/Kg-dry	1	4/26/2014 08:43
1,2-Dibromo-3-chloropropane	U		30	62	µg/Kg-dry	1	4/26/2014 08:43
1,2-Dibromoethane	U		25	62	µg/Kg-dry	1	4/26/2014 08:43
1,2-Dichlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 08:43
1,2-Dichloroethane	U		30	62	µg/Kg-dry	1	4/26/2014 08:43
1,2-Dichloropropane	U		21	62	µg/Kg-dry	1	4/26/2014 08:43
1,3-Dichlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 08:43
1,4-Dichlorobenzene	U		24	62	µg/Kg-dry	1	4/26/2014 08:43
2-Butanone	U		150	420	µg/Kg-dry	1	4/26/2014 08:43
2-Hexanone	U		15	62	µg/Kg-dry	1	4/26/2014 08:43
4-Methyl-2-pentanone	U		21	62	µg/Kg-dry	1	4/26/2014 08:43
Acetone	U		130	210	µg/Kg-dry	1	4/26/2014 08:43
Benzene	**230**		**25**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
Bromodichloromethane	U		14	62	µg/Kg-dry	1	4/26/2014 08:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-066
Collection Date: 4/14/2014 03:55 PM

Work Order: 1404759
Lab ID: 1404759-66
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		12	62	µg/Kg-dry	1	4/26/2014 08:43
Bromomethane	U		24	160	µg/Kg-dry	1	4/26/2014 08:43
Carbon disulfide	U		31	62	µg/Kg-dry	1	4/26/2014 08:43
Carbon tetrachloride	U		18	62	µg/Kg-dry	1	4/26/2014 08:43
Chlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 08:43
Chloroethane	U		130	210	µg/Kg-dry	1	4/26/2014 08:43
Chloroform	U		26	62	µg/Kg-dry	1	4/26/2014 08:43
Chloromethane	U		35	210	µg/Kg-dry	1	4/26/2014 08:43
cis-1,2-Dichloroethene	U		25	62	µg/Kg-dry	1	4/26/2014 08:43
cis-1,3-Dichloropropene	U		21	62	µg/Kg-dry	1	4/26/2014 08:43
Cyclohexane	**270**		**28**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
Dibromochloromethane	U		12	62	µg/Kg-dry	1	4/26/2014 08:43
Dichlorodifluoromethane	U		28	62	µg/Kg-dry	1	4/26/2014 08:43
Ethylbenzene	**210**		**23**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
Isopropylbenzene	**170**		**27**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
Methyl acetate	**2,700**		**84**	**420**	**µg/Kg-dry**	1	4/26/2014 08:43
Methyl tert-butyl ether	U		26	62	µg/Kg-dry	1	4/26/2014 08:43
Methylcyclohexane	**1,300**		**29**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
Methylene chloride	U		24	62	µg/Kg-dry	1	4/26/2014 08:43
Styrene	U		23	62	µg/Kg-dry	1	4/26/2014 08:43
Tetrachloroethene	U		28	62	µg/Kg-dry	1	4/26/2014 08:43
Toluene	**940**		**23**	**62**	**µg/Kg-dry**	1	4/26/2014 08:43
trans-1,2-Dichloroethene	U		19	62	µg/Kg-dry	1	4/26/2014 08:43
trans-1,3-Dichloropropene	U		21	62	µg/Kg-dry	1	4/26/2014 08:43
Trichloroethene	U		29	62	µg/Kg-dry	1	4/26/2014 08:43
Trichlorofluoromethane	U		17	62	µg/Kg-dry	1	4/26/2014 08:43
Vinyl chloride	U		28	62	µg/Kg-dry	1	4/26/2014 08:43
Xylenes, Total	**1,200**		**74**	**190**	**µg/Kg-dry**	1	4/26/2014 08:43
Surr: 1,2-Dichloroethane-d4	*98.0*			*70-130*	*%REC*	1	4/26/2014 08:43
Surr: 4-Bromofluorobenzene	*94.9*			*70-130*	*%REC*	1	4/26/2014 08:43
Surr: Dibromofluoromethane	*98.8*			*70-130*	*%REC*	1	4/26/2014 08:43
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/26/2014 08:43
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**17**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-067
Collection Date: 4/14/2014 03:57 PM

Work Order: 1404759
Lab ID: 1404759-67
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		64	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1221	U		64	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1232	U		64	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1242	U		64	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1248	U		64	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1254	U		42	110	µg/Kg-dry	1	4/25/2014 12:48
Aroclor 1260	U		42	110	µg/Kg-dry	1	4/25/2014 12:48
Surr: Decachlorobiphenyl	*103*			*40-140*	*%REC*	1	4/25/2014 12:48
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.055**	J	**0.0011**	**0.055**	**mg/Kg-dry**	1	4/28/2014 19:56
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.79**	J	**0.0099**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Arsenic	**11**		**0.34**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Barium	**29**		**0.070**	**2.5**	**mg/Kg-dry**	5	4/28/2014 09:52
Beryllium	**0.71**	J	**0.020**	**0.99**	**mg/Kg-dry**	5	4/28/2014 09:52
Cadmium	**0.37**	J	**0.0099**	**0.99**	**mg/Kg-dry**	5	4/28/2014 09:52
Chromium	**7.4**		**0.41**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Cobalt	**2.6**		**0.0099**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Copper	**26**		**0.49**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Iron	**25,000**		**8.3**	**40**	**mg/Kg-dry**	5	4/27/2014 01:05
Lead	**15**		**0.0099**	**2.5**	**mg/Kg-dry**	5	4/28/2014 09:52
Manganese	**27**		**0.22**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Molybdenum	**1.6**	J	**0.11**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Nickel	**11**		**0.25**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Selenium	**3.2**		**0.32**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Silver	**0.029**	J	**0.0099**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Thallium	**0.38**	J	**0.060**	**2.5**	**mg/Kg-dry**	5	4/28/2014 09:52
Vanadium	**15**		**0.15**	**2.5**	**mg/Kg-dry**	5	4/27/2014 01:05
Zinc	**33**		**0.21**	**5.0**	**mg/Kg-dry**	5	4/27/2014 01:05
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**820**		**7.3**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Acenaphthene	U		2.6	18	µg/Kg-dry	1	4/24/2014 17:21
Acenaphthylene	U		3.2	18	µg/Kg-dry	1	4/24/2014 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-067
Collection Date: 4/14/2014 03:57 PM

Work Order: 1404759
Lab ID: 1404759-67
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**81**		**3.5**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Benzo(a)anthracene	**130**		**3.5**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Benzo(a)pyrene	**170**		**5.7**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Benzo(b)fluoranthene	**190**		**5.2**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Benzo(g,h,i)perylene	**100**		**6.9**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Benzo(k)fluoranthene	**66**		**3.7**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Chrysene	**150**		**4.2**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Dibenzo(a,h)anthracene	U		6.6	18	µg/Kg-dry	1	4/24/2014 17:21
Fluoranthene	**180**		**6.2**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Fluorene	U		5.9	18	µg/Kg-dry	1	4/24/2014 17:21
Indeno(1,2,3-cd)pyrene	**170**		**5.9**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Naphthalene	**570**		**6.5**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Phenanthrene	**450**		**3.5**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Pyrene	**140**		**5.9**	**18**	**µg/Kg-dry**	1	4/24/2014 17:21
Surr: 2-Fluorobiphenyl	*68.6*			*12-100*	*%REC*	1	4/24/2014 17:21
Surr: 4-Terphenyl-d14	*73.6*			*25-137*	*%REC*	1	4/24/2014 17:21
Surr: Nitrobenzene-d5	*57.4*			*37-107*	*%REC*	1	4/24/2014 17:21
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
1,1,2,2-Tetrachloroethane	U		27	62	µg/Kg-dry	1	4/26/2014 09:07
1,1,2-Trichloroethane	U		22	62	µg/Kg-dry	1	4/26/2014 09:07
1,1,2-Trichlorotrifluoroethane	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
1,1-Dichloroethane	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
1,1-Dichloroethene	U		26	62	µg/Kg-dry	1	4/26/2014 09:07
1,2,4-Trichlorobenzene	U		32	62	µg/Kg-dry	1	4/26/2014 09:07
1,2-Dibromo-3-chloropropane	U		30	62	µg/Kg-dry	1	4/26/2014 09:07
1,2-Dibromoethane	U		24	62	µg/Kg-dry	1	4/26/2014 09:07
1,2-Dichlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
1,2-Dichloroethane	U		29	62	µg/Kg-dry	1	4/26/2014 09:07
1,2-Dichloropropane	U		20	62	µg/Kg-dry	1	4/26/2014 09:07
1,3-Dichlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
1,4-Dichlorobenzene	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
2-Butanone	U		150	410	µg/Kg-dry	1	4/26/2014 09:07
2-Hexanone	U		15	62	µg/Kg-dry	1	4/26/2014 09:07
4-Methyl-2-pentanone	U		21	62	µg/Kg-dry	1	4/26/2014 09:07
Acetone	U		130	210	µg/Kg-dry	1	4/26/2014 09:07
Benzene	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
Bromodichloromethane	U		14	62	µg/Kg-dry	1	4/26/2014 09:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-067
Collection Date: 4/14/2014 03:57 PM

Work Order: 1404759
Lab ID: 1404759-67
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		12	62	µg/Kg-dry	1	4/26/2014 09:07
Bromomethane	U		24	150	µg/Kg-dry	1	4/26/2014 09:07
Carbon disulfide	U		31	62	µg/Kg-dry	1	4/26/2014 09:07
Carbon tetrachloride	U		18	62	µg/Kg-dry	1	4/26/2014 09:07
Chlorobenzene	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
Chloroethane	U		130	210	µg/Kg-dry	1	4/26/2014 09:07
Chloroform	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
Chloromethane	U		34	210	µg/Kg-dry	1	4/26/2014 09:07
cis-1,2-Dichloroethene	U		25	62	µg/Kg-dry	1	4/26/2014 09:07
cis-1,3-Dichloropropene	U		21	62	µg/Kg-dry	1	4/26/2014 09:07
Cyclohexane	U		28	62	µg/Kg-dry	1	4/26/2014 09:07
Dibromochloromethane	U		11	62	µg/Kg-dry	1	4/26/2014 09:07
Dichlorodifluoromethane	U		28	62	µg/Kg-dry	1	4/26/2014 09:07
Ethylbenzene	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
Isopropylbenzene	U		27	62	µg/Kg-dry	1	4/26/2014 09:07
Methyl acetate	U		83	410	µg/Kg-dry	1	4/26/2014 09:07
Methyl tert-butyl ether	U		26	62	µg/Kg-dry	1	4/26/2014 09:07
Methylcyclohexane	**400**		**29**	**62**	**µg/Kg-dry**	1	4/26/2014 09:07
Methylene chloride	U		24	62	µg/Kg-dry	1	4/26/2014 09:07
Styrene	U		23	62	µg/Kg-dry	1	4/26/2014 09:07
Tetrachloroethene	U		27	62	µg/Kg-dry	1	4/26/2014 09:07
Toluene	**140**		**23**	**62**	**µg/Kg-dry**	1	4/26/2014 09:07
trans-1,2-Dichloroethene	U		19	62	µg/Kg-dry	1	4/26/2014 09:07
trans-1,3-Dichloropropene	U		21	62	µg/Kg-dry	1	4/26/2014 09:07
Trichloroethene	U		29	62	µg/Kg-dry	1	4/26/2014 09:07
Trichlorofluoromethane	U		17	62	µg/Kg-dry	1	4/26/2014 09:07
Vinyl chloride	U		28	62	µg/Kg-dry	1	4/26/2014 09:07
Xylenes, Total	**290**		**73**	**180**	**µg/Kg-dry**	1	4/26/2014 09:07
Surr: 1,2-Dichloroethane-d4	*97.0*			*70-130*	*%REC*	1	4/26/2014 09:07
Surr: 4-Bromofluorobenzene	*94.2*			*70-130*	*%REC*	1	4/26/2014 09:07
Surr: Dibromofluoromethane	*98.6*			*70-130*	*%REC*	1	4/26/2014 09:07
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/26/2014 09:07
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**28**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-068
Collection Date: 4/14/2014 04:00 PM

Work Order: 1404759
Lab ID: 1404759-68
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/24/14		Analyst: **IT**
BatchID: 57911							
Aroclor 1016	U		61	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1221	U		61	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1232	U		61	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1242	U		61	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1248	U		61	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1254	U		39	110	µg/Kg-dry	1	4/25/2014 13:04
Aroclor 1260	U		39	110	µg/Kg-dry	1	4/25/2014 13:04
Surr: Decachlorobiphenyl	*93.1*			*40-140*	*%REC*	1	4/25/2014 13:04
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.056**		**0.00096**	**0.048**	**mg/Kg-dry**	1	4/28/2014 19:58
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**1.4**	J	**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Arsenic	**22**		**0.32**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Barium	**35**		**0.067**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:58
Beryllium	**0.59**	J	**0.019**	**0.95**	**mg/Kg-dry**	5	4/28/2014 09:58
Cadmium	**0.29**	J	**0.0095**	**0.95**	**mg/Kg-dry**	5	4/28/2014 09:58
Chromium	**7.8**		**0.39**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Cobalt	**2.7**		**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Copper	**26**		**0.47**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Iron	**29,000**		**7.9**	**38**	**mg/Kg-dry**	5	4/27/2014 01:11
Lead	**17**		**0.0095**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:58
Manganese	**22**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Molybdenum	**2.2**	J	**0.10**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Nickel	**9.9**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Selenium	**2.6**		**0.30**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Silver	**0.022**	J	**0.0095**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Thallium	**0.43**	J	**0.057**	**2.4**	**mg/Kg-dry**	5	4/28/2014 09:58
Vanadium	**23**		**0.14**	**2.4**	**mg/Kg-dry**	5	4/27/2014 01:11
Zinc	**9.6**		**0.20**	**4.8**	**mg/Kg-dry**	5	4/27/2014 01:11
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	**1,100**		**6.9**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Acenaphthene	U		2.5	17	µg/Kg-dry	1	4/24/2014 17:41
Acenaphthylene	U		3.0	17	µg/Kg-dry	1	4/24/2014 17:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-068
Collection Date: 4/14/2014 04:00 PM

Work Order: 1404759
Lab ID: 1404759-68
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**67**		**3.3**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Benzo(a)anthracene	**120**		**3.3**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Benzo(a)pyrene	**130**		**5.4**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Benzo(b)fluoranthene	**160**		**4.9**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Benzo(g,h,i)perylene	**89**		**6.6**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Benzo(k)fluoranthene	**69**		**3.5**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Chrysene	**170**		**4.0**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Dibenzo(a,h)anthracene	U		6.2	17	µg/Kg-dry	1	4/24/2014 17:41
Fluoranthene	**150**		**5.8**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Fluorene	U		5.6	17	µg/Kg-dry	1	4/24/2014 17:41
Indeno(1,2,3-cd)pyrene	**94**		**5.6**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Naphthalene	**740**		**6.2**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Phenanthrene	**520**		**3.3**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Pyrene	**130**		**5.6**	**17**	**µg/Kg-dry**	1	4/24/2014 17:41
Surr: 2-Fluorobiphenyl	*55.7*			*12-100*	*%REC*	1	4/24/2014 17:41
Surr: 4-Terphenyl-d14	*60.8*			*25-137*	*%REC*	1	4/24/2014 17:41
Surr: Nitrobenzene-d5	*49.9*			*37-107*	*%REC*	1	4/24/2014 17:41
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		28	74	µg/Kg-dry	1	4/26/2014 09:31
1,1,2,2-Tetrachloroethane	U		33	74	µg/Kg-dry	1	4/26/2014 09:31
1,1,2-Trichloroethane	U		26	74	µg/Kg-dry	1	4/26/2014 09:31
1,1,2-Trichlorotrifluoroethane	U		27	74	µg/Kg-dry	1	4/26/2014 09:31
1,1-Dichloroethane	U		27	74	µg/Kg-dry	1	4/26/2014 09:31
1,1-Dichloroethene	U		31	74	µg/Kg-dry	1	4/26/2014 09:31
1,2,4-Trichlorobenzene	U		38	74	µg/Kg-dry	1	4/26/2014 09:31
1,2-Dibromo-3-chloropropane	U		36	74	µg/Kg-dry	1	4/26/2014 09:31
1,2-Dibromoethane	U		29	74	µg/Kg-dry	1	4/26/2014 09:31
1,2-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
1,2-Dichloroethane	U		35	74	µg/Kg-dry	1	4/26/2014 09:31
1,2-Dichloropropane	U		24	74	µg/Kg-dry	1	4/26/2014 09:31
1,3-Dichlorobenzene	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
1,4-Dichlorobenzene	U		28	74	µg/Kg-dry	1	4/26/2014 09:31
2-Butanone	U		180	490	µg/Kg-dry	1	4/26/2014 09:31
2-Hexanone	U		18	74	µg/Kg-dry	1	4/26/2014 09:31
4-Methyl-2-pentanone	U		25	74	µg/Kg-dry	1	4/26/2014 09:31
Acetone	U		160	250	µg/Kg-dry	1	4/26/2014 09:31
Benzene	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
Bromodichloromethane	U		17	74	µg/Kg-dry	1	4/26/2014 09:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-068
Collection Date: 4/14/2014 04:00 PM

Work Order: 1404759
Lab ID: 1404759-68
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		15	74	µg/Kg-dry	1	4/26/2014 09:31
Bromomethane	U		28	180	µg/Kg-dry	1	4/26/2014 09:31
Carbon disulfide	U		37	74	µg/Kg-dry	1	4/26/2014 09:31
Carbon tetrachloride	U		21	74	µg/Kg-dry	1	4/26/2014 09:31
Chlorobenzene	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
Chloroethane	U		160	250	µg/Kg-dry	1	4/26/2014 09:31
Chloroform	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
Chloromethane	U		41	250	µg/Kg-dry	1	4/26/2014 09:31
cis-1,2-Dichloroethene	U		30	74	µg/Kg-dry	1	4/26/2014 09:31
cis-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/26/2014 09:31
Cyclohexane	U		33	74	µg/Kg-dry	1	4/26/2014 09:31
Dibromochloromethane	U		14	74	µg/Kg-dry	1	4/26/2014 09:31
Dichlorodifluoromethane	U		33	74	µg/Kg-dry	1	4/26/2014 09:31
Ethylbenzene	U		27	74	µg/Kg-dry	1	4/26/2014 09:31
Isopropylbenzene	U		32	74	µg/Kg-dry	1	4/26/2014 09:31
Methyl acetate	U		99	490	µg/Kg-dry	1	4/26/2014 09:31
Methyl tert-butyl ether	U		31	74	µg/Kg-dry	1	4/26/2014 09:31
Methylcyclohexane	**670**		**34**	**74**	**µg/Kg-dry**	1	4/26/2014 09:31
Methylene chloride	U		29	74	µg/Kg-dry	1	4/26/2014 09:31
Styrene	U		28	74	µg/Kg-dry	1	4/26/2014 09:31
Tetrachloroethene	U		33	74	µg/Kg-dry	1	4/26/2014 09:31
Toluene	**210**		**28**	**74**	**µg/Kg-dry**	1	4/26/2014 09:31
trans-1,2-Dichloroethene	U		23	74	µg/Kg-dry	1	4/26/2014 09:31
trans-1,3-Dichloropropene	U		25	74	µg/Kg-dry	1	4/26/2014 09:31
Trichloroethene	U		35	74	µg/Kg-dry	1	4/26/2014 09:31
Trichlorofluoromethane	U		20	74	µg/Kg-dry	1	4/26/2014 09:31
Vinyl chloride	U		33	74	µg/Kg-dry	1	4/26/2014 09:31
Xylenes, Total	**580**		**87**	**220**	**µg/Kg-dry**	1	4/26/2014 09:31
Surr: 1,2-Dichloroethane-d4	*96.7*			*70-130*	*%REC*	1	4/26/2014 09:31
Surr: 4-Bromofluorobenzene	*95.3*			*70-130*	*%REC*	1	4/26/2014 09:31
Surr: Dibromofluoromethane	*97.8*			*70-130*	*%REC*	1	4/26/2014 09:31
Surr: Toluene-d8	*99.3*			*70-130*	*%REC*	1	4/26/2014 09:31
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**23**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-069
Collection Date: 4/14/2014 04:05 PM

Work Order: 1404759
Lab ID: 1404759-69
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		52	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1221	U		52	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1232	U		52	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1242	U		52	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1248	U		52	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1254	U		33	91	µg/Kg-dry	1	4/24/2014 09:57
Aroclor 1260	U		33	91	µg/Kg-dry	1	4/24/2014 09:57
Surr: Decachlorobiphenyl	*108*			*40-140*	*%REC*	1	4/24/2014 09:57
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.0052**	J	**0.00092**	**0.046**	**mg/Kg-dry**	1	4/28/2014 20:00
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.16**	J	**0.0092**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Arsenic	**2.5**		**0.31**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Barium	**23**		**0.064**	**2.3**	**mg/Kg-dry**	5	4/28/2014 10:04
Beryllium	**0.035**	J	**0.018**	**0.92**	**mg/Kg-dry**	5	4/28/2014 10:04
Cadmium	**0.021**	J	**0.0092**	**0.92**	**mg/Kg-dry**	5	4/28/2014 10:04
Chromium	**9.2**		**0.38**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Cobalt	**0.87**	J	**0.0092**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Copper	**5.4**		**0.45**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Iron	**5,300**		**7.6**	**37**	**mg/Kg-dry**	5	4/27/2014 01:17
Lead	**2.8**		**0.0092**	**2.3**	**mg/Kg-dry**	5	4/28/2014 10:04
Manganese	**18**		**0.20**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Molybdenum	**0.76**	J	**0.10**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Nickel	**3.0**		**0.23**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Selenium	**1.1**	J	**0.29**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Silver	U		0.0092	2.3	mg/Kg-dry	5	4/27/2014 01:17
Thallium	**0.12**	J	**0.055**	**2.3**	**mg/Kg-dry**	5	4/28/2014 10:04
Vanadium	**6.6**		**0.14**	**2.3**	**mg/Kg-dry**	5	4/27/2014 01:17
Zinc	**7.8**		**0.19**	**4.6**	**mg/Kg-dry**	5	4/27/2014 01:17
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **HL**
BatchID: 57854							
2-Methylnaphthalene	U		3.1	7.4	µg/Kg-dry	1	4/23/2014 19:06
Acenaphthene	U		1.1	7.4	µg/Kg-dry	1	4/23/2014 19:06
Acenaphthylene	U		1.3	7.4	µg/Kg-dry	1	4/23/2014 19:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-069
Collection Date: 4/14/2014 04:05 PM

Work Order: 1404759
Lab ID: 1404759-69
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Benzo(a)anthracene	U		1.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Benzo(a)pyrene	U		2.4	7.4	µg/Kg-dry	1	4/23/2014 19:06
Benzo(b)fluoranthene	U		2.2	7.4	µg/Kg-dry	1	4/23/2014 19:06
Benzo(g,h,i)perylene	U		2.9	7.4	µg/Kg-dry	1	4/23/2014 19:06
Benzo(k)fluoranthene	U		1.6	7.4	µg/Kg-dry	1	4/23/2014 19:06
Chrysene	U		1.8	7.4	µg/Kg-dry	1	4/23/2014 19:06
Dibenzo(a,h)anthracene	U		2.8	7.4	µg/Kg-dry	1	4/23/2014 19:06
Fluoranthene	U		2.6	7.4	µg/Kg-dry	1	4/23/2014 19:06
Fluorene	U		2.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Indeno(1,2,3-cd)pyrene	U		2.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Naphthalene	U		2.7	7.4	µg/Kg-dry	1	4/23/2014 19:06
Phenanthrene	U		1.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Pyrene	U		2.5	7.4	µg/Kg-dry	1	4/23/2014 19:06
Surr: 2-Fluorobiphenyl	*57.6*			*12-100*	*%REC*	1	4/23/2014 19:06
Surr: 4-Terphenyl-d14	*104*			*25-137*	*%REC*	1	4/23/2014 19:06
Surr: Nitrobenzene-d5	*38.0*			*37-107*	*%REC*	1	4/23/2014 19:06
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/26/2014 09:56
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
1,1-Dichloroethane	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/26/2014 09:56
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/26/2014 09:56
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/26/2014 09:56
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/26/2014 09:56
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
2-Butanone	U		85	230	µg/Kg-dry	1	4/26/2014 09:56
2-Hexanone	U		8.4	34	µg/Kg-dry	1	4/26/2014 09:56
4-Methyl-2-pentanone	U		12	34	µg/Kg-dry	1	4/26/2014 09:56
Acetone	U		72	110	µg/Kg-dry	1	4/26/2014 09:56
Benzene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
Bromodichloromethane	U		7.7	34	µg/Kg-dry	1	4/26/2014 09:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-069
Collection Date: 4/14/2014 04:05 PM

Work Order: 1404759
Lab ID: 1404759-69
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.7	34	µg/Kg-dry	1	4/26/2014 09:56
Bromomethane	U		13	85	µg/Kg-dry	1	4/26/2014 09:56
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/26/2014 09:56
Carbon tetrachloride	U		9.7	34	µg/Kg-dry	1	4/26/2014 09:56
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
Chloroethane	U		73	110	µg/Kg-dry	1	4/26/2014 09:56
Chloroform	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
Chloromethane	U		19	110	µg/Kg-dry	1	4/26/2014 09:56
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/26/2014 09:56
Cyclohexane	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
Dibromochloromethane	U		6.3	34	µg/Kg-dry	1	4/26/2014 09:56
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
Ethylbenzene	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
Methyl acetate	**1,200**		**46**	**230**	**µg/Kg-dry**	1	4/26/2014 09:56
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/26/2014 09:56
Methylcyclohexane	U		16	34	µg/Kg-dry	1	4/26/2014 09:56
Methylene chloride	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
Styrene	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
Toluene	U		13	34	µg/Kg-dry	1	4/26/2014 09:56
trans-1,2-Dichloroethene	U		11	34	µg/Kg-dry	1	4/26/2014 09:56
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/26/2014 09:56
Trichloroethene	U		16	34	µg/Kg-dry	1	4/26/2014 09:56
Trichlorofluoromethane	U		9.4	34	µg/Kg-dry	1	4/26/2014 09:56
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/26/2014 09:56
Xylenes, Total	U		40	100	µg/Kg-dry	1	4/26/2014 09:56
Surr: 1,2-Dichloroethane-d4	*97.0*			*70-130*	*%REC*	1	4/26/2014 09:56
Surr: 4-Bromofluorobenzene	*95.4*			*70-130*	*%REC*	1	4/26/2014 09:56
Surr: Dibromofluoromethane	*98.5*			*70-130*	*%REC*	1	4/26/2014 09:56
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/26/2014 09:56
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-070
Collection Date: 4/14/2014 04:20 PM

Work Order: 1404759
Lab ID: 1404759-70
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		52	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1221	U		52	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1232	U		52	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1242	U		52	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1248	U		52	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1254	U		34	92	µg/Kg-dry	1	4/24/2014 10:13
Aroclor 1260	U		34	92	µg/Kg-dry	1	4/24/2014 10:13
Surr: Decachlorobiphenyl	*88.1*			*40-140*	*%REC*	1	4/24/2014 10:13
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58008							
Mercury	**0.050**		**0.00078**	**0.039**	**mg/Kg-dry**	1	4/28/2014 20:10
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.51**	J	**0.0079**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Arsenic	**11**		**0.27**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Barium	**39**		**0.055**	**2.0**	**mg/Kg-dry**	5	4/28/2014 10:10
Beryllium	**0.51**	J	**0.016**	**0.79**	**mg/Kg-dry**	5	4/28/2014 10:10
Cadmium	**1.2**		**0.0079**	**0.79**	**mg/Kg-dry**	5	4/28/2014 10:10
Chromium	**6.3**		**0.32**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Cobalt	**3.7**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Copper	**14**		**0.39**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Iron	**47,000**		**6.6**	**32**	**mg/Kg-dry**	5	4/27/2014 01:23
Lead	**13**		**0.0079**	**2.0**	**mg/Kg-dry**	5	4/28/2014 10:10
Manganese	**40**		**0.17**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Molybdenum	**3.9**		**0.087**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Nickel	**9.4**		**0.20**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Selenium	**1.7**	J	**0.25**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Silver	**0.018**	J	**0.0079**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Thallium	**0.20**	J	**0.047**	**2.0**	**mg/Kg-dry**	5	4/28/2014 10:10
Vanadium	**14**		**0.12**	**2.0**	**mg/Kg-dry**	5	4/27/2014 01:23
Zinc	**26**		**0.17**	**3.9**	**mg/Kg-dry**	5	4/27/2014 01:23
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/23/14		Analyst: **RM**
BatchID: 57883							
2-Methylnaphthalene	U		3.1	7.5	µg/Kg-dry	1	4/24/2014 14:18
Acenaphthene	U		1.1	7.5	µg/Kg-dry	1	4/24/2014 14:18
Acenaphthylene	**50**		**1.4**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-070
Collection Date: 4/14/2014 04:20 PM

Work Order: 1404759
Lab ID: 1404759-70
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**51**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Benzo(a)anthracene	**170**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Benzo(a)pyrene	**230**		**2.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Benzo(b)fluoranthene	**380**		**2.2**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Benzo(g,h,i)perylene	**170**		**3.0**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Benzo(k)fluoranthene	**130**		**1.6**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Chrysene	**240**		**1.8**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Dibenzo(a,h)anthracene	**66**		**2.8**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Fluoranthene	**150**		**2.6**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Fluorene	U		2.5	7.5	µg/Kg-dry	1	4/24/2014 14:18
Indeno(1,2,3-cd)pyrene	**200**		**2.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Naphthalene	U		2.8	7.5	µg/Kg-dry	1	4/24/2014 14:18
Phenanthrene	**68**		**1.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Pyrene	**140**		**2.5**	**7.5**	**µg/Kg-dry**	1	4/24/2014 14:18
Surr: 2-Fluorobiphenyl	*52.1*			*12-100*	*%REC*	1	4/24/2014 14:18
Surr: 4-Terphenyl-d14	*69.8*			*25-137*	*%REC*	1	4/24/2014 14:18
Surr: Nitrobenzene-d5	*48.7*			*37-107*	*%REC*	1	4/24/2014 14:18
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		16	42	µg/Kg-dry	1	4/26/2014 10:20
1,1,2,2-Tetrachloroethane	U		18	42	µg/Kg-dry	1	4/26/2014 10:20
1,1,2-Trichloroethane	U		15	42	µg/Kg-dry	1	4/26/2014 10:20
1,1,2-Trichlorotrifluoroethane	U		15	42	µg/Kg-dry	1	4/26/2014 10:20
1,1-Dichloroethane	U		15	42	µg/Kg-dry	1	4/26/2014 10:20
1,1-Dichloroethene	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
1,2,4-Trichlorobenzene	U		22	42	µg/Kg-dry	1	4/26/2014 10:20
1,2-Dibromo-3-chloropropane	U		20	42	µg/Kg-dry	1	4/26/2014 10:20
1,2-Dibromoethane	U		16	42	µg/Kg-dry	1	4/26/2014 10:20
1,2-Dichlorobenzene	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
1,2-Dichloroethane	U		20	42	µg/Kg-dry	1	4/26/2014 10:20
1,2-Dichloropropane	U		14	42	µg/Kg-dry	1	4/26/2014 10:20
1,3-Dichlorobenzene	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
1,4-Dichlorobenzene	U		16	42	µg/Kg-dry	1	4/26/2014 10:20
2-Butanone	U		100	280	µg/Kg-dry	1	4/26/2014 10:20
2-Hexanone	U		10	42	µg/Kg-dry	1	4/26/2014 10:20
4-Methyl-2-pentanone	U		14	42	µg/Kg-dry	1	4/26/2014 10:20
Acetone	U		88	140	µg/Kg-dry	1	4/26/2014 10:20
Benzene	**180**		**17**	**42**	**µg/Kg-dry**	1	4/26/2014 10:20
Bromodichloromethane	U		9.3	42	µg/Kg-dry	1	4/26/2014 10:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-070
Collection Date: 4/14/2014 04:20 PM

Work Order: 1404759
Lab ID: 1404759-70
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		8.2	42	µg/Kg-dry	1	4/26/2014 10:20
Bromomethane	U		16	100	µg/Kg-dry	1	4/26/2014 10:20
Carbon disulfide	U		21	42	µg/Kg-dry	1	4/26/2014 10:20
Carbon tetrachloride	U		12	42	µg/Kg-dry	1	4/26/2014 10:20
Chlorobenzene	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
Chloroethane	U		88	140	µg/Kg-dry	1	4/26/2014 10:20
Chloroform	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
Chloromethane	U		23	140	µg/Kg-dry	1	4/26/2014 10:20
cis-1,2-Dichloroethene	U		17	42	µg/Kg-dry	1	4/26/2014 10:20
cis-1,3-Dichloropropene	U		14	42	µg/Kg-dry	1	4/26/2014 10:20
Cyclohexane	U		19	42	µg/Kg-dry	1	4/26/2014 10:20
Dibromochloromethane	U		7.7	42	µg/Kg-dry	1	4/26/2014 10:20
Dichlorodifluoromethane	U		19	42	µg/Kg-dry	1	4/26/2014 10:20
Ethylbenzene	**160**		**15**	**42**	**µg/Kg-dry**	1	4/26/2014 10:20
Isopropylbenzene	**130**		**18**	**42**	**µg/Kg-dry**	1	4/26/2014 10:20
Methyl acetate	**2,200**		**56**	**280**	**µg/Kg-dry**	1	4/26/2014 10:20
Methyl tert-butyl ether	U		18	42	µg/Kg-dry	1	4/26/2014 10:20
Methylcyclohexane	**620**		**19**	**42**	**µg/Kg-dry**	1	4/26/2014 10:20
Methylene chloride	U		16	42	µg/Kg-dry	1	4/26/2014 10:20
Styrene	U		16	42	µg/Kg-dry	1	4/26/2014 10:20
Tetrachloroethene	U		19	42	µg/Kg-dry	1	4/26/2014 10:20
Toluene	**780**		**16**	**42**	**µg/Kg-dry**	1	4/26/2014 10:20
trans-1,2-Dichloroethene	U		13	42	µg/Kg-dry	1	4/26/2014 10:20
trans-1,3-Dichloropropene	U		14	42	µg/Kg-dry	1	4/26/2014 10:20
Trichloroethene	U		19	42	µg/Kg-dry	1	4/26/2014 10:20
Trichlorofluoromethane	U		11	42	µg/Kg-dry	1	4/26/2014 10:20
Vinyl chloride	U		19	42	µg/Kg-dry	1	4/26/2014 10:20
Xylenes, Total	**1,100**		**49**	**120**	**µg/Kg-dry**	1	4/26/2014 10:20
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-130*	*%REC*	1	4/26/2014 10:20
Surr: 4-Bromofluorobenzene	*95.6*			*70-130*	*%REC*	1	4/26/2014 10:20
Surr: Dibromofluoromethane	*99.7*			*70-130*	*%REC*	1	4/26/2014 10:20
Surr: Toluene-d8	*99.3*			*70-130*	*%REC*	1	4/26/2014 10:20
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139110							
Moisture	**14**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-071
Collection Date: 4/14/2014 04:22 PM

Work Order: 1404759
Lab ID: 1404759-71
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		53	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1221	U		53	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1232	U		53	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1242	U		53	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1248	U		53	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1254	U		34	93	µg/Kg-dry	1	4/24/2014 10:30
Aroclor 1260	U		34	93	µg/Kg-dry	1	4/24/2014 10:30
Surr: Decachlorobiphenyl	*95.1*			*40-140*	*%REC*	1	4/24/2014 10:30
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58038							
Mercury	**0.033**	J	**0.00090**	**0.045**	**mg/Kg-dry**	1	4/28/2014 20:17
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**1.3**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Arsenic	**8.2**		**0.29**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Barium	**32**		**0.060**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:16
Beryllium	**0.31**	J	**0.017**	**0.85**	**mg/Kg-dry**	5	4/28/2014 10:16
Cadmium	**0.32**	J	**0.0085**	**0.85**	**mg/Kg-dry**	5	4/28/2014 10:16
Chromium	**5.3**		**0.35**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Cobalt	**2.4**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Copper	**15**		**0.42**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Iron	**36,000**		**7.1**	**34**	**mg/Kg-dry**	5	4/27/2014 01:29
Lead	**16**		**0.0085**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:16
Manganese	**46**		**0.19**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Molybdenum	**2.0**	J	**0.094**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Nickel	**5.5**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Selenium	**0.92**	J	**0.27**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Silver	**0.017**	J	**0.0085**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Thallium	**0.17**	J	**0.051**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:16
Vanadium	**12**		**0.13**	**2.1**	**mg/Kg-dry**	5	4/27/2014 01:29
Zinc	**4.2**	J	**0.18**	**4.3**	**mg/Kg-dry**	5	4/27/2014 01:29
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/23/14		Analyst: **HL**
BatchID: 57883							
2-Methylnaphthalene	**77**		**3.2**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Acenaphthene	U		1.1	7.6	µg/Kg-dry	1	4/25/2014 13:57
Acenaphthylene	**13**		**1.4**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-071
Collection Date: 4/14/2014 04:22 PM

Work Order: 1404759
Lab ID: 1404759-71
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	**12**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Benzo(a)anthracene	**44**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Benzo(a)pyrene	**53**		**2.5**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Benzo(b)fluoranthene	**130**		**2.2**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Benzo(g,h,i)perylene	**24**		**3.0**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Benzo(k)fluoranthene	**39**		**1.6**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Chrysene	**96**		**1.8**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Dibenzo(a,h)anthracene	**12**		**2.8**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Fluoranthene	**69**		**2.7**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Fluorene	U		2.6	7.6	µg/Kg-dry	1	4/25/2014 13:57
Indeno(1,2,3-cd)pyrene	**22**		**2.5**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Naphthalene	**57**		**2.8**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Phenanthrene	**66**		**1.5**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Pyrene	**64**		**2.6**	**7.6**	**µg/Kg-dry**	1	4/25/2014 13:57
Surr: 2-Fluorobiphenyl	*57.0*			*12-100*	*%REC*	1	4/25/2014 13:57
Surr: 4-Terphenyl-d14	*71.5*			*25-137*	*%REC*	1	4/25/2014 13:57
Surr: Nitrobenzene-d5	*52.3*			*37-107*	*%REC*	1	4/25/2014 13:57
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **BG**
BatchID: 57926							
1,1,1-Trichloroethane	U		22	57	µg/Kg-dry	1	4/27/2014 18:17
1,1,2,2-Tetrachloroethane	U		25	57	µg/Kg-dry	1	4/27/2014 18:17
1,1,2-Trichloroethane	U		20	57	µg/Kg-dry	1	4/27/2014 18:17
1,1,2-Trichlorotrifluoroethane	U		21	57	µg/Kg-dry	1	4/27/2014 18:17
1,1-Dichloroethane	U		21	57	µg/Kg-dry	1	4/27/2014 18:17
1,1-Dichloroethene	U		24	57	µg/Kg-dry	1	4/27/2014 18:17
1,2,4-Trichlorobenzene	U		29	57	µg/Kg-dry	1	4/27/2014 18:17
1,2-Dibromo-3-chloropropane	U		28	57	µg/Kg-dry	1	4/27/2014 18:17
1,2-Dibromoethane	U		22	57	µg/Kg-dry	1	4/27/2014 18:17
1,2-Dichlorobenzene	U		23	57	µg/Kg-dry	1	4/27/2014 18:17
1,2-Dichloroethane	U		27	57	µg/Kg-dry	1	4/27/2014 18:17
1,2-Dichloropropane	U		19	57	µg/Kg-dry	1	4/27/2014 18:17
1,3-Dichlorobenzene	U		23	57	µg/Kg-dry	1	4/27/2014 18:17
1,4-Dichlorobenzene	U		22	57	µg/Kg-dry	1	4/27/2014 18:17
2-Butanone	**220**	J	**140**	**380**	**µg/Kg-dry**	1	4/27/2014 18:17
2-Hexanone	U		14	57	µg/Kg-dry	1	4/27/2014 18:17
4-Methyl-2-pentanone	U		19	57	µg/Kg-dry	1	4/27/2014 18:17
Acetone	**420**		**120**	**190**	**µg/Kg-dry**	1	4/27/2014 18:17
Benzene	**1,300**		**23**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
Bromodichloromethane	U		13	57	µg/Kg-dry	1	4/27/2014 18:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-071
Collection Date: 4/14/2014 04:22 PM

Work Order: 1404759
Lab ID: 1404759-71
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		11	57	µg/Kg-dry	1	4/27/2014 18:17
Bromomethane	U		22	140	µg/Kg-dry	1	4/27/2014 18:17
Carbon disulfide	U		28	57	µg/Kg-dry	1	4/27/2014 18:17
Carbon tetrachloride	U		16	57	µg/Kg-dry	1	4/27/2014 18:17
Chlorobenzene	U		23	57	µg/Kg-dry	1	4/27/2014 18:17
Chloroethane	U		120	190	µg/Kg-dry	1	4/27/2014 18:17
Chloroform	U		23	57	µg/Kg-dry	1	4/27/2014 18:17
Chloromethane	U		31	190	µg/Kg-dry	1	4/27/2014 18:17
cis-1,2-Dichloroethene	U		23	57	µg/Kg-dry	1	4/27/2014 18:17
cis-1,3-Dichloropropene	U		19	57	µg/Kg-dry	1	4/27/2014 18:17
Cyclohexane	**1,600**		**25**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
Dibromochloromethane	U		10	57	µg/Kg-dry	1	4/27/2014 18:17
Dichlorodifluoromethane	U		26	57	µg/Kg-dry	1	4/27/2014 18:17
Ethylbenzene	**1,100**		**21**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
Isopropylbenzene	**880**		**24**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
Methyl acetate	**740**		**76**	**380**	**µg/Kg-dry**	1	4/27/2014 18:17
Methyl tert-butyl ether	U		24	57	µg/Kg-dry	1	4/27/2014 18:17
Methylcyclohexane	**6,300**		**26**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
Methylene chloride	U		22	57	µg/Kg-dry	1	4/27/2014 18:17
Styrene	U		21	57	µg/Kg-dry	1	4/27/2014 18:17
Tetrachloroethene	U		25	57	µg/Kg-dry	1	4/27/2014 18:17
Toluene	**5,300**		**21**	**57**	**µg/Kg-dry**	1	4/27/2014 18:17
trans-1,2-Dichloroethene	U		17	57	µg/Kg-dry	1	4/27/2014 18:17
trans-1,3-Dichloropropene	U		19	57	µg/Kg-dry	1	4/27/2014 18:17
Trichloroethene	U		26	57	µg/Kg-dry	1	4/27/2014 18:17
Trichlorofluoromethane	U		16	57	µg/Kg-dry	1	4/27/2014 18:17
Vinyl chloride	U		26	57	µg/Kg-dry	1	4/27/2014 18:17
Xylenes, Total	**6,500**		**67**	**170**	**µg/Kg-dry**	1	4/27/2014 18:17
Surr: 1,2-Dichloroethane-d4	*93.4*			*70-130*	*%REC*	1	4/27/2014 18:17
Surr: 4-Bromofluorobenzene	*88.7*			*70-130*	*%REC*	1	4/27/2014 18:17
Surr: Dibromofluoromethane	*98.2*			*70-130*	*%REC*	1	4/27/2014 18:17
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/27/2014 18:17
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139111							
Moisture	**14**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-072
Collection Date: 4/14/2014 04:25 PM

Work Order: 1404759
Lab ID: 1404759-72
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		51	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1221	U		51	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1232	U		51	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1242	U		51	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1248	U		51	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1254	U		33	90	µg/Kg-dry	1	4/24/2014 11:18
Aroclor 1260	U		33	90	µg/Kg-dry	1	4/24/2014 11:18
Surr: Decachlorobiphenyl	*101*			*40-140*	*%REC*	1	4/24/2014 11:18
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58038							
Mercury	**0.0098**	J	**0.00082**	**0.041**	**mg/Kg-dry**	1	4/28/2014 20:24
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.66**	J	**0.0082**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Arsenic	**6.5**		**0.28**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Barium	**29**		**0.058**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:57
Beryllium	**1.3**		**0.016**	**0.82**	**mg/Kg-dry**	5	4/28/2014 10:57
Cadmium	**0.44**	J	**0.0082**	**0.82**	**mg/Kg-dry**	5	4/28/2014 10:57
Chromium	**9.7**		**0.34**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Cobalt	**11**		**0.0082**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Copper	**25**		**0.40**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Iron	**20,000**		**6.8**	**33**	**mg/Kg-dry**	5	4/27/2014 02:22
Lead	**14**		**0.0082**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:57
Manganese	**460**		**0.18**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Molybdenum	**1.2**	J	**0.090**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Nickel	**34**		**0.21**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Selenium	**2.1**		**0.26**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Silver	**0.11**	J	**0.0082**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Thallium	**0.31**	J	**0.049**	**2.1**	**mg/Kg-dry**	5	4/28/2014 10:57
Vanadium	**13**		**0.12**	**2.1**	**mg/Kg-dry**	5	4/27/2014 02:22
Zinc	**49**		**0.17**	**4.1**	**mg/Kg-dry**	5	4/27/2014 02:22
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/23/14		Analyst: **RM**
BatchID: 57883							
2-Methylnaphthalene	U		3.0	7.3	µg/Kg-dry	1	4/24/2014 14:39
Acenaphthene	U		1.1	7.3	µg/Kg-dry	1	4/24/2014 14:39
Acenaphthylene	U		1.3	7.3	µg/Kg-dry	1	4/24/2014 14:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-072
Collection Date: 4/14/2014 04:25 PM

Work Order: 1404759
Lab ID: 1404759-72
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		1.4	7.3	µg/Kg-dry	1	4/24/2014 14:39
Benzo(a)anthracene	U		1.4	7.3	µg/Kg-dry	1	4/24/2014 14:39
Benzo(a)pyrene	U		2.4	7.3	µg/Kg-dry	1	4/24/2014 14:39
Benzo(b)fluoranthene	U		2.1	7.3	µg/Kg-dry	1	4/24/2014 14:39
Benzo(g,h,i)perylene	U		2.9	7.3	µg/Kg-dry	1	4/24/2014 14:39
Benzo(k)fluoranthene	U		1.6	7.3	µg/Kg-dry	1	4/24/2014 14:39
Chrysene	U		1.7	7.3	µg/Kg-dry	1	4/24/2014 14:39
Dibenzo(a,h)anthracene	U		2.7	7.3	µg/Kg-dry	1	4/24/2014 14:39
Fluoranthene	U		2.6	7.3	µg/Kg-dry	1	4/24/2014 14:39
Fluorene	U		2.5	7.3	µg/Kg-dry	1	4/24/2014 14:39
Indeno(1,2,3-cd)pyrene	U		2.4	7.3	µg/Kg-dry	1	4/24/2014 14:39
Naphthalene	U		2.7	7.3	µg/Kg-dry	1	4/24/2014 14:39
Phenanthrene	U		1.5	7.3	µg/Kg-dry	1	4/24/2014 14:39
Pyrene	U		2.5	7.3	µg/Kg-dry	1	4/24/2014 14:39
Surr: 2-Fluorobiphenyl	*67.5*			*12-100*	*%REC*	1	4/24/2014 14:39
Surr: 4-Terphenyl-d14	*81.8*			*25-137*	*%REC*	1	4/24/2014 14:39
Surr: Nitrobenzene-d5	*63.1*			*37-107*	*%REC*	1	4/24/2014 14:39
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
1,1,2,2-Tetrachloroethane	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
1,1,2-Trichloroethane	U		12	34	µg/Kg-dry	1	4/26/2014 10:44
1,1,2-Trichlorotrifluoroethane	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
1,1-Dichloroethane	U		12	34	µg/Kg-dry	1	4/26/2014 10:44
1,1-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
1,2,4-Trichlorobenzene	U		18	34	µg/Kg-dry	1	4/26/2014 10:44
1,2-Dibromo-3-chloropropane	U		17	34	µg/Kg-dry	1	4/26/2014 10:44
1,2-Dibromoethane	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
1,2-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
1,2-Dichloroethane	U		16	34	µg/Kg-dry	1	4/26/2014 10:44
1,2-Dichloropropane	U		11	34	µg/Kg-dry	1	4/26/2014 10:44
1,3-Dichlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
1,4-Dichlorobenzene	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
2-Butanone	U		84	230	µg/Kg-dry	1	4/26/2014 10:44
2-Hexanone	U		8.3	34	µg/Kg-dry	1	4/26/2014 10:44
4-Methyl-2-pentanone	U		11	34	µg/Kg-dry	1	4/26/2014 10:44
Acetone	U		72	110	µg/Kg-dry	1	4/26/2014 10:44
Benzene	**35**		**14**	**34**	**µg/Kg-dry**	1	4/26/2014 10:44
Bromodichloromethane	U		7.6	34	µg/Kg-dry	1	4/26/2014 10:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-072
Collection Date: 4/14/2014 04:25 PM

Work Order: 1404759
Lab ID: 1404759-72
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		6.7	34	µg/Kg-dry	1	4/26/2014 10:44
Bromomethane	U		13	85	µg/Kg-dry	1	4/26/2014 10:44
Carbon disulfide	U		17	34	µg/Kg-dry	1	4/26/2014 10:44
Carbon tetrachloride	U		9.7	34	µg/Kg-dry	1	4/26/2014 10:44
Chlorobenzene	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
Chloroethane	U		72	110	µg/Kg-dry	1	4/26/2014 10:44
Chloroform	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
Chloromethane	U		19	110	µg/Kg-dry	1	4/26/2014 10:44
cis-1,2-Dichloroethene	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
cis-1,3-Dichloropropene	U		12	34	µg/Kg-dry	1	4/26/2014 10:44
Cyclohexane	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
Dibromochloromethane	U		6.3	34	µg/Kg-dry	1	4/26/2014 10:44
Dichlorodifluoromethane	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
Ethylbenzene	**45**		**13**	**34**	**µg/Kg-dry**	1	4/26/2014 10:44
Isopropylbenzene	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
Methyl acetate	**960**		**46**	**230**	**µg/Kg-dry**	1	4/26/2014 10:44
Methyl tert-butyl ether	U		14	34	µg/Kg-dry	1	4/26/2014 10:44
Methylcyclohexane	**300**		**16**	**34**	**µg/Kg-dry**	1	4/26/2014 10:44
Methylene chloride	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
Styrene	U		13	34	µg/Kg-dry	1	4/26/2014 10:44
Tetrachloroethene	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
Toluene	**230**		**13**	**34**	**µg/Kg-dry**	1	4/26/2014 10:44
trans-1,2-Dichloroethene	U		10	34	µg/Kg-dry	1	4/26/2014 10:44
trans-1,3-Dichloropropene	U		11	34	µg/Kg-dry	1	4/26/2014 10:44
Trichloroethene	U		16	34	µg/Kg-dry	1	4/26/2014 10:44
Trichlorofluoromethane	U		9.3	34	µg/Kg-dry	1	4/26/2014 10:44
Vinyl chloride	U		15	34	µg/Kg-dry	1	4/26/2014 10:44
Xylenes, Total	**330**		**40**	**100**	**µg/Kg-dry**	1	4/26/2014 10:44
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-130*	*%REC*	1	4/26/2014 10:44
Surr: 4-Bromofluorobenzene	*96.2*			*70-130*	*%REC*	1	4/26/2014 10:44
Surr: Dibromofluoromethane	*97.6*			*70-130*	*%REC*	1	4/26/2014 10:44
Surr: Toluene-d8	*101*			*70-130*	*%REC*	1	4/26/2014 10:44
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139111							
Moisture	**12**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-073
Collection Date: 4/14/2014 04:27 PM

Work Order: 1404759
Lab ID: 1404759-73
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		120	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1221	U		120	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1232	U		120	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1242	U		120	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1248	U		120	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1254	U		79	220	µg/Kg-dry	1	4/24/2014 11:34
Aroclor 1260	U		79	220	µg/Kg-dry	1	4/24/2014 11:34
Surr: Decachlorobiphenyl	*76.1*			*40-140*	*%REC*	1	4/24/2014 11:34
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58038							
Mercury	**0.0058**	J	**0.0020**	**0.10**	**mg/Kg-dry**	1	4/28/2014 20:26
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.46**	J	**0.021**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Arsenic	**7.0**		**0.73**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Barium	**190**		**0.15**	**5.3**	**mg/Kg-dry**	5	4/28/2014 11:03
Beryllium	**0.11**	J	**0.043**	**2.1**	**mg/Kg-dry**	5	4/28/2014 11:03
Cadmium	**0.31**	J	**0.021**	**2.1**	**mg/Kg-dry**	5	4/28/2014 11:03
Chromium	**4.3**	J	**0.87**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Cobalt	**1.4**	J	**0.021**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Copper	**8.0**		**1.0**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Iron	**9,100**		**18**	**85**	**mg/Kg-dry**	5	4/27/2014 02:28
Lead	**1.1**	J	**0.021**	**5.3**	**mg/Kg-dry**	5	4/28/2014 11:03
Manganese	**96**		**0.47**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Molybdenum	**5.3**	J	**0.23**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Nickel	**6.4**		**0.53**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Selenium	**2.9**	J	**0.68**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Silver	**0.022**	J	**0.021**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Thallium	**0.17**	J	**0.13**	**5.3**	**mg/Kg-dry**	5	4/28/2014 11:03
Vanadium	**11**		**0.32**	**5.3**	**mg/Kg-dry**	5	4/27/2014 02:28
Zinc	**14**		**0.45**	**11**	**mg/Kg-dry**	5	4/27/2014 02:28
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/22/14		Analyst: **RM**
BatchID: 57854							
2-Methylnaphthalene	U		7.4	18	µg/Kg-dry	1	4/24/2014 18:02
Acenaphthene	U		2.7	18	µg/Kg-dry	1	4/24/2014 18:02
Acenaphthylene	U		3.2	18	µg/Kg-dry	1	4/24/2014 18:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-073
Collection Date: 4/14/2014 04:27 PM

Work Order: 1404759
Lab ID: 1404759-73
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		3.5	18	µg/Kg-dry	1	4/24/2014 18:02
Benzo(a)anthracene	U		3.5	18	µg/Kg-dry	1	4/24/2014 18:02
Benzo(a)pyrene	U		5.8	18	µg/Kg-dry	1	4/24/2014 18:02
Benzo(b)fluoranthene	U		5.2	18	µg/Kg-dry	1	4/24/2014 18:02
Benzo(g,h,i)perylene	U		7.0	18	µg/Kg-dry	1	4/24/2014 18:02
Benzo(k)fluoranthene	U		3.8	18	µg/Kg-dry	1	4/24/2014 18:02
Chrysene	U		4.2	18	µg/Kg-dry	1	4/24/2014 18:02
Dibenzo(a,h)anthracene	U		6.6	18	µg/Kg-dry	1	4/24/2014 18:02
Fluoranthene	U		6.2	18	µg/Kg-dry	1	4/24/2014 18:02
Fluorene	U		6.0	18	µg/Kg-dry	1	4/24/2014 18:02
Indeno(1,2,3-cd)pyrene	U		5.9	18	µg/Kg-dry	1	4/24/2014 18:02
Naphthalene	U		6.5	18	µg/Kg-dry	1	4/24/2014 18:02
Phenanthrene	U		3.6	18	µg/Kg-dry	1	4/24/2014 18:02
Pyrene	U		6.0	18	µg/Kg-dry	1	4/24/2014 18:02
Surr: 2-Fluorobiphenyl	*52.4*			*12-100*	*%REC*	1	4/24/2014 18:02
Surr: 4-Terphenyl-d14	*60.5*			*25-137*	*%REC*	1	4/24/2014 18:02
Surr: Nitrobenzene-d5	*50.5*			*37-107*	*%REC*	1	4/24/2014 18:02
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		45	120	µg/Kg-dry	1	4/26/2014 11:08
1,1,2,2-Tetrachloroethane	U		52	120	µg/Kg-dry	1	4/26/2014 11:08
1,1,2-Trichloroethane	U		42	120	µg/Kg-dry	1	4/26/2014 11:08
1,1,2-Trichlorotrifluoroethane	U		44	120	µg/Kg-dry	1	4/26/2014 11:08
1,1-Dichloroethane	U		43	120	µg/Kg-dry	1	4/26/2014 11:08
1,1-Dichloroethene	U		50	120	µg/Kg-dry	1	4/26/2014 11:08
1,2,4-Trichlorobenzene	U		61	120	µg/Kg-dry	1	4/26/2014 11:08
1,2-Dibromo-3-chloropropane	U		58	120	µg/Kg-dry	1	4/26/2014 11:08
1,2-Dibromoethane	U		47	120	µg/Kg-dry	1	4/26/2014 11:08
1,2-Dichlorobenzene	U		47	120	µg/Kg-dry	1	4/26/2014 11:08
1,2-Dichloroethane	U		56	120	µg/Kg-dry	1	4/26/2014 11:08
1,2-Dichloropropane	U		39	120	µg/Kg-dry	1	4/26/2014 11:08
1,3-Dichlorobenzene	U		48	120	µg/Kg-dry	1	4/26/2014 11:08
1,4-Dichlorobenzene	U		45	120	µg/Kg-dry	1	4/26/2014 11:08
2-Butanone	U		290	790	µg/Kg-dry	1	4/26/2014 11:08
2-Hexanone	U		29	120	µg/Kg-dry	1	4/26/2014 11:08
4-Methyl-2-pentanone	U		40	120	µg/Kg-dry	1	4/26/2014 11:08
Acetone	U		250	400	µg/Kg-dry	1	4/26/2014 11:08
Benzene	U		48	120	µg/Kg-dry	1	4/26/2014 11:08
Bromodichloromethane	U		27	120	µg/Kg-dry	1	4/26/2014 11:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-073
Collection Date: 4/14/2014 04:27 PM

Work Order: 1404759
Lab ID: 1404759-73
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		23	120	µg/Kg-dry	1	4/26/2014 11:08
Bromomethane	U		45	300	µg/Kg-dry	1	4/26/2014 11:08
Carbon disulfide	U		59	120	µg/Kg-dry	1	4/26/2014 11:08
Carbon tetrachloride	U		34	120	µg/Kg-dry	1	4/26/2014 11:08
Chlorobenzene	U		48	120	µg/Kg-dry	1	4/26/2014 11:08
Chloroethane	U		250	400	µg/Kg-dry	1	4/26/2014 11:08
Chloroform	U		49	120	µg/Kg-dry	1	4/26/2014 11:08
Chloromethane	U		66	400	µg/Kg-dry	1	4/26/2014 11:08
cis-1,2-Dichloroethene	U		48	120	µg/Kg-dry	1	4/26/2014 11:08
cis-1,3-Dichloropropene	U		41	120	µg/Kg-dry	1	4/26/2014 11:08
Cyclohexane	U		53	120	µg/Kg-dry	1	4/26/2014 11:08
Dibromochloromethane	U		22	120	µg/Kg-dry	1	4/26/2014 11:08
Dichlorodifluoromethane	U		54	120	µg/Kg-dry	1	4/26/2014 11:08
Ethylbenzene	U		44	120	µg/Kg-dry	1	4/26/2014 11:08
Isopropylbenzene	U		51	120	µg/Kg-dry	1	4/26/2014 11:08
Methyl acetate	**4,200**		**160**	**790**	**µg/Kg-dry**	1	4/26/2014 11:08
Methyl tert-butyl ether	U		50	120	µg/Kg-dry	1	4/26/2014 11:08
Methylcyclohexane	U		55	120	µg/Kg-dry	1	4/26/2014 11:08
Methylene chloride	U		47	120	µg/Kg-dry	1	4/26/2014 11:08
Styrene	U		44	120	µg/Kg-dry	1	4/26/2014 11:08
Tetrachloroethene	U		53	120	µg/Kg-dry	1	4/26/2014 11:08
Toluene	U		45	120	µg/Kg-dry	1	4/26/2014 11:08
trans-1,2-Dichloroethene	U		37	120	µg/Kg-dry	1	4/26/2014 11:08
trans-1,3-Dichloropropene	U		40	120	µg/Kg-dry	1	4/26/2014 11:08
Trichloroethene	U		55	120	µg/Kg-dry	1	4/26/2014 11:08
Trichlorofluoromethane	U		33	120	µg/Kg-dry	1	4/26/2014 11:08
Vinyl chloride	U		54	120	µg/Kg-dry	1	4/26/2014 11:08
Xylenes, Total	U		140	360	µg/Kg-dry	1	4/26/2014 11:08
Surr: 1,2-Dichloroethane-d4	*96.2*			*70-130*	*%REC*	1	4/26/2014 11:08
Surr: 4-Bromofluorobenzene	*93.4*			*70-130*	*%REC*	1	4/26/2014 11:08
Surr: Dibromofluoromethane	*97.0*			*70-130*	*%REC*	1	4/26/2014 11:08
Surr: Toluene-d8	*100*			*70-130*	*%REC*	1	4/26/2014 11:08
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139111							
Moisture	**63**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-074
Collection Date: 4/14/2014 04:30 PM

Work Order: 1404759
Lab ID: 1404759-74
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep: SW3541 / 4/23/14		Analyst: **JD**
BatchID: 57891							
Aroclor 1016	U		71	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1221	U		71	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1232	U		71	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1242	U		71	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1248	U		71	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1254	U		46	130	µg/Kg-dry	1	4/24/2014 11:50
Aroclor 1260	U		46	130	µg/Kg-dry	1	4/24/2014 11:50
Surr: Decachlorobiphenyl	*96.1*			*40-140*	*%REC*	1	4/24/2014 11:50
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 4/28/14		Analyst: **LR**
BatchID: 58038							
Mercury	**0.0042**	J	**0.0011**	**0.054**	**mg/Kg-dry**	1	4/28/2014 20:28
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/24/14		Analyst: **ML**
BatchID: 57913							
Antimony	**0.13**	J	**0.0097**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Arsenic	**2.4**		**0.33**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Barium	**29**		**0.068**	**2.4**	**mg/Kg-dry**	5	4/28/2014 11:09
Beryllium	**0.13**	J	**0.019**	**0.97**	**mg/Kg-dry**	5	4/28/2014 11:09
Cadmium	**0.14**	J	**0.0097**	**0.97**	**mg/Kg-dry**	5	4/28/2014 11:09
Chromium	**7.0**		**0.40**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Cobalt	**2.4**	J	**0.0097**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Copper	**10**		**0.48**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Iron	**4,700**		**8.1**	**39**	**mg/Kg-dry**	5	4/27/2014 02:34
Lead	**2.7**		**0.0097**	**2.4**	**mg/Kg-dry**	5	4/28/2014 11:09
Manganese	**46**		**0.21**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Molybdenum	**0.88**	J	**0.11**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Nickel	**7.4**		**0.24**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Selenium	**1.1**	J	**0.31**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Silver	**0.012**	J	**0.0097**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Thallium	**0.064**	J	**0.058**	**2.4**	**mg/Kg-dry**	5	4/28/2014 11:09
Vanadium	**12**		**0.15**	**2.4**	**mg/Kg-dry**	5	4/27/2014 02:34
Zinc	**15**		**0.20**	**4.9**	**mg/Kg-dry**	5	4/27/2014 02:34
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 4/23/14		Analyst: **RM**
BatchID: 57883							
2-Methylnaphthalene	U		4.1	9.9	µg/Kg-dry	1	4/24/2014 14:59
Acenaphthene	U		1.5	9.9	µg/Kg-dry	1	4/24/2014 14:59
Acenaphthylene	U		1.8	9.9	µg/Kg-dry	1	4/24/2014 14:59

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-074
Collection Date: 4/14/2014 04:30 PM

Work Order: 1404759
Lab ID: 1404759-74
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Anthracene	U		2.0	9.9	µg/Kg-dry	1	4/24/2014 14:59
Benzo(a)anthracene	U		2.0	9.9	µg/Kg-dry	1	4/24/2014 14:59
Benzo(a)pyrene	U		3.2	9.9	µg/Kg-dry	1	4/24/2014 14:59
Benzo(b)fluoranthene	U		2.9	9.9	µg/Kg-dry	1	4/24/2014 14:59
Benzo(g,h,i)perylene	U		3.9	9.9	µg/Kg-dry	1	4/24/2014 14:59
Benzo(k)fluoranthene	U		2.1	9.9	µg/Kg-dry	1	4/24/2014 14:59
Chrysene	U		2.4	9.9	µg/Kg-dry	1	4/24/2014 14:59
Dibenzo(a,h)anthracene	U		3.7	9.9	µg/Kg-dry	1	4/24/2014 14:59
Fluoranthene	U		3.5	9.9	µg/Kg-dry	1	4/24/2014 14:59
Fluorene	U		3.3	9.9	µg/Kg-dry	1	4/24/2014 14:59
Indeno(1,2,3-cd)pyrene	U		3.3	9.9	µg/Kg-dry	1	4/24/2014 14:59
Naphthalene	U		3.6	9.9	µg/Kg-dry	1	4/24/2014 14:59
Phenanthrene	U		2.0	9.9	µg/Kg-dry	1	4/24/2014 14:59
Pyrene	U		3.4	9.9	µg/Kg-dry	1	4/24/2014 14:59
Surr: 2-Fluorobiphenyl	*58.8*			*12-100*	*%REC*	1	4/24/2014 14:59
Surr: 4-Terphenyl-d14	*83.2*			*25-137*	*%REC*	1	4/24/2014 14:59
Surr: Nitrobenzene-d5	*53.8*			*37-107*	*%REC*	1	4/24/2014 14:59
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/24/14		Analyst: **AK**
BatchID: 57933							
1,1,1-Trichloroethane	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
1,1,2,2-Tetrachloroethane	U		25	56	µg/Kg-dry	1	4/26/2014 11:32
1,1,2-Trichloroethane	U		20	56	µg/Kg-dry	1	4/26/2014 11:32
1,1,2-Trichlorotrifluoroethane	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
1,1-Dichloroethane	U		20	56	µg/Kg-dry	1	4/26/2014 11:32
1,1-Dichloroethene	U		23	56	µg/Kg-dry	1	4/26/2014 11:32
1,2,4-Trichlorobenzene	U		29	56	µg/Kg-dry	1	4/26/2014 11:32
1,2-Dibromo-3-chloropropane	U		27	56	µg/Kg-dry	1	4/26/2014 11:32
1,2-Dibromoethane	U		22	56	µg/Kg-dry	1	4/26/2014 11:32
1,2-Dichlorobenzene	U		22	56	µg/Kg-dry	1	4/26/2014 11:32
1,2-Dichloroethane	U		26	56	µg/Kg-dry	1	4/26/2014 11:32
1,2-Dichloropropane	U		18	56	µg/Kg-dry	1	4/26/2014 11:32
1,3-Dichlorobenzene	U		22	56	µg/Kg-dry	1	4/26/2014 11:32
1,4-Dichlorobenzene	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
2-Butanone	U		140	370	µg/Kg-dry	1	4/26/2014 11:32
2-Hexanone	U		14	56	µg/Kg-dry	1	4/26/2014 11:32
4-Methyl-2-pentanone	U		19	56	µg/Kg-dry	1	4/26/2014 11:32
Acetone	U		120	190	µg/Kg-dry	1	4/26/2014 11:32
Benzene	U		22	56	µg/Kg-dry	1	4/26/2014 11:32
Bromodichloromethane	U		13	56	µg/Kg-dry	1	4/26/2014 11:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SO-17360-041414-DR-074
Collection Date: 4/14/2014 04:30 PM

Work Order: 1404759
Lab ID: 1404759-74
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		11	56	µg/Kg-dry	1	4/26/2014 11:32
Bromomethane	U		21	140	µg/Kg-dry	1	4/26/2014 11:32
Carbon disulfide	U		28	56	µg/Kg-dry	1	4/26/2014 11:32
Carbon tetrachloride	U		16	56	µg/Kg-dry	1	4/26/2014 11:32
Chlorobenzene	U		23	56	µg/Kg-dry	1	4/26/2014 11:32
Chloroethane	U		120	190	µg/Kg-dry	1	4/26/2014 11:32
Chloroform	U		23	56	µg/Kg-dry	1	4/26/2014 11:32
Chloromethane	U		31	190	µg/Kg-dry	1	4/26/2014 11:32
cis-1,2-Dichloroethene	U		23	56	µg/Kg-dry	1	4/26/2014 11:32
cis-1,3-Dichloropropene	U		19	56	µg/Kg-dry	1	4/26/2014 11:32
Cyclohexane	U		25	56	µg/Kg-dry	1	4/26/2014 11:32
Dibromochloromethane	U		10	56	µg/Kg-dry	1	4/26/2014 11:32
Dichlorodifluoromethane	U		25	56	µg/Kg-dry	1	4/26/2014 11:32
Ethylbenzene	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
Isopropylbenzene	U		24	56	µg/Kg-dry	1	4/26/2014 11:32
Methyl acetate	**2,000**		**75**	**370**	**µg/Kg-dry**	1	4/26/2014 11:32
Methyl tert-butyl ether	U		24	56	µg/Kg-dry	1	4/26/2014 11:32
Methylcyclohexane	U		26	56	µg/Kg-dry	1	4/26/2014 11:32
Methylene chloride	U		22	56	µg/Kg-dry	1	4/26/2014 11:32
Styrene	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
Tetrachloroethene	U		25	56	µg/Kg-dry	1	4/26/2014 11:32
Toluene	U		21	56	µg/Kg-dry	1	4/26/2014 11:32
trans-1,2-Dichloroethene	U		17	56	µg/Kg-dry	1	4/26/2014 11:32
trans-1,3-Dichloropropene	U		19	56	µg/Kg-dry	1	4/26/2014 11:32
Trichloroethene	U		26	56	µg/Kg-dry	1	4/26/2014 11:32
Trichlorofluoromethane	U		15	56	µg/Kg-dry	1	4/26/2014 11:32
Vinyl chloride	U		25	56	µg/Kg-dry	1	4/26/2014 11:32
Xylenes, Total	U		66	170	µg/Kg-dry	1	4/26/2014 11:32
Surr: 1,2-Dichloroethane-d4	*97.8*			*70-130*	*%REC*	1	4/26/2014 11:32
Surr: 4-Bromofluorobenzene	*93.4*			*70-130*	*%REC*	1	4/26/2014 11:32
Surr: Dibromofluoromethane	*100*			*70-130*	*%REC*	1	4/26/2014 11:32
Surr: Toluene-d8	*99.7*			*70-130*	*%REC*	1	4/26/2014 11:32
MOISTURE			**A2540 G**				Analyst: **AT**
BatchID: R139111							
Moisture	**34**		**0.025**	**0.050**	**% of sample**	1	4/16/2014 19:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: TB-17360-041414
Collection Date: 4/14/2014

Work Order: 1404759
Lab ID: 1404759-75
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 4/23/14		Analyst: **RS**
BatchID: 57896							
1,1,1-Trichloroethane	U		11	30	µg/Kg	1	4/25/2014 01:34
1,1,2,2-Tetrachloroethane	U		13	30	µg/Kg	1	4/25/2014 01:34
1,1,2-Trichloroethane	U		11	30	µg/Kg	1	4/25/2014 01:34
1,1,2-Trichlorotrifluoroethane	U		11	30	µg/Kg	1	4/25/2014 01:34
1,1-Dichloroethane	U		11	30	µg/Kg	1	4/25/2014 01:34
1,1-Dichloroethene	U		13	30	µg/Kg	1	4/25/2014 01:34
1,2,4-Trichlorobenzene	U		16	30	µg/Kg	1	4/25/2014 01:34
1,2-Dibromo-3-chloropropane	U		15	30	µg/Kg	1	4/25/2014 01:34
1,2-Dibromoethane	U		12	30	µg/Kg	1	4/25/2014 01:34
1,2-Dichlorobenzene	U		12	30	µg/Kg	1	4/25/2014 01:34
1,2-Dichloroethane	U		14	30	µg/Kg	1	4/25/2014 01:34
1,2-Dichloropropane	U		9.9	30	µg/Kg	1	4/25/2014 01:34
1,3-Dichlorobenzene	U		12	30	µg/Kg	1	4/25/2014 01:34
1,4-Dichlorobenzene	U		11	30	µg/Kg	1	4/25/2014 01:34
2-Butanone	U		74	200	µg/Kg	1	4/25/2014 01:34
2-Hexanone	U		7.4	30	µg/Kg	1	4/25/2014 01:34
4-Methyl-2-pentanone	U		10	30	µg/Kg	1	4/25/2014 01:34
Acetone	U		64	100	µg/Kg	1	4/25/2014 01:34
Benzene	U		12	30	µg/Kg	1	4/25/2014 01:34
Bromodichloromethane	U		6.7	30	µg/Kg	1	4/25/2014 01:34
Bromoform	U		5.9	30	µg/Kg	1	4/25/2014 01:34
Bromomethane	U		11	75	µg/Kg	1	4/25/2014 01:34
Carbon disulfide	U		15	30	µg/Kg	1	4/25/2014 01:34
Carbon tetrachloride	U		8.5	30	µg/Kg	1	4/25/2014 01:34
Chlorobenzene	U		12	30	µg/Kg	1	4/25/2014 01:34
Chloroethane	U		64	100	µg/Kg	1	4/25/2014 01:34
Chloroform	U		12	30	µg/Kg	1	4/25/2014 01:34
Chloromethane	U		17	100	µg/Kg	1	4/25/2014 01:34
cis-1,2-Dichloroethene	U		12	30	µg/Kg	1	4/25/2014 01:34
cis-1,3-Dichloropropene	U		10	30	µg/Kg	1	4/25/2014 01:34
Cyclohexane	U		13	30	µg/Kg	1	4/25/2014 01:34
Dibromochloromethane	U		5.6	30	µg/Kg	1	4/25/2014 01:34
Dichlorodifluoromethane	U		14	30	µg/Kg	1	4/25/2014 01:34
Ethylbenzene	U		11	30	µg/Kg	1	4/25/2014 01:34
Isopropylbenzene	U		13	30	µg/Kg	1	4/25/2014 01:34
Methyl acetate	U		40	200	µg/Kg	1	4/25/2014 01:34
Methyl tert-butyl ether	U		13	30	µg/Kg	1	4/25/2014 01:34

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *30-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: TB-17360-041414
Collection Date: 4/14/2014

Work Order: 1404759
Lab ID: 1404759-75
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		14	30	µg/Kg	1	4/25/2014 01:34
Methylene chloride	U		12	30	µg/Kg	1	4/25/2014 01:34
Styrene	U		11	30	µg/Kg	1	4/25/2014 01:34
Tetrachloroethene	U		13	30	µg/Kg	1	4/25/2014 01:34
Toluene	U		11	30	µg/Kg	1	4/25/2014 01:34
trans-1,2-Dichloroethene	U		9.2	30	µg/Kg	1	4/25/2014 01:34
trans-1,3-Dichloropropene	U		10	30	µg/Kg	1	4/25/2014 01:34
Trichloroethene	U		14	30	µg/Kg	1	4/25/2014 01:34
Trichlorofluoromethane	U		8.3	30	µg/Kg	1	4/25/2014 01:34
Vinyl chloride	U		14	30	µg/Kg	1	4/25/2014 01:34
Xylenes, Total	U		35	90	µg/Kg	1	4/25/2014 01:34
Surr: 1,2-Dichloroethane-d4	*97.5*			*70-130*	*%REC*	1	4/25/2014 01:34
Surr: 4-Bromofluorobenzene	*97.8*			*70-130*	*%REC*	1	4/25/2014 01:34
Surr: Dibromofluoromethane	*91.6*			*70-130*	*%REC*	1	4/25/2014 01:34
Surr: Toluene-d8	*98.4*			*70-130*	*%REC*	1	4/25/2014 01:34

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Apr-14

Client: Conestoga-Rovers & Associates

QC BATCH REPORT

Work Order: 1404759

Project: Former GRMP (017360-T02Y14-01Y14)

Batch ID: **57648** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57648-57648** Units: **µg/Kg** Analysis Date: **4/18/2014 02:03 AM**

Client ID: Run ID: **GC14_140417B** SeqNo: **2722931** Prep Date: **4/17/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*34.33*	0	*33.3*	0	*103*	*40-140*	0			

LCS Sample ID: **PLCSS1-57648-57648** Units: **µg/Kg** Analysis Date: **4/18/2014 02:19 AM**

Client ID: Run ID: **GC14_140417B** SeqNo: **2722932** Prep Date: **4/17/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	951.3	83	833	0	114	50-130	0			
Aroclor 1260	969	83	833	0	116	50-130	0			
Surr: Decachlorobiphenyl	*35.33*	0	*33.3*	0	*106*	*40-140*	0			

MS Sample ID: **1404758-07C MS** Units: **µg/Kg** Analysis Date: **4/18/2014 02:51 AM**

Client ID: Run ID: **GC14_140417B** SeqNo: **2722934** Prep Date: **4/17/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	947.2	80	801.3	0	118	40-140	0			
Aroclor 1260	941.8	80	801.3	0	118	40-140	0			
Surr: Decachlorobiphenyl	*34.63*	0	*32.03*	0	*108*	*40-140*	0			

MSD Sample ID: **1404758-07C MSD** Units: **µg/Kg** Analysis Date: **4/18/2014 03:07 AM**

Client ID: Run ID: **GC14_140417B** SeqNo: **2722935** Prep Date: **4/17/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	951.8	82	824.2	0	115	40-140	947.2	0.481	50	
Aroclor 1260	944.2	82	824.2	0	115	40-140	941.8	0.258	50	
Surr: Decachlorobiphenyl	*34.96*	0	*32.95*	0	*106*	*40-140*	34.63	*0.94*	*50*	

The following samples were analyzed in this batch:

1404759-01B	1404759-02B	1404759-03B
1404759-04B	1404759-05B	1404759-06B
1404759-07B	1404759-08B	1404759-09B
1404759-10B	1404759-11B	1404759-12B
1404759-13B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57692** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57692-57692** Units: **µg/Kg** Analysis Date: **4/18/2014 03:11 PM**
Client ID: Run ID: **GC14_140418A** SeqNo: **2723702** Prep Date: **4/18/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*32.33*	0	*33.3*	0	*97.1*	*40-140*	0			

LCS Sample ID: **PLCSS1-57692-57692** Units: **µg/Kg** Analysis Date: **4/18/2014 03:27 PM**
Client ID: Run ID: **GC14_140418A** SeqNo: **2723703** Prep Date: **4/18/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	824	83	833	0	98.9	50-130	0			
Aroclor 1260	841.3	83	833	0	101	50-130	0			
Surr: Decachlorobiphenyl	*32.67*	0	*33.3*	0	*98.1*	*40-140*	0			

MS Sample ID: **1404759-15B MS** Units: **µg/Kg** Analysis Date: **4/18/2014 04:16 PM**
Client ID: **SO-17360-041414-DR-015** Run ID: **GC14_140418A** SeqNo: **2723706** Prep Date: **4/18/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	781.8	82	821.2	0	95.2	40-140	0			
Aroclor 1260	806.4	82	821.2	0	98.2	40-140	0			
Surr: Decachlorobiphenyl	*26.29*	0	*32.83*	0	*80.1*	*40-140*	0			

MSD Sample ID: **1404759-15B MSD** Units: **µg/Kg** Analysis Date: **4/18/2014 04:32 PM**
Client ID: **SO-17360-041414-DR-015** Run ID: **GC14_140418A** SeqNo: **2723707** Prep Date: **4/18/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	776.4	81	807.4	0	96.2	40-140	781.8	0.697	50	
Aroclor 1260	801.9	81	807.4	0	99.3	40-140	806.4	0.566	50	
Surr: Decachlorobiphenyl	*29.08*	0	*32.28*	0	*90.1*	*40-140*	26.29	*10.1*	*50*	

The following samples were analyzed in this batch:

1404759-14B	1404759-15B	1404759-16B
1404759-17B	1404759-18B	1404759-19B
1404759-20B	1404759-21B	1404759-22B
1404759-23B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57847** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57847-57847** Units: **µg/Kg** Analysis Date: **4/22/2014 07:08 PM**
Client ID: Run ID: **GC14_140422B** SeqNo: **2729269** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*32*	0	*33.3*	0	*96.1*	*40-140*	0			

LCS Sample ID: **PLCSS1-57847-57847** Units: **µg/Kg** Analysis Date: **4/22/2014 07:25 PM**
Client ID: Run ID: **GC14_140422B** SeqNo: **2729270** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	910	83	833	0	109	50-130	0			
Aroclor 1260	945.3	83	833	0	113	50-130	0			
Surr: Decachlorobiphenyl	*33.33*	0	*33.3*	0	*100*	*40-140*	0			

MS Sample ID: **1404759-38B MS** Units: **µg/Kg** Analysis Date: **4/23/2014 12:16 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **GC14_140422B** SeqNo: **2729286** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	868.3	82	818.9	0	106	40-140	0			
Aroclor 1260	903.1	82	818.9	0	110	40-140	0			
Surr: Decachlorobiphenyl	*32.77*	0	*32.73*	0	*100*	*40-140*	0			

MSD Sample ID: **1404759-38B MSD** Units: **µg/Kg** Analysis Date: **4/23/2014 12:32 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **GC14_140422B** SeqNo: **2729287** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	873.2	81	811.8	0	108	40-140	868.3	0.556	50	
Aroclor 1260	856.9	81	811.8	0	106	40-140	903.1	5.24	50	
Surr: Decachlorobiphenyl	*30.86*	0	*32.45*	0	*95.1*	*40-140*	32.77	*6*	*50*	

The following samples were analyzed in this batch:

1404759-24B	1404759-25B	1404759-26B
1404759-27B	1404759-28B	1404759-29B
1404759-30B	1404759-31B	1404759-32B
1404759-33B	1404759-34B	1404759-35B
1404759-36B	1404759-37B	1404759-38B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57870** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57870-57870** Units: **µg/Kg** Analysis Date: **4/23/2014 11:31 AM**
Client ID: Run ID: **GC14_140423A** SeqNo: **2729418** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*31.33*	0	*33.3*	0	*94.1*	*40-140*	0			

LCS Sample ID: **PLCSS1-57870-57870** Units: **µg/Kg** Analysis Date: **4/23/2014 11:47 AM**
Client ID: Run ID: **GC14_140423A** SeqNo: **2729419** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	853.7	83	833	0	102	50-130	0			
Aroclor 1260	857.3	83	833	0	103	50-130	0			
Surr: Decachlorobiphenyl	*30.67*	0	*33.3*	0	*92.1*	*40-140*	0			

MS Sample ID: **1404759-51B MS** Units: **µg/Kg** Analysis Date: **4/23/2014 03:50 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **GC14_140423A** SeqNo: **2729433** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	877.9	81	810.8	0	108	40-140	0			
Aroclor 1260	902.3	81	810.8	0	111	40-140	0			
Surr: Decachlorobiphenyl	*32.12*	0	*32.41*	0	*99.1*	*40-140*	0			

MSD Sample ID: **1404759-51B MSD** Units: **µg/Kg** Analysis Date: **4/23/2014 04:06 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **GC14_140423A** SeqNo: **2729434** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	822.8	79	794.2	0	104	40-140	877.9	6.49	50	
Aroclor 1260	852.7	79	794.2	0	107	40-140	902.3	5.65	50	
Surr: Decachlorobiphenyl	*29.56*	0	*31.75*	0	*93.1*	*40-140*	32.12	*8.32*	*50*	

The following samples were analyzed in this batch:

1404759-39B	1404759-40B	1404759-41B
1404759-42B	1404759-43B	1404759-44B
1404759-45B	1404759-46B	1404759-47B
1404759-48B	1404759-49B	1404759-50B
1404759-51B	1404759-52B	1404759-53B
1404759-54B	1404759-55B	1404759-56B
1404759-57B	1404759-58B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57891** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57891-57891** Units: **µg/Kg** Analysis Date: **4/24/2014 09:25 AM**
Client ID: Run ID: **GC14_140424A** SeqNo: **2736368** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*37.33*	0	*33.3*	0	*112*	*40-140*	0			

LCS Sample ID: **PLCSS1-57891-57891** Units: **µg/Kg** Analysis Date: **4/24/2014 09:41 AM**
Client ID: Run ID: **GC14_140424A** SeqNo: **2736369** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	898	83	833	0	108	50-130	0			
Aroclor 1260	894.3	83	833	0	107	50-130	0			
Surr: Decachlorobiphenyl	*37*	0	*33.3*	0	*111*	*40-140*	0			

MS Sample ID: **1404759-71B MS** Units: **µg/Kg** Analysis Date: **4/24/2014 10:46 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **GC14_140424A** SeqNo: **2736373** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	794.2	80	802.9	0	98.9	40-140	0			
Aroclor 1260	776.5	80	802.9	0	96.7	40-140	0			
Surr: Decachlorobiphenyl	*31.81*	0	*32.1*	0	*99.1*	*40-140*	0			

MSD Sample ID: **1404759-71B MSD** Units: **µg/Kg** Analysis Date: **4/24/2014 11:02 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **GC14_140424A** SeqNo: **2736374** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	789.9	80	796.9	0	99.1	40-140	794.2	0.541	50	
Aroclor 1260	793.4	80	796.9	0	99.6	40-140	776.5	2.15	50	
Surr: Decachlorobiphenyl	*31.57*	0	*31.86*	0	*99.1*	*40-140*	31.81	*0.743*	*50*	

The following samples were analyzed in this batch:

1404759-69B	1404759-70B	1404759-71B
1404759-72B	1404759-73B	1404759-74B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57911** Instrument ID **GC14** Method: **SW8082**

MBLK Sample ID: **PBLKS1-57911-57911** Units: **µg/Kg** Analysis Date: **4/25/2014 08:29 AM**
Client ID: Run ID: **GC14_140425A** SeqNo: **2736831** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	83								
Aroclor 1221	U	83								
Aroclor 1232	U	83								
Aroclor 1242	U	83								
Aroclor 1248	U	83								
Aroclor 1254	U	83								
Aroclor 1260	U	83								
Surr: Decachlorobiphenyl	*35.67*	0	*33.3*	0	*107*	*40-140*	0			

LCS Sample ID: **PLCSS1-57911-57911** Units: **µg/Kg** Analysis Date: **4/25/2014 08:45 AM**
Client ID: Run ID: **GC14_140425A** SeqNo: **2736834** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	910	83	833	0	109	50-130	0			
Aroclor 1260	899.3	83	833	0	108	50-130	0			
Surr: Decachlorobiphenyl	*36*	0	*33.3*	0	*108*	*40-140*	0			

MS Sample ID: **1404759-59B MS** Units: **µg/Kg** Analysis Date: **4/25/2014 09:18 AM**
Client ID: **SO-17360-041414-DR-059** Run ID: **GC14_140425A** SeqNo: **2736838** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	846.3	80	803.2	0	105	40-140	0			
Aroclor 1260	815.8	80	803.2	0	102	40-140	0			
Surr: Decachlorobiphenyl	*35.36*	0	*32.11*	0	*110*	*40-140*	0			

MSD Sample ID: **1404759-59B MSD** Units: **µg/Kg** Analysis Date: **4/25/2014 09:34 AM**
Client ID: **SO-17360-041414-DR-059** Run ID: **GC14_140425A** SeqNo: **2736840** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	851	81	808.3	0	105	40-140	846.3	0.556	50	
Aroclor 1260	813.8	81	808.3	0	101	40-140	815.8	0.239	50	
Surr: Decachlorobiphenyl	*34.29*	0	*32.31*	0	*106*	*40-140*	35.36	*3.07*	*50*	

The following samples were analyzed in this batch:

1404759-59B	1404759-60B	1404759-61B
1404759-62B	1404759-63B	1404759-64B
1404759-65B	1404759-66B	1404759-67B
1404759-68B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57966** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-57966-57966** Units: **mg/Kg** Analysis Date: **4/27/2014 08:02 PM**
Client ID: Run ID: **HG1_140427A** SeqNo: **2732881** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-57966-57966** Units: **mg/Kg** Analysis Date: **4/27/2014 08:04 PM**
Client ID: Run ID: **HG1_140427A** SeqNo: **2732882** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1824	0.020	0.1665	0	110	80-120	0			

MS Sample ID: **1404759-06BMS** Units: **mg/Kg** Analysis Date: **4/27/2014 08:45 PM**
Client ID: **SO-17360-041414-DR-006** Run ID: **HG1_140427A** SeqNo: **2732899** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1538	0.015	0.1284	0.007591	114	75-125	0			

MSD Sample ID: **1404759-06BMSD** Units: **mg/Kg** Analysis Date: **4/27/2014 08:55 PM**
Client ID: **SO-17360-041414-DR-006** Run ID: **HG1_140427A** SeqNo: **2732903** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1462	0.015	0.1273	0.007591	109	75-125	0.1538	5.03	35	

The following samples were analyzed in this batch:

1404759-01B	1404759-02B	1404759-03B
1404759-04B	1404759-05B	1404759-06B
1404759-07B	1404759-08B	1404759-09B
1404759-10B	1404759-11B	1404759-12B
1404759-13B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **58006** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-58006-58006** Units: **mg/Kg** Analysis Date: **4/28/2014 09:39 AM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2733879** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-58006-58006** Units: **mg/Kg** Analysis Date: **4/28/2014 09:41 AM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2733880** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1664	0.020	0.1665	0	99.9	80-120	0			

MS Sample ID: **1404759-38BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 10:43 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **HG1_140428A** SeqNo: **2733907** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1288	0.014	0.1181	0.01539	96.1	75-125	0			

MSD Sample ID: **1404759-38BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 10:45 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **HG1_140428A** SeqNo: **2733908** Prep Date: **4/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1327	0.014	0.1162	0.01539	101	75-125	0.1288	2.98	35	

The following samples were analyzed in this batch:

1404759-14B	1404759-15B	1404759-16B
1404759-17B	1404759-18B	1404759-19B
1404759-20B	1404759-21B	1404759-22B
1404759-23B	1404759-24B	1404759-25B
1404759-26B	1404759-27B	1404759-28B
1404759-29B	1404759-30B	1404759-31B
1404759-32B	1404759-38B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **58007** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-58007-58007** Units: **mg/Kg** Analysis Date: **4/28/2014 01:15 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734144** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-58007-58007** Units: **mg/Kg** Analysis Date: **4/28/2014 01:24 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734148** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1725	0.020	0.1665	0	104	80-120	0			

MS Sample ID: **1404759-51BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 02:43 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **HG1_140428A** SeqNo: **2734704** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1389	0.015	0.1284	0.001724	107	75-125	0			

MSD Sample ID: **1404759-51BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 02:52 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **HG1_140428A** SeqNo: **2734708** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1338	0.015	0.1258	0.001724	105	75-125	0.1389	3.72	35	

The following samples were analyzed in this batch:

1404759-33B	1404759-34B	1404759-35B
1404759-36B	1404759-37B	1404759-39B
1404759-40B	1404759-41B	1404759-42B
1404759-43B	1404759-44B	1404759-45B
1404759-46B	1404759-47B	1404759-48B
1404759-49B	1404759-50B	1404759-51B
1404759-52B	1404759-53B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **58008** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-58008-58008** Units: **mg/Kg** Analysis Date: **4/28/2014 07:04 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734794** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-58008-58008** Units: **mg/Kg** Analysis Date: **4/28/2014 07:07 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734795** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1682	0.020	0.1665	0	101	80-120	0			

MS Sample ID: **1404759-59BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 07:23 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **HG1_140428A** SeqNo: **2734802** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1397	0.013	0.111	0.0307	98.2	75-125	0			

MSD Sample ID: **1404759-59BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 07:25 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **HG1_140428A** SeqNo: **2734803** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1545	0.014	0.1158	0.0307	107	75-125	0.1397	10.1	35	

The following samples were analyzed in this batch:

1404759-54B	1404759-55B	1404759-56B
1404759-57B	1404759-58B	1404759-59B
1404759-60B	1404759-61B	1404759-62B
1404759-63B	1404759-64B	1404759-65B
1404759-66B	1404759-67B	1404759-68B
1404759-69B	1404759-70B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **58038** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-58038-58038** Units: **mg/Kg** Analysis Date: **4/28/2014 08:12 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734821** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-58038-58038** Units: **mg/Kg** Analysis Date: **4/28/2014 08:14 PM**
Client ID: Run ID: **HG1_140428A** SeqNo: **2734822** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1682	0.020	0.1665	0	101	80-120	0			

MS Sample ID: **1404759-71BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 08:19 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **HG1_140428A** SeqNo: **2734824** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.143	0.016	0.1328	0.02827	86.3	75-125	0			

MSD Sample ID: **1404759-71BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 08:21 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **HG1_140428A** SeqNo: **2734825** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1576	0.016	0.132	0.02827	98	75-125	0.143	9.74	35	

The following samples were analyzed in this batch:

1404759-71B	1404759-72B	1404759-73B
1404759-74B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57819** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57819-57819** Units: **mg/Kg** Analysis Date: **4/24/2014 08:47 AM**
Client ID: Run ID: **ICPMS1_140423B** SeqNo: **2728551** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	0.0131	0.25								J
Beryllium	U	0.10								
Cadmium	U	0.10								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Lead	U	0.25								
Manganese	0.07735	0.25								J
Molybdenum	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	0.02498	0.50								J

MBLK Sample ID: **MBLK-57819-57819** Units: **mg/Kg** Analysis Date: **4/24/2014 10:46 PM**
Client ID: Run ID: **ICPMS1_140424A** SeqNo: **2729756** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	2.161	4.0								J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57819** Instrument ID **ICPMS1** Method: **SW6020A**

LCS Sample ID: **LCS-57819-57819** Units: **mg/Kg** Analysis Date: **4/24/2014 08:53 AM**
Client ID: Run ID: **ICPMS1_140423B** SeqNo: **2728552** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.537	0.25	5	0	90.7	80-120	0			
Arsenic	4.347	0.25	5	0	86.9	80-120	0			
Barium	4.798	0.25	5	0	96	80-120	0			
Beryllium	4.342	0.10	5	0	86.8	80-120	0			
Cadmium	4.544	0.10	5	0	90.9	80-120	0			
Chromium	4.85	0.25	5	0	97	80-120	0			
Cobalt	4.881	0.25	5	0	97.6	80-120	0			
Copper	4.768	0.25	5	0	95.4	80-120	0			
Lead	4.92	0.25	5	0	98.4	80-120	0			
Manganese	4.952	0.25	5	0	99	80-120	0			
Molybdenum	4.727	0.25	5	0	94.5	80-120	0			
Nickel	4.82	0.25	5	0	96.4	80-120	0			
Selenium	4.138	0.25	5	0	82.8	80-120	0			
Silver	4.659	0.25	5	0	93.2	80-120	0			
Thallium	4.712	0.25	5	0	94.2	80-120	0			
Vanadium	4.908	0.25	5	0	98.2	80-120	0			
Zinc	4.195	0.50	5	0	83.9	80-120	0			

LCS Sample ID: **LCS-57819-57819** Units: **mg/Kg** Analysis Date: **4/24/2014 10:52 PM**
Client ID: Run ID: **ICPMS1_140424A** SeqNo: **2729757** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	498.6	4.0	500	0	99.7	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57819** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1404759-06BMS** Units: **mg/Kg** Analysis Date: **4/24/2014 09:11 AM**
Client ID: **SO-17360-041414-DR-006** Run ID: **ICPMS1_140423B** SeqNo: **2728557** Prep Date: **4/21/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	6.351	1.7	6.64	0.09109	94.3	75-125	0			
Arsenic	8.798	1.7	6.64	1.655	108	75-125	0			
Barium	21.78	1.7	6.64	14.81	105	75-125	0			
Beryllium	6.826	0.66	6.64	0.1415	101	75-125	0			
Cadmium	7.062	0.66	6.64	0.06487	105	75-125	0			
Chromium	11.16	1.7	6.64	4.436	101	75-125	0			
Cobalt	8.396	1.7	6.64	2.148	94.1	75-125	0			
Copper	10.3	1.7	6.64	4.495	87.3	75-125	0			
Iron	5163	27	664	4749	62.2	75-125	0			BSO
Lead	12.15	1.7	6.64	4.772	111	75-125	0			
Manganese	102.7	1.7	6.64	112	-140	75-125	0			SO
Molybdenum	6.926	1.7	6.64	0.2015	101	75-125	0			
Nickel	11.13	1.7	6.64	4.245	104	75-125	0			
Selenium	6.564	1.7	6.64	0.4941	91.4	75-125	0			
Silver	6.401	1.7	6.64	0.006718	96.3	75-125	0			
Thallium	6.501	1.7	6.64	0.04809	97.2	75-125	0			
Vanadium	15.49	1.7	6.64	8.839	100	75-125	0			
Zinc	17.96	3.3	6.64	10.63	110	75-125	0			

MSD Sample ID: **1404759-06BMSD** Units: **mg/Kg** Analysis Date: **4/24/2014 09:17 AM**
Client ID: **SO-17360-041414-DR-006** Run ID: **ICPMS1_140423B** SeqNo: **2728558** Prep Date: **4/21/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	6.442	1.7	6.614	0.09109	96	75-125	6.351	1.42	25	
Arsenic	9.048	1.7	6.614	1.655	112	75-125	8.798	2.8	25	
Barium	21.92	1.7	6.614	14.81	107	75-125	21.78	0.634	25	
Beryllium	6.921	0.66	6.614	0.1415	103	75-125	6.826	1.39	25	
Cadmium	7.116	0.66	6.614	0.06487	107	75-125	7.062	0.771	25	
Chromium	11.86	1.7	6.614	4.436	112	75-125	11.16	6.11	25	
Cobalt	8.476	1.7	6.614	2.148	95.7	75-125	8.396	0.938	25	
Copper	10.68	1.7	6.614	4.495	93.5	75-125	10.3	3.68	25	
Iron	5397	26	661.4	4749	97.9	75-125	5163	4.43	25	BO
Lead	12.31	1.7	6.614	4.772	114	75-125	12.15	1.31	25	
Manganese	103.5	1.7	6.614	112	-129	75-125	102.7	0.76	25	SO
Molybdenum	7.146	1.7	6.614	0.2015	105	75-125	6.926	3.13	25	
Nickel	11.33	1.7	6.614	4.245	107	75-125	11.13	1.82	25	
Selenium	6.928	1.7	6.614	0.4941	97.3	75-125	6.564	5.4	25	
Silver	6.442	1.7	6.614	0.006718	97.3	75-125	6.401	0.634	25	
Thallium	6.802	1.7	6.614	0.04809	102	75-125	6.501	4.53	25	
Vanadium	15.76	1.7	6.614	8.839	105	75-125	15.49	1.74	25	
Zinc	18.18	3.3	6.614	10.63	114	75-125	17.96	1.22	25	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57819** Instrument ID **ICPMS1** Method: **SW6020A**

The following samples were analyzed in this batch:

1404759-01B	1404759-02B	1404759-03B
1404759-04B	1404759-05B	1404759-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57824** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57824-57824** Units: **mg/Kg** Analysis Date: **4/26/2014 06:38 AM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731599** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	0.02891	0.25								J
Beryllium	U	0.10								
Cadmium	U	0.10								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Lead	0.0447	0.25								J
Manganese	0.0618	0.25								J
Molybdenum	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	0.03788	0.50								J

MBLK Sample ID: **MBLK-57824-57824** Units: **mg/Kg** Analysis Date: **4/26/2014 05:50 PM**
Client ID: Run ID: **ICPMS1_140426A** SeqNo: **2732569** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	1.89	4.0								J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57824** Instrument ID **ICPMS1** Method: **SW6020A**

LCS Sample ID: **LCS-57824-57824** Units: **mg/Kg** Analysis Date: **4/26/2014 06:44 AM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731601** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.69	0.25	5	0	93.8	80-120	0			
Arsenic	4.53	0.25	5	0	90.6	80-120	0			
Barium	5.105	0.25	5	0	102	80-120	0			
Beryllium	4.45	0.10	5	0	89	80-120	0			
Cadmium	4.691	0.10	5	0	93.8	80-120	0			
Chromium	5	0.25	5	0	100	80-120	0			
Cobalt	4.996	0.25	5	0	99.9	80-120	0			
Copper	4.883	0.25	5	0	97.7	80-120	0			
Iron	506.5	4.0	500	0	101	80-120	0			
Lead	6.11	0.25	5	0	122	80-120	0			S
Manganese	4.978	0.25	5	0	99.6	80-120	0			
Molybdenum	4.983	0.25	5	0	99.7	80-120	0			
Nickel	4.983	0.25	5	0	99.7	80-120	0			
Selenium	3.939	0.25	5	0	78.8	80-120	0			S
Silver	4.736	0.25	5	0	94.7	80-120	0			
Thallium	5.725	0.25	5	0	114	80-120	0			
Vanadium	5.1	0.25	5	0	102	80-120	0			
Zinc	4.154	0.50	5	0	83.1	80-120	0			

LCS Sample ID: **LCS-57824-57824** Units: **mg/Kg** Analysis Date: **4/26/2014 03:03 PM**
Client ID: Run ID: **ICPMS2_140425B** SeqNo: **2732158** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	4.934	0.25	5	0	98.7	80-120	0			
Selenium	4.738	0.25	5	0	94.8	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57824** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1404759-10BMS** Units: **mg/Kg** Analysis Date: **4/26/2014 07:30 AM**
Client ID: **SO-17360-041414-DR-010** Run ID: **ICPMS1_140425A** SeqNo: **2731622** Prep Date: **4/21/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	5.835	1.6	6.281	0.08736	91.5	75-125	0			
Arsenic	6.793	1.6	6.281	1.02	91.9	75-125	0			
Barium	29.27	1.6	6.281	19.39	157	75-125	0			S
Beryllium	5.678	0.63	6.281	0.1361	88.2	75-125	0			
Cadmium	6.033	0.63	6.281	0.03111	95.6	75-125	0			
Chromium	12.76	1.6	6.281	12.68	1.35	75-125	0			S
Cobalt	7.786	1.6	6.281	2.703	80.9	75-125	0			
Copper	9.793	1.6	6.281	5.596	66.8	75-125	0			S
Iron	4871	25	628.1	5969	-175	75-125	0			SO
Lead	9.187	1.6	6.281	2.719	103	75-125	0			
Manganese	46.11	1.6	6.281	62.86	-267	75-125	0			SO
Molybdenum	6.25	1.6	6.281	0.3013	94.7	75-125	0			
Nickel	10.68	1.6	6.281	8.849	29.2	75-125	0			S
Selenium	5.989	1.6	6.281	0.8021	82.6	75-125	0			
Silver	5.682	1.6	6.281	0.008507	90.3	75-125	0			
Thallium	6.822	1.6	6.281	0.06725	108	75-125	0			
Vanadium	17.42	1.6	6.281	10.51	110	75-125	0			
Zinc	15.85	3.1	6.281	12.64	51.1	75-125	0			S

MSD Sample ID: **1404759-10BMSD** Units: **mg/Kg** Analysis Date: **4/26/2014 07:36 AM**
Client ID: **SO-17360-041414-DR-010** Run ID: **ICPMS1_140425A** SeqNo: **2731625** Prep Date: **4/21/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	5.921	1.6	6.353	0.08736	91.8	75-125	5.835	1.46	25	
Arsenic	7.217	1.6	6.353	1.02	97.5	75-125	6.793	6.05	25	
Barium	35.77	1.6	6.353	19.39	258	75-125	29.27	20	25	S
Beryllium	5.785	0.64	6.353	0.1361	88.9	75-125	5.678	1.85	25	
Cadmium	6.137	0.64	6.353	0.03111	96.1	75-125	6.033	1.71	25	
Chromium	13.04	1.6	6.353	12.68	5.74	75-125	12.76	2.17	25	S
Cobalt	8.059	1.6	6.353	2.703	84.3	75-125	7.786	3.45	25	
Copper	9.892	1.6	6.353	5.596	67.6	75-125	9.793	1.01	25	S
Iron	5149	25	635.3	5969	-129	75-125	4871	5.55	25	SO
Lead	9.015	1.6	6.353	2.719	99.1	75-125	9.187	1.88	25	
Manganese	51.62	1.6	6.353	62.86	-177	75-125	46.11	11.3	25	SO
Molybdenum	6.642	1.6	6.353	0.3013	99.8	75-125	6.25	6.09	25	
Nickel	10.82	1.6	6.353	8.849	31.1	75-125	10.68	1.28	25	S
Selenium	6.382	1.6	6.353	0.8021	87.8	75-125	5.989	6.35	25	
Silver	5.759	1.6	6.353	0.008507	90.5	75-125	5.682	1.36	25	
Thallium	6.846	1.6	6.353	0.06725	107	75-125	6.822	0.351	25	
Vanadium	18.41	1.6	6.353	10.51	124	75-125	17.42	5.54	25	
Zinc	15.95	3.2	6.353	12.64	52	75-125	15.85	0.581	25	S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57824** Instrument ID **ICPMS1** Method: **SW6020A**

The following samples were analyzed in this batch:

1404759-07B	1404759-08B	1404759-09B
1404759-10B	1404759-11B	1404759-12B
1404759-13B	1404759-14B	1404759-15B
1404759-16B	1404759-17B	1404759-18B
1404759-19B	1404759-20B	1404759-21B
1404759-22B	1404759-23B	1404759-24B
1404759-25B	1404759-26B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57833** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57833-57833** Units: **mg/Kg** Analysis Date: **4/27/2014 03:03 AM**
Client ID: Run ID: **ICPMS1_140426A** SeqNo: **2732668** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	2.503	4.0								J
Manganese	0.03362	0.25								J
Molybdenum	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Vanadium	U	0.25								
Zinc	0.05745	0.50								J

MBLK Sample ID: **MBLK-57833-57833** Units: **mg/Kg** Analysis Date: **4/28/2014 11:14 AM**
Client ID: Run ID: **ICPMS1_140427A** SeqNo: **2733719** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	U	0.25								
Beryllium	U	0.10								
Cadmium	U	0.10								
Lead	U	0.25								
Thallium	U	0.25								

LCS Sample ID: **LCS-57833-57833** Units: **mg/Kg** Analysis Date: **4/27/2014 03:09 AM**
Client ID: Run ID: **ICPMS1_140426A** SeqNo: **2732669** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.624	0.25	5	0	92.5	80-120	0			
Arsenic	4.392	0.25	5	0	87.8	80-120	0			
Chromium	4.946	0.25	5	0	98.9	80-120	0			
Cobalt	4.862	0.25	5	0	97.2	80-120	0			
Copper	4.76	0.25	5	0	95.2	80-120	0			
Iron	497.4	4.0	500	0	99.5	80-120	0			
Manganese	4.985	0.25	5	0	99.7	80-120	0			
Molybdenum	4.975	0.25	5	0	99.5	80-120	0			
Nickel	4.902	0.25	5	0	98	80-120	0			
Silver	4.736	0.25	5	0	94.7	80-120	0			
Vanadium	5.01	0.25	5	0	100	80-120	0			
Zinc	4.122	0.50	5	0	82.4	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57833** Instrument ID **ICPMS1** Method: **SW6020A**

LCS Sample ID: **LCS-57833-57833** Units: **mg/Kg** Analysis Date: **4/28/2014 11:21 AM**
Client ID: Run ID: **ICPMS1_140427A** SeqNo: **2733720** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	5.015	0.25	5	0	100	80-120	0			
Beryllium	4.204	0.10	5	0	84.1	80-120	0			
Cadmium	4.618	0.10	5	0	92.4	80-120	0			
Lead	5.325	0.25	5	0	106	80-120	0			
Thallium	4.927	0.25	5	0	98.5	80-120	0			

LCS Sample ID: **LCS-57833-57833** Units: **mg/Kg** Analysis Date: **4/28/2014 08:22 PM**
Client ID: Run ID: **ICPMS2_140428A** SeqNo: **2734891** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Selenium	4.514	0.25	5	0	90.3	80-120	0			

MS Sample ID: **1404759-38BMS** Units: **mg/Kg** Analysis Date: **4/27/2014 07:06 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **ICPMS1_140426A** SeqNo: **2732705** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.969	2.0	8.013	0.4887	93.4	75-125	0			
Arsenic	11.84	2.0	8.013	3.077	109	75-125	0			
Barium	42.99	2.0	8.013	17.98	312	75-125	0			S
Beryllium	6.907	0.80	8.013	0.2458	83.1	75-125	0			
Cadmium	8.281	0.80	8.013	0.2711	100	75-125	0			
Chromium	16.71	2.0	8.013	5.674	138	75-125	0			S
Cobalt	11.19	2.0	8.013	2.733	105	75-125	0			
Copper	26.85	2.0	8.013	12.96	173	75-125	0			S
Iron	12900	32	801.3	8716	522	75-125	0			SO
Manganese	175.4	2.0	8.013	145.6	371	75-125	0			SO
Molybdenum	9.395	2.0	8.013	0.8809	106	75-125	0			
Nickel	17.73	2.0	8.013	7.318	130	75-125	0			S
Selenium	8.421	2.0	8.013	0.9216	93.6	75-125	0			
Silver	7.552	2.0	8.013	0.01965	94	75-125	0			
Vanadium	21.85	2.0	8.013	8.574	166	75-125	0			S
Zinc	31.58	4.0	8.013	19.66	149	75-125	0			S

MS Sample ID: **1404759-38BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 02:18 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **ICPMS1_140427A** SeqNo: **2733322** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	17.14	2.0	8.013	11.37	72	75-125	0			S
Thallium	7.468	2.0	8.013	0.07989	92.2	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57833** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1404759-38BMSD** Units: **mg/Kg** Analysis Date: **4/27/2014 07:12 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **ICPMS1_140426A** SeqNo: **2732706** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.719	2.0	8.104	0.4887	89.2	75-125	7.969	3.19	25	
Arsenic	11.73	2.0	8.104	3.077	107	75-125	11.84	0.889	25	
Barium	36.98	2.0	8.104	17.98	234	75-125	42.99	15	25	S
Beryllium	7.156	0.81	8.104	0.2458	85.3	75-125	6.907	3.53	25	
Cadmium	8.294	0.81	8.104	0.2711	99	75-125	8.281	0.156	25	
Chromium	16.44	2.0	8.104	5.674	133	75-125	16.71	1.64	25	S
Cobalt	10.71	2.0	8.104	2.733	98.5	75-125	11.19	4.32	25	
Copper	21.82	2.0	8.104	12.96	109	75-125	26.85	20.7	25	
Iron	11470	32	810.4	8716	339	75-125	12900	11.7	25	SO
Manganese	172.9	2.0	8.104	145.6	337	75-125	175.4	1.39	25	SO
Molybdenum	9.133	2.0	8.104	0.8809	102	75-125	9.395	2.83	25	
Nickel	17.84	2.0	8.104	7.318	130	75-125	17.73	0.63	25	S
Selenium	7.82	2.0	8.104	0.9216	85.1	75-125	8.421	7.41	25	
Silver	7.135	2.0	8.104	0.01965	87.8	75-125	7.552	5.67	25	
Vanadium	21.13	2.0	8.104	8.574	155	75-125	21.85	3.39	25	S
Zinc	33.68	4.1	8.104	19.66	173	75-125	31.58	6.44	25	S

MSD Sample ID: **1404759-38BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 02:24 AM**
Client ID: **SO-17360-041414-DR-038** Run ID: **ICPMS1_140427A** SeqNo: **2733323** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	19.39	2.0	8.104	11.37	99	75-125	17.14	12.3	25	
Thallium	7.468	2.0	8.104	0.07989	91.2	75-125	7.468	0.00487	25	

The following samples were analyzed in this batch:

1404759-27B	1404759-28B	1404759-29B
1404759-30B	1404759-31B	1404759-32B
1404759-33B	1404759-34B	1404759-35B
1404759-36B	1404759-37B	1404759-38B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57871** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57871-57871** Units: **mg/Kg** Analysis Date: **4/23/2014 09:48 AM**
Client ID: Run ID: **ICPMS1_140423A** SeqNo: **2727719** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	U	0.10								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	U	4.0								
Lead	U	0.25								
Molybdenum	U	0.25								
Nickel	U	0.25								
Silver	U	0.25								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	U	0.50								

LCS Sample ID: **LCS-57871-57871** Units: **mg/Kg** Analysis Date: **4/23/2014 09:54 AM**
Client ID: Run ID: **ICPMS1_140423A** SeqNo: **2727720** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.702	0.25	5	0	94	80-120	0			
Arsenic	4.462	0.25	5	0	89.2	80-120	0			
Barium	4.913	0.25	5	0	98.3	80-120	0			
Cadmium	4.75	0.10	5	0	95	80-120	0			
Chromium	4.949	0.25	5	0	99	80-120	0			
Cobalt	4.81	0.25	5	0	96.2	80-120	0			
Copper	4.754	0.25	5	0	95.1	80-120	0			
Iron	490.8	4.0	500	0	98.2	80-120	0			
Lead	5.105	0.25	5	0	102	80-120	0			
Molybdenum	4.98	0.25	5	0	99.6	80-120	0			
Nickel	4.94	0.25	5	0	98.8	80-120	0			
Silver	4.672	0.25	5	0	93.4	80-120	0			
Thallium	4.942	0.25	5	0	98.8	80-120	0			
Vanadium	5.025	0.25	5	0	100	80-120	0			
Zinc	4.216	0.50	5	0	84.3	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57871** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1404759-51BMS** Units: **mg/Kg** Analysis Date: **4/23/2014 10:21 AM**
Client ID: **SO-17360-041414-DR-051** Run ID: **ICPMS1_140423A** SeqNo: **2727724** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.539	2.0	8.157	2.126	90.9	75-125	0			
Barium	17.27	2.0	8.157	19.88	-32	75-125	0			S
Cadmium	7.936	0.82	8.157	0.08411	96.3	75-125	0			
Chromium	12.76	2.0	8.157	4.718	98.6	75-125	0			
Copper	11.94	2.0	8.157	6.133	71.2	75-125	0			S
Lead	9.282	2.0	8.157	1.743	92.4	75-125	0			
Silver	7.145	2.0	8.157	0.01118	87.5	75-125	0			
Zinc	14.99	4.1	8.157	8.976	73.8	75-125	0			S

MSD Sample ID: **1404759-51BMSD** Units: **mg/Kg** Analysis Date: **4/23/2014 10:27 AM**
Client ID: **SO-17360-041414-DR-051** Run ID: **ICPMS1_140423A** SeqNo: **2727725** Prep Date: **4/22/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.9	2.0	8.104	2.126	121	75-125	9.539	22	25	
Barium	20.89	2.0	8.104	19.88	12.5	75-125	17.27	19	25	S
Cadmium	8.493	0.81	8.104	0.08411	104	75-125	7.936	6.77	25	
Chromium	13.22	2.0	8.104	4.718	105	75-125	12.76	3.57	25	
Copper	15.08	2.0	8.104	6.133	110	75-125	11.94	23.2	25	
Lead	10.82	2.0	8.104	1.743	112	75-125	9.282	15.3	25	
Silver	7.447	2.0	8.104	0.01118	91.8	75-125	7.145	4.14	25	
Zinc	16.14	4.1	8.104	8.976	88.4	75-125	14.99	7.37	25	

The following samples were analyzed in this batch: 1404759-51B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57902** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57902-57902** Units: **mg/Kg** Analysis Date: **4/26/2014 11:23 AM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731850** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	U	0.25								
Beryllium	U	0.10								
Cadmium	U	0.10								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	U	4.0								
Lead	0.005225	0.25								J
Manganese	U	0.25								
Molybdenum	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Thallium	U	0.25								
Vanadium	U	0.25								
Zinc	U	0.50								

LCS Sample ID: **LCS-57902-57902** Units: **mg/Kg** Analysis Date: **4/26/2014 11:29 AM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731851** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.426	0.25	5	0	88.5	80-120	0			
Arsenic	4.45	0.25	5	0	89	80-120	0			
Barium	4.999	0.25	5	0	100	80-120	0			
Beryllium	4.34	0.10	5	0	86.8	80-120	0			
Cadmium	4.654	0.10	5	0	93.1	80-120	0			
Chromium	4.79	0.25	5	0	95.8	80-120	0			
Cobalt	4.786	0.25	5	0	95.7	80-120	0			
Copper	4.602	0.25	5	0	92	80-120	0			
Iron	483.6	4.0	500	0	96.7	80-120	0			
Lead	5.96	0.25	5	0	119	80-120	0			
Manganese	4.812	0.25	5	0	96.2	80-120	0			
Molybdenum	5.025	0.25	5	0	100	80-120	0			
Nickel	4.739	0.25	5	0	94.8	80-120	0			
Silver	4.564	0.25	5	0	91.3	80-120	0			
Thallium	5.615	0.25	5	0	112	80-120	0			
Vanadium	4.896	0.25	5	0	97.9	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57902** Instrument ID **ICPMS1** Method: **SW6020A**

LCS Sample ID: **LCS-57902-57902** Units: **mg/Kg** Analysis Date: **4/26/2014 03:08 PM**
Client ID: Run ID: **ICPMS2_140425B** SeqNo: **2732159** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Selenium	4.624	0.25	5	0	92.5	80-120	0			
Zinc	4.638	0.50	5	0	92.8	80-120	0			

MS Sample ID: **1404759-51BMS** Units: **mg/Kg** Analysis Date: **4/26/2014 01:09 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **ICPMS1_140425A** SeqNo: **2731868** Prep Date: **4/23/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.376	2.0	8.013	0.04015	91.5	75-125	0			
Arsenic	9.139	2.0	8.013	2.216	86.4	75-125	0			
Barium	19.3	2.0	8.013	11.59	96.1	75-125	0			
Beryllium	7.163	0.80	8.013	0.04533	88.8	75-125	0			
Cadmium	7.508	0.80	8.013	0.05447	93	75-125	0			
Chromium	11.36	2.0	8.013	5.343	75.1	75-125	0			
Cobalt	8.606	2.0	8.013	1.457	89.2	75-125	0			
Copper	11.34	2.0	8.013	6.344	62.4	75-125	0			S
Iron	4916	32	801.3	5355	-54.8	75-125	0			SO
Lead	9.8	2.0	8.013	2.299	93.6	75-125	0			
Manganese	38.57	2.0	8.013	34.65	48.9	75-125	0			SO
Molybdenum	8.021	2.0	8.013	0.5016	93.8	75-125	0			
Nickel	10.64	2.0	8.013	3.846	84.8	75-125	0			
Selenium	7.063	2.0	8.013	0.5961	80.7	75-125	0			
Silver	7.031	2.0	8.013	-0.005498	87.8	75-125	0			
Thallium	8.365	2.0	8.013	0.03117	104	75-125	0			
Vanadium	12.99	2.0	8.013	4.717	103	75-125	0			
Zinc	14	4.0	8.013	8.437	69.5	75-125	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57902** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1404759-51BMSD** Units: **mg/Kg** Analysis Date: **4/26/2014 01:15 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **ICPMS1_140425A** SeqNo: **2731869** Prep Date: **4/23/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.259	2.0	7.899	0.04015	91.4	75-125	7.376	1.6	25	
Arsenic	9.676	2.0	7.899	2.216	94.4	75-125	9.139	5.71	25	
Barium	23.38	2.0	7.899	11.59	149	75-125	19.3	19.1	25	S
Beryllium	7.156	0.79	7.899	0.04533	90	75-125	7.163	0.0987	25	
Cadmium	7.761	0.79	7.899	0.05447	97.6	75-125	7.508	3.31	25	
Chromium	12.11	2.0	7.899	5.343	85.6	75-125	11.36	6.37	25	
Cobalt	9.573	2.0	7.899	1.457	103	75-125	8.606	10.6	25	
Copper	17.12	2.0	7.899	6.344	136	75-125	11.34	40.6	25	SR
Iron	7536	32	789.9	5355	276	75-125	4916	42.1	25	SRO
Lead	10.64	2.0	7.899	2.299	106	75-125	9.8	8.26	25	
Manganese	45.73	2.0	7.899	34.65	140	75-125	38.57	17	25	SO
Molybdenum	8.073	2.0	7.899	0.5016	95.8	75-125	8.021	0.644	25	
Nickel	11.89	2.0	7.899	3.846	102	75-125	10.64	11.1	25	
Selenium	7.607	2.0	7.899	0.5961	88.8	75-125	7.063	7.41	25	
Silver	6.994	2.0	7.899	-0.005498	88.6	75-125	7.031	0.524	25	
Thallium	8.515	2.0	7.899	0.03117	107	75-125	8.365	1.77	25	
Vanadium	21.96	2.0	7.899	4.717	218	75-125	12.99	51.3	25	SR
Zinc	16.33	3.9	7.899	8.437	100	75-125	14	15.4	25	

The following samples were analyzed in this batch:

1404759-39B	1404759-40B	1404759-41B
1404759-42B	1404759-43B	1404759-44B
1404759-45B	1404759-46B	1404759-47B
1404759-48B	1404759-49B	1404759-50B
1404759-51B	1404759-52B	1404759-53B
1404759-54B	1404759-55B	1404759-56B
1404759-57B	1404759-58B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57913** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57913-57913** Units: **mg/Kg** Analysis Date: **4/26/2014 02:25 PM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731881** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.25								
Arsenic	U	0.25								
Barium	U	0.25								
Beryllium	U	0.10								
Cadmium	U	0.10								
Chromium	U	0.25								
Cobalt	U	0.25								
Copper	U	0.25								
Iron	U	4.0								
Manganese	U	0.25								
Molybdenum	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Vanadium	U	0.25								
Zinc	U	0.50								

MBLK Sample ID: **MBLK-57913-57913** Units: **mg/Kg** Analysis Date: **4/26/2014 10:16 PM**
Client ID: Run ID: **ICPMS1_140426A** SeqNo: **2732621** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	U	0.25								
Thallium	U	0.25								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57913** Instrument ID **ICPMS1** Method: **SW6020A**

LCS Sample ID: **LCS-57913-57913** Units: **mg/Kg** Analysis Date: **4/26/2014 02:31 PM**
Client ID: Run ID: **ICPMS1_140425A** SeqNo: **2731882** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	4.552	0.25	5	0	91	80-120	0			
Arsenic	4.39	0.25	5	0	87.8	80-120	0			
Barium	4.99	0.25	5	0	99.8	80-120	0			
Beryllium	4.345	0.10	5	0	86.9	80-120	0			
Cadmium	4.627	0.10	5	0	92.5	80-120	0			
Chromium	4.746	0.25	5	0	94.9	80-120	0			
Cobalt	4.728	0.25	5	0	94.6	80-120	0			
Copper	4.548	0.25	5	0	91	80-120	0			
Iron	484.3	4.0	500	0	96.9	80-120	0			
Manganese	4.808	0.25	5	0	96.2	80-120	0			
Molybdenum	4.996	0.25	5	0	99.9	80-120	0			
Nickel	4.734	0.25	5	0	94.7	80-120	0			
Silver	4.63	0.25	5	0	92.6	80-120	0			
Vanadium	4.805	0.25	5	0	96.1	80-120	0			

LCS Sample ID: **LCS-57913-57913** Units: **mg/Kg** Analysis Date: **4/26/2014 03:36 PM**
Client ID: Run ID: **ICPMS2_140425B** SeqNo: **2732164** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	4.862	0.25	5	0	97.2	80-120	0			
Selenium	4.639	0.25	5	0	92.8	80-120	0			
Thallium	4.705	0.25	5	0	94.1	80-120	0			
Zinc	4.732	0.50	5	0	94.6	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57913** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1404759-59BMS** Units: **mg/Kg** Analysis Date: **4/26/2014 10:34 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **ICPMS1_140426A** SeqNo: **2732624** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.971	1.9	7.474	1.281	89.5	75-125	0			
Arsenic	22.12	1.9	7.474	13.36	117	75-125	0			
Barium	48.54	1.9	7.474	40.1	113	75-125	0			O
Beryllium	7.754	0.75	7.474	1.245	87.1	75-125	0			
Cadmium	8.655	0.75	7.474	2.073	88.1	75-125	0			
Chromium	16.42	1.9	7.474	8.903	101	75-125	0			
Cobalt	11.02	1.9	7.474	3.556	99.8	75-125	0			
Copper	27.53	1.9	7.474	21.12	85.9	75-125	0			
Iron	25330	30	747.4	24320	136	75-125	0			SO
Manganese	80.75	1.9	7.474	80.96	-2.79	75-125	0			SO
Molybdenum	9.679	1.9	7.474	3.569	81.7	75-125	0			
Nickel	16.93	1.9	7.474	9.797	95.5	75-125	0			
Selenium	8.274	1.9	7.474	1.633	88.9	75-125	0			
Silver	7.223	1.9	7.474	0.03557	96.2	75-125	0			
Vanadium	31.93	1.9	7.474	18.77	176	75-125	0			S
Zinc	50.19	3.7	7.474	67.66	-234	75-125	0			SO

MS Sample ID: **1404759-71BMS** Units: **mg/Kg** Analysis Date: **4/27/2014 01:35 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **ICPMS1_140426A** SeqNo: **2732654** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.917	1.9	7.519	1.129	90.3	75-125	0			
Arsenic	14.05	1.9	7.519	7.006	93.7	75-125	0			
Chromium	12.29	1.9	7.519	4.52	103	75-125	0			
Cobalt	13.47	1.9	7.519	2.049	152	75-125	0			S
Copper	22.1	1.9	7.519	13.29	117	75-125	0			
Iron	31910	30	751.9	31160	101	75-125	0			O
Manganese	45.41	1.9	7.519	39.75	75.3	75-125	0			O
Molybdenum	9.233	1.9	7.519	1.733	99.7	75-125	0			
Nickel	16.4	1.9	7.519	4.758	155	75-125	0			S
Selenium	6.613	1.9	7.519	0.7917	77.4	75-125	0			
Silver	6.846	1.9	7.519	0.01474	90.9	75-125	0			
Vanadium	17.72	1.9	7.519	10.18	100	75-125	0			
Zinc	11.05	3.8	7.519	3.596	99.1	75-125	0			

MS Sample ID: **1404759-59BMS** Units: **mg/Kg** Analysis Date: **4/27/2014 03:12 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **ICPMS1_140427A** SeqNo: **2733134** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	25.05	1.9	7.474	21.46	48	75-125	0			S
Thallium	6.969	1.9	7.474	0.6724	84.3	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57913** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1404759-71BMS** Units: **mg/Kg** Analysis Date: **4/28/2014 10:22 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **ICPMS1_140427A** SeqNo: **2733708** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	35.71	1.9	7.519	27.7	107	75-125	0			
Beryllium	6.789	0.75	7.519	0.2678	86.7	75-125	0			
Cadmium	7.335	0.75	7.519	0.2716	93.9	75-125	0			
Lead	18.09	1.9	7.519	13.33	63.4	75-125	0			S
Thallium	6.519	1.9	7.519	0.1483	84.7	75-125	0			

MSD Sample ID: **1404759-59BMSD** Units: **mg/Kg** Analysis Date: **4/26/2014 10:39 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **ICPMS1_140426A** SeqNo: **2732625** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	8.346	2.0	7.8	1.281	90.6	75-125	7.971	4.6	25	
Arsenic	22.43	2.0	7.8	13.36	116	75-125	22.12	1.41	25	
Barium	48.4	2.0	7.8	40.1	106	75-125	48.54	0.292	25	O
Beryllium	8.069	0.78	7.8	1.245	87.5	75-125	7.754	3.99	25	
Cadmium	9.197	0.78	7.8	2.073	91.3	75-125	8.655	6.07	25	
Chromium	16.51	2.0	7.8	8.903	97.5	75-125	16.42	0.52	25	
Cobalt	11.04	2.0	7.8	3.556	96	75-125	11.02	0.226	25	
Copper	32.69	2.0	7.8	21.12	148	75-125	27.53	17.1	25	S
Iron	25300	31	780	24320	127	75-125	25330	0.0973	25	SO
Manganese	81.83	2.0	7.8	80.96	11.1	75-125	80.75	1.32	25	SO
Molybdenum	10.07	2.0	7.8	3.569	83.3	75-125	9.679	3.97	25	
Nickel	17.85	2.0	7.8	9.797	103	75-125	16.93	5.31	25	
Selenium	8.003	2.0	7.8	1.633	81.7	75-125	8.274	3.32	25	
Silver	7.262	2.0	7.8	0.03557	92.6	75-125	7.223	0.533	25	
Vanadium	25.43	2.0	7.8	18.77	85.4	75-125	31.93	22.7	25	
Zinc	55.93	3.9	7.8	67.66	-150	75-125	50.19	10.8	25	SO

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57913** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1404759-71BMSD** Units: **mg/Kg** Analysis Date: **4/27/2014 01:41 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **ICPMS1_140426A** SeqNo: **2732655** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	7.842	1.8	7.205	1.129	93.2	75-125	7.917	0.953	25	
Arsenic	14.28	1.8	7.205	7.006	101	75-125	14.05	1.6	25	
Chromium	13.21	1.8	7.205	4.52	121	75-125	12.29	7.25	25	
Cobalt	8.97	1.8	7.205	2.049	96.1	75-125	13.47	40.1	25	R
Copper	21.43	1.8	7.205	13.29	113	75-125	22.1	3.05	25	
Iron	32980	29	720.5	31160	253	75-125	31910	3.3	25	SO
Manganese	33.96	1.8	7.205	39.75	-80.4	75-125	45.41	28.9	25	SRO
Molybdenum	8.714	1.8	7.205	1.733	96.9	75-125	9.233	5.78	25	
Nickel	12.63	1.8	7.205	4.758	109	75-125	16.4	26	25	R
Selenium	6.574	1.8	7.205	0.7917	80.3	75-125	6.613	0.585	25	
Silver	6.726	1.8	7.205	0.01474	93.1	75-125	6.846	1.77	25	
Vanadium	20.82	1.8	7.205	10.18	148	75-125	17.72	16.1	25	S
Zinc	10.64	3.6	7.205	3.596	97.8	75-125	11.05	3.73	25	

MSD Sample ID: **1404759-59BMSD** Units: **mg/Kg** Analysis Date: **4/27/2014 03:18 PM**
Client ID: **SO-17360-041414-DR-059** Run ID: **ICPMS1_140427A** SeqNo: **2733135** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	35.02	2.0	7.8	21.46	174	75-125	24.87	33.9	25	SR
Thallium	7.278	2.0	7.8	0.6724	84.7	75-125	7.089	2.63	25	

MSD Sample ID: **1404759-71BMSD** Units: **mg/Kg** Analysis Date: **4/28/2014 10:28 AM**
Client ID: **SO-17360-041414-DR-071** Run ID: **ICPMS1_140427A** SeqNo: **2733710** Prep Date: **4/24/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	52.59	1.8	7.205	27.7	346	75-125	35.71	38.2	25	SR
Beryllium	6.686	0.72	7.205	0.2678	89.1	75-125	6.789	1.54	25	
Cadmium	7.277	0.72	7.205	0.2716	97.2	75-125	7.335	0.793	25	
Lead	32.85	1.8	7.205	13.33	271	75-125	18.09	57.9	25	SR
Thallium	6.603	1.8	7.205	0.1483	89.6	75-125	6.519	1.28	25	

The following samples were analyzed in this batch:

1404759-59B	1404759-60B	1404759-61B
1404759-62B	1404759-63B	1404759-64B
1404759-65B	1404759-66B	1404759-67B
1404759-68B	1404759-69B	1404759-70B
1404759-71B	1404759-72B	1404759-73B
1404759-74B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57777** Instrument ID **SVMS7** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57777-57777** Units: **µg/Kg** Analysis Date: **4/22/2014 08:17 AM**
Client ID: Run ID: **SVMS7_140422A** SeqNo: **2727570** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1284*	0	*1667*	0	*77*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1897*	0	*1667*	0	*114*	*25-137*	0			
Surr: Nitrobenzene-d5	*995*	0	*1667*	0	*59.7*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57777** Instrument ID **SVMS7** Method: **SW8270**

LCS Sample ID: **SLCSS1-57777-57777** Units: **µg/Kg** Analysis Date: **4/22/2014 07:54 AM**
Client ID: Run ID: **SVMS7_140422A** SeqNo: **2727569** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	548.3	6.7	666.7	0	82.2	45-105	0			
Acenaphthene	557.3	6.7	666.7	0	83.6	45-110	0			
Acenaphthylene	592.3	6.7	666.7	0	88.8	45-105	0			
Anthracene	618.3	6.7	666.7	0	92.7	55-105	0			
Benzo(a)anthracene	606.7	6.7	666.7	0	91	50-110	0			
Benzo(a)pyrene	667	6.7	666.7	0	100	50-110	0			
Benzo(b)fluoranthene	680.3	6.7	666.7	0	102	45-115	0			
Benzo(g,h,i)perylene	536.7	6.7	666.7	0	80.5	40-125	0			
Benzo(k)fluoranthene	671.3	6.7	666.7	0	101	45-115	0			
Chrysene	598.7	6.7	666.7	0	89.8	55-110	0			
Dibenzo(a,h)anthracene	572	6.7	666.7	0	85.8	40-125	0			
Fluoranthene	551.7	6.7	666.7	0	82.7	55-115	0			
Fluorene	594.3	6.7	666.7	0	89.1	50-110	0			
Indeno(1,2,3-cd)pyrene	583.3	6.7	666.7	0	87.5	40-120	0			
Naphthalene	551	6.7	666.7	0	82.6	40-105	0			
Phenanthrene	595	6.7	666.7	0	89.2	50-110	0			
Pyrene	689.3	6.7	666.7	0	103	45-125	0			
Surr: 2-Fluorobiphenyl	*1366*	0	*1667*	0	*81.9*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1844*	0	*1667*	0	*111*	*25-137*	0			
Surr: Nitrobenzene-d5	*1164*	0	*1667*	0	*69.8*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57777** Instrument ID **SVMS7** Method: **SW8270**

MS Sample ID: **1404946-12B MS** Units: **µg/Kg** Analysis Date: **4/22/2014 08:39 AM**
Client ID: Run ID: **SVMS7_140422A** SeqNo: **2728079** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1021	13	1278	0	79.9	45-105	0			
Acenaphthene	1065	13	1278	0	83.3	45-110	0			
Acenaphthylene	1087	13	1278	0	85	45-105	0			
Anthracene	1207	13	1278	0	94.4	55-105	0			
Benzo(a)anthracene	1358	13	1278	84.23	99.7	50-110	0			
Benzo(a)pyrene	1577	13	1278	111.1	115	50-110	0			S
Benzo(b)fluoranthene	1768	13	1278	157.2	126	45-115	0			S
Benzo(g,h,i)perylene	1245	13	1278	69.31	92	40-125	0			
Benzo(k)fluoranthene	1499	13	1278	62.01	112	45-115	0			
Chrysene	1384	13	1278	86.88	101	55-110	0			
Dibenzo(a,h)anthracene	1088	13	1278	33.16	82.6	40-125	0			
Fluoranthene	1282	13	1278	81.58	93.9	55-115	0			
Fluorene	1141	13	1278	0	89.3	50-110	0			
Indeno(1,2,3-cd)pyrene	1317	13	1278	77.6	97	40-120	0			
Naphthalene	1021	13	1278	0	79.9	40-105	0			
Phenanthrene	1198	13	1278	42.45	90.4	50-110	0			
Pyrene	1680	13	1278	121	122	45-125	0			
Surr: 2-Fluorobiphenyl	*2448*	0	*3195*	0	*76.6*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3751*	0	*3195*	0	*117*	*25-137*	0			
Surr: Nitrobenzene-d5	*2079*	0	*3195*	0	*65.1*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57777** Instrument ID **SVMS7** Method: **SW8270**

MSD Sample ID: **1404946-12B MSD** Units: **µg/Kg** Analysis Date: **4/22/2014 09:01 AM**
Client ID: Run ID: **SVMS7_140422A** SeqNo: **2728080** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1020	13	1275	0	80	45-105	1021	0.0996	30	
Acenaphthene	1093	13	1275	0	85.8	45-110	1065	2.61	30	
Acenaphthylene	1094	13	1275	0	85.8	45-105	1087	0.649	30	
Anthracene	1252	13	1275	0	98.2	55-105	1207	3.66	30	
Benzo(a)anthracene	1425	13	1275	84.23	105	50-110	1358	4.85	30	
Benzo(a)pyrene	1643	13	1275	111.1	120	50-110	1577	4.11	30	S
Benzo(b)fluoranthene	1753	13	1275	157.2	125	45-115	1768	0.831	30	S
Benzo(g,h,i)perylene	1241	13	1275	69.31	91.9	40-125	1245	0.339	30	
Benzo(k)fluoranthene	1523	13	1275	62.01	115	45-115	1499	1.61	30	
Chrysene	1457	13	1275	86.88	108	55-110	1384	5.15	30	
Dibenzo(a,h)anthracene	1088	13	1275	33.16	82.8	40-125	1088	0.00601	30	
Fluoranthene	1403	13	1275	81.58	104	55-115	1282	9.03	30	
Fluorene	1162	13	1275	0	91.1	50-110	1141	1.76	30	
Indeno(1,2,3-cd)pyrene	1346	13	1275	77.6	99.6	40-120	1317	2.2	30	
Naphthalene	1098	13	1275	0	86.1	40-105	1021	7.24	30	
Phenanthrene	1199	13	1275	42.45	90.8	50-110	1198	0.0855	30	
Pyrene	1620	13	1275	121	118	45-125	1680	3.65	30	
Surr: 2-Fluorobiphenyl	*2643*	0	*3186*	0	*83*	*12-100*	2448	*7.69*	*40*	
Surr: 4-Terphenyl-d14	*3758*	0	*3186*	0	*118*	*25-137*	3751	*0.189*	*40*	
Surr: Nitrobenzene-d5	*2191*	0	*3186*	0	*68.8*	*37-107*	2079	*5.21*	*40*	

The following samples were analyzed in this batch:

1404759-01B	1404759-02B	1404759-03B
1404759-04B	1404759-05B	1404759-06B
1404759-07B	1404759-08B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57780** Instrument ID **SVMS8** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57780-57780** Units: **µg/Kg** Analysis Date: **4/21/2014 01:44 PM**
Client ID: Run ID: **SVMS8_140421A** SeqNo: **2726011** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1169*	0	*1667*	0	*70.2*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1755*	0	*1667*	0	*105*	*25-137*	0			
Surr: Nitrobenzene-d5	*1122*	0	*1667*	0	*67.3*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57780** Instrument ID **SVMS8** Method: **SW8270**

LCS Sample ID: **SLCSS1-57780-57780** Units: **µg/Kg** Analysis Date: **4/21/2014 01:24 PM**
Client ID: Run ID: **SVMS8_140421A** SeqNo: **2726010** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	593.7	6.7	666.7	0	89	45-105	0			
Acenaphthene	575.3	6.7	666.7	0	86.3	45-110	0			
Acenaphthylene	606.3	6.7	666.7	0	90.9	45-105	0			
Anthracene	670.3	6.7	666.7	0	101	55-105	0			
Benzo(a)anthracene	661	6.7	666.7	0	99.1	50-110	0			
Benzo(a)pyrene	672	6.7	666.7	0	101	50-110	0			
Benzo(b)fluoranthene	663	6.7	666.7	0	99.4	45-115	0			
Benzo(g,h,i)perylene	711.3	6.7	666.7	0	107	40-125	0			
Benzo(k)fluoranthene	650.3	6.7	666.7	0	97.5	45-115	0			
Chrysene	689.3	6.7	666.7	0	103	55-110	0			
Dibenzo(a,h)anthracene	729.3	6.7	666.7	0	109	40-125	0			
Fluoranthene	739	6.7	666.7	0	111	55-115	0			
Fluorene	606.3	6.7	666.7	0	90.9	50-110	0			
Indeno(1,2,3-cd)pyrene	743	6.7	666.7	0	111	40-120	0			
Naphthalene	558.7	6.7	666.7	0	83.8	40-105	0			
Phenanthrene	621	6.7	666.7	0	93.1	50-110	0			
Pyrene	693	6.7	666.7	0	104	45-125	0			
Surr: 2-Fluorobiphenyl	*1341*	0	*1667*	0	*80.5*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1747*	0	*1667*	0	*105*	*25-137*	0			
Surr: Nitrobenzene-d5	*1262*	0	*1667*	0	*75.7*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57780** Instrument ID **SVMS8** Method: **SW8270**

MS Sample ID: **14041003-08B MS** Units: **µg/Kg** Analysis Date: **4/21/2014 02:44 PM**
Client ID: Run ID: **SVMS8_140421A** SeqNo: **2726014** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1842	20	1955	0	94.2	45-105	0			
Acenaphthene	1765	20	1955	0	90.3	45-110	0			
Acenaphthylene	1899	20	1955	0	97.1	45-105	0			
Anthracene	2007	20	1955	0	103	55-105	0			
Benzo(a)anthracene	1973	20	1955	0	101	50-110	0			
Benzo(a)pyrene	1995	20	1955	0	102	50-110	0			
Benzo(b)fluoranthene	1953	20	1955	0	99.9	45-115	0			
Benzo(g,h,i)perylene	2181	20	1955	0	112	40-125	0			
Benzo(k)fluoranthene	1921	20	1955	0	98.3	45-115	0			
Chrysene	1970	20	1955	0	101	55-110	0			
Dibenzo(a,h)anthracene	2209	20	1955	0	113	40-125	0			
Fluoranthene	2181	20	1955	0	112	55-115	0			
Fluorene	1846	20	1955	0	94.4	50-110	0			
Indeno(1,2,3-cd)pyrene	2255	20	1955	0	115	40-120	0			
Naphthalene	1728	20	1955	0	88.4	40-105	0			
Phenanthrene	1882	20	1955	0	96.3	50-110	0			
Pyrene	2150	20	1955	0	110	45-125	0			
Surr: 2-Fluorobiphenyl	*4103*	0	*4886*	0	*84*	*12-100*	0			
Surr: 4-Terphenyl-d14	*5248*	0	*4886*	0	*107*	*25-137*	0			
Surr: Nitrobenzene-d5	*3921*	0	*4886*	0	*80.2*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57780** Instrument ID **SVMS8** Method: **SW8270**

MSD Sample ID: **14041003-08B MSD** Units: **µg/Kg** Analysis Date: **4/21/2014 03:04 PM**
Client ID: Run ID: **SVMS8_140421A** SeqNo: **2726015** Prep Date: **4/19/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1654	19	1913	0	86.5	45-105	1842	10.7	30	
Acenaphthene	1625	19	1913	0	84.9	45-110	1765	8.27	30	
Acenaphthylene	1713	19	1913	0	89.5	45-105	1899	10.3	30	
Anthracene	1882	19	1913	0	98.4	55-105	2007	6.44	30	
Benzo(a)anthracene	1902	19	1913	0	99.4	50-110	1973	3.66	30	
Benzo(a)pyrene	1895	19	1913	0	99.1	50-110	1995	5.1	30	
Benzo(b)fluoranthene	1868	19	1913	0	97.6	45-115	1953	4.44	30	
Benzo(g,h,i)perylene	2015	19	1913	0	105	40-125	2181	7.92	30	
Benzo(k)fluoranthene	1825	19	1913	0	95.4	45-115	1921	5.16	30	
Chrysene	1865	19	1913	0	97.5	55-110	1970	5.49	30	
Dibenzo(a,h)anthracene	2055	19	1913	0	107	40-125	2209	7.2	30	
Fluoranthene	2090	19	1913	0	109	55-115	2181	4.29	30	
Fluorene	1738	19	1913	0	90.8	50-110	1846	6.05	30	
Indeno(1,2,3-cd)pyrene	2112	19	1913	0	110	40-120	2255	6.59	30	
Naphthalene	1571	19	1913	0	82.1	40-105	1728	9.49	30	
Phenanthrene	1776	19	1913	0	92.8	50-110	1882	5.81	30	
Pyrene	2019	19	1913	0	106	45-125	2150	6.29	30	
Surr: 2-Fluorobiphenyl	*3668*	0	*4782*	0	*76.7*	*12-100*	4103	*11.2*	*40*	
Surr: 4-Terphenyl-d14	*4956*	0	*4782*	0	*104*	*25-137*	5248	*5.73*	*40*	
Surr: Nitrobenzene-d5	*3601*	0	*4782*	0	*75.3*	*37-107*	3921	*8.49*	*40*	

The following samples were analyzed in this batch: 1404759-09B 1404759-10B 1404759-11B 1404759-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57822** Instrument ID **SVMS8** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57822-57822** Units: **µg/Kg** Analysis Date: **4/22/2014 01:41 PM**
Client ID: Run ID: **SVMS8_140422B** SeqNo: **2727434** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1331*	0	*1667*	0	*79.9*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1775*	0	*1667*	0	*106*	*25-137*	0			
Surr: Nitrobenzene-d5	*1196*	0	*1667*	0	*71.8*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57822** Instrument ID **SVMS8** Method: **SW8270**

LCS Sample ID: **SLCSS1-57822-57822** Units: **µg/Kg** Analysis Date: **4/22/2014 02:01 PM**
Client ID: Run ID: **SVMS8_140422B** SeqNo: **2727435** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	495.7	6.7	666.7	0	74.3	45-105	0			
Acenaphthene	490	6.7	666.7	0	73.5	45-110	0			
Acenaphthylene	533	6.7	666.7	0	79.9	45-105	0			
Anthracene	555.3	6.7	666.7	0	83.3	55-105	0			
Benzo(a)anthracene	555.3	6.7	666.7	0	83.3	50-110	0			
Benzo(a)pyrene	549	6.7	666.7	0	82.3	50-110	0			
Benzo(b)fluoranthene	585	6.7	666.7	0	87.7	45-115	0			
Benzo(g,h,i)perylene	534.7	6.7	666.7	0	80.2	40-125	0			
Benzo(k)fluoranthene	579	6.7	666.7	0	86.8	45-115	0			
Chrysene	569	6.7	666.7	0	85.3	55-110	0			
Dibenzo(a,h)anthracene	551.3	6.7	666.7	0	82.7	40-125	0			
Fluoranthene	617	6.7	666.7	0	92.5	55-115	0			
Fluorene	485	6.7	666.7	0	72.7	50-110	0			
Indeno(1,2,3-cd)pyrene	563.3	6.7	666.7	0	84.5	40-120	0			
Naphthalene	457.7	6.7	666.7	0	68.6	40-105	0			
Phenanthrene	512.7	6.7	666.7	0	76.9	50-110	0			
Pyrene	528.3	6.7	666.7	0	79.2	45-125	0			
Surr: 2-Fluorobiphenyl	*1333*	0	*1667*	0	*80*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1561*	0	*1667*	0	*93.7*	*25-137*	0			
Surr: Nitrobenzene-d5	*1210*	0	*1667*	0	*72.6*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57822** Instrument ID **SVMS8** Method: **SW8270**

MS Sample ID: **1404759-38B MS** Units: **µg/Kg** Analysis Date: **4/22/2014 03:36 PM**
Client ID: **SO-17360-041414-DR-038** Run ID: **SVMS8_140422B** SeqNo: **2727436** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	946.1	13	1298	0	72.9	45-105	0			
Acenaphthene	885.8	13	1298	0	68.2	45-110	0			
Acenaphthylene	1014	13	1298	0	78.1	45-105	0			
Anthracene	1090	13	1298	37.3	81.1	55-105	0			
Benzo(a)anthracene	1201	13	1298	87.69	85.8	50-110	0			
Benzo(a)pyrene	1162	13	1298	101.4	81.7	50-110	0			
Benzo(b)fluoranthene	1221	13	1298	154.4	82.2	45-115	0			
Benzo(g,h,i)perylene	1165	13	1298	70.35	84.3	40-125	0			
Benzo(k)fluoranthene	1062	13	1298	73.95	76.1	45-115	0			
Chrysene	1227	13	1298	91.29	87.5	55-110	0			
Dibenzo(a,h)anthracene	1124	13	1298	0	86.6	40-125	0			
Fluoranthene	1437	13	1298	81.8	104	55-115	0			
Fluorene	970.8	13	1298	0	74.8	50-110	0			
Indeno(1,2,3-cd)pyrene	1238	13	1298	102.1	87.5	40-120	0			
Naphthalene	914.3	13	1298	0	70.4	40-105	0			
Phenanthrene	1043	13	1298	48.43	76.6	50-110	0			
Pyrene	1144	13	1298	57.59	83.7	45-125	0			
Surr: 2-Fluorobiphenyl	*2343*	0	*3245*	0	*72.2*	*12-100*	0			
Surr: 4-Terphenyl-d14	*2901*	0	*3245*	0	*89.4*	*25-137*	0			
Surr: Nitrobenzene-d5	*2219*	0	*3245*	0	*68.4*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57822** Instrument ID **SVMS8** Method: **SW8270**

MSD Sample ID: **1404759-38B MSD** Units: **µg/Kg** Analysis Date: **4/22/2014 03:56 PM**
Client ID: **SO-17360-041414-DR-038** Run ID: **SVMS8_140422B** SeqNo: **2727437** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	915.8	13	1322	0	69.3	45-105	946.1	3.26	30	
Acenaphthene	852.3	13	1322	0	64.5	45-110	885.8	3.85	30	
Acenaphthylene	922.4	13	1322	0	69.8	45-105	1014	9.49	30	
Anthracene	1035	13	1322	37.3	75.5	55-105	1090	5.1	30	
Benzo(a)anthracene	1142	13	1322	87.69	79.8	50-110	1201	5.02	30	
Benzo(a)pyrene	1090	13	1322	101.4	74.8	50-110	1162	6.34	30	
Benzo(b)fluoranthene	1150	13	1322	154.4	75.3	45-115	1221	6.04	30	
Benzo(g,h,i)perylene	1115	13	1322	70.35	79	40-125	1165	4.4	30	
Benzo(k)fluoranthene	1045	13	1322	73.95	73.5	45-115	1062	1.56	30	
Chrysene	1147	13	1322	91.29	79.9	55-110	1227	6.75	30	
Dibenzo(a,h)anthracene	1090	13	1322	0	82.4	40-125	1124	3.11	30	
Fluoranthene	1394	13	1322	81.8	99.3	55-115	1437	3.06	30	
Fluorene	978.5	13	1322	0	74	50-110	970.8	0.793	30	
Indeno(1,2,3-cd)pyrene	1180	13	1322	102.1	81.6	40-120	1238	4.81	30	
Naphthalene	847.7	13	1322	0	64.1	40-105	914.3	7.56	30	
Phenanthrene	973.2	13	1322	48.43	70	50-110	1043	6.9	30	
Pyrene	977.9	13	1322	57.59	69.6	45-125	1144	15.7	30	
Surr: 2-Fluorobiphenyl	*2145*	0	*3304*	0	*64.9*	*12-100*	2343	*8.82*	*40*	
Surr: 4-Terphenyl-d14	*2443*	0	*3304*	0	*74*	*25-137*	2901	*17.1*	*40*	
Surr: Nitrobenzene-d5	*2046*	0	*3304*	0	*61.9*	*37-107*	2219	*8.09*	*40*	

The following samples were analyzed in this batch:

1404759-13B	1404759-14B	1404759-15B
1404759-16B	1404759-17B	1404759-18B
1404759-19B	1404759-20B	1404759-21B
1404759-22B	1404759-23B	1404759-24B
1404759-25B	1404759-26B	1404759-27B
1404759-28B	1404759-29B	1404759-30B
1404759-31B	1404759-38B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57828** Instrument ID **SVMS4** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57828-57828** Units: **µg/Kg** Analysis Date: **4/22/2014 03:21 PM**
Client ID: Run ID: **SVMS4_140422A** SeqNo: **2727142** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1415*	0	*1667*	0	*84.9*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1712*	0	*1667*	0	*103*	*25-137*	0			
Surr: Nitrobenzene-d5	*1402*	0	*1667*	0	*84.1*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57828** Instrument ID **SVMS4** Method: **SW8270**

LCS Sample ID: **SLCSS1-57828-57828** Units: **µg/Kg** Analysis Date: **4/22/2014 02:40 PM**
Client ID: Run ID: **SVMS4_140422A** SeqNo: **2727140** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	533.7	6.7	666.7	0	80	45-105	0			
Acenaphthene	536.7	6.7	666.7	0	80.5	45-110	0			
Acenaphthylene	537.7	6.7	666.7	0	80.6	45-105	0			
Anthracene	599.7	6.7	666.7	0	89.9	55-105	0			
Benzo(a)anthracene	644.3	6.7	666.7	0	96.6	50-110	0			
Benzo(a)pyrene	612.7	6.7	666.7	0	91.9	50-110	0			
Benzo(b)fluoranthene	567.3	6.7	666.7	0	85.1	45-115	0			
Benzo(g,h,i)perylene	629.3	6.7	666.7	0	94.4	40-125	0			
Benzo(k)fluoranthene	647	6.7	666.7	0	97	45-115	0			
Chrysene	591.7	6.7	666.7	0	88.7	55-110	0			
Dibenzo(a,h)anthracene	634	6.7	666.7	0	95.1	40-125	0			
Fluoranthene	601.3	6.7	666.7	0	90.2	55-115	0			
Fluorene	552.7	6.7	666.7	0	82.9	50-110	0			
Indeno(1,2,3-cd)pyrene	626	6.7	666.7	0	93.9	40-120	0			
Naphthalene	527.7	6.7	666.7	0	79.1	40-105	0			
Phenanthrene	569.7	6.7	666.7	0	85.4	50-110	0			
Pyrene	603.7	6.7	666.7	0	90.5	45-125	0			
Surr: 2-Fluorobiphenyl	*1344*	0	*1667*	0	*80.6*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1703*	0	*1667*	0	*102*	*25-137*	0			
Surr: Nitrobenzene-d5	*1406*	0	*1667*	0	*84.3*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57828** Instrument ID **SVMS4** Method: **SW8270**

MS Sample ID: **1404759-51B MS** Units: **µg/Kg** Analysis Date: **4/22/2014 03:53 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **SVMS4_140422A** SeqNo: **2727143** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1013	13	1289	0	78.6	45-105	0			
Acenaphthene	1028	13	1289	0	79.7	45-110	0			
Acenaphthylene	1023	13	1289	0	79.3	45-105	0			
Anthracene	1174	13	1289	4.56	90.7	55-105	0			
Benzo(a)anthracene	1296	13	1289	0	101	50-110	0			
Benzo(a)pyrene	1205	13	1289	12.7	92.5	50-110	0			
Benzo(b)fluoranthene	1137	13	1289	13.03	87.2	45-115	0			
Benzo(g,h,i)perylene	1145	13	1289	7.818	88.2	40-125	0			
Benzo(k)fluoranthene	1313	13	1289	5.863	101	45-115	0			
Chrysene	1176	13	1289	13.36	90.2	55-110	0			
Dibenzo(a,h)anthracene	1163	13	1289	0	90.2	40-125	0			
Fluoranthene	1286	13	1289	19.54	98.2	55-115	0			
Fluorene	1086	13	1289	0	84.2	50-110	0			
Indeno(1,2,3-cd)pyrene	1180	13	1289	6.189	91.1	40-120	0			
Naphthalene	992.5	13	1289	0	77	40-105	0			
Phenanthrene	1172	13	1289	15.96	89.7	50-110	0			
Pyrene	1233	13	1289	17.26	94.4	45-125	0			
Surr: 2-Fluorobiphenyl	*2565*	0	*3222*	0	*79.6*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3184*	0	*3222*	0	*98.8*	*25-137*	0			
Surr: Nitrobenzene-d5	*2606*	0	*3222*	0	*80.9*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57828** Instrument ID **SVMS4** Method: **SW8270**

MSD Sample ID: **1404759-51B MSD** Units: **µg/Kg** Analysis Date: **4/22/2014 04:24 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **SVMS4_140422A** SeqNo: **2727145** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1008	13	1317	0	76.5	45-105	1013	0.5	30	
Acenaphthene	1021	13	1317	0	77.5	45-110	1028	0.719	30	
Acenaphthylene	1024	13	1317	0	77.8	45-105	1023	0.17	30	
Anthracene	1180	13	1317	4.56	89.2	55-105	1174	0.483	30	
Benzo(a)anthracene	1313	13	1317	0	99.7	50-110	1296	1.29	30	
Benzo(a)pyrene	1214	13	1317	12.7	91.2	50-110	1205	0.743	30	
Benzo(b)fluoranthene	1147	13	1317	13.03	86.1	45-115	1137	0.888	30	
Benzo(g,h,i)perylene	1102	13	1317	7.818	83.1	40-125	1145	3.77	30	
Benzo(k)fluoranthene	1328	13	1317	5.863	100	45-115	1313	1.11	30	
Chrysene	1183	13	1317	13.36	88.8	55-110	1176	0.541	30	
Dibenzo(a,h)anthracene	1148	13	1317	0	87.1	40-125	1163	1.3	30	
Fluoranthene	1268	13	1317	19.54	94.8	55-115	1286	1.38	30	
Fluorene	1079	13	1317	0	81.9	50-110	1086	0.625	30	
Indeno(1,2,3-cd)pyrene	1152	13	1317	6.189	87	40-120	1180	2.38	30	
Naphthalene	988.9	13	1317	0	75.1	40-105	992.5	0.355	30	
Phenanthrene	1159	13	1317	15.96	86.8	50-110	1172	1.15	30	
Pyrene	1219	13	1317	17.26	91.2	45-125	1233	1.2	30	
Surr: 2-Fluorobiphenyl	*2529*	0	*3292*	0	*76.8*	*12-100*	2565	*1.41*	*40*	
Surr: 4-Terphenyl-d14	*3242*	0	*3292*	0	*98.5*	*25-137*	3184	*1.82*	*40*	
Surr: Nitrobenzene-d5	*2540*	0	*3292*	0	*77.1*	*37-107*	2606	*2.57*	*40*	

The following samples were analyzed in this batch:

1404759-32B	1404759-33B	1404759-34B
1404759-35B	1404759-36B	1404759-37B
1404759-39B	1404759-40B	1404759-41B
1404759-42B	1404759-43B	1404759-44B
1404759-45B	1404759-46B	1404759-47B
1404759-48B	1404759-49B	1404759-50B
1404759-51B	1404759-52B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57854** Instrument ID **SVMS7** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57854-57854** Units: **µg/Kg** Analysis Date: **4/23/2014 11:15 AM**
Client ID: Run ID: **SVMS7_140423A** SeqNo: **2727390** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1318*	0	*1667*	0	*79.1*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1938*	0	*1667*	0	*116*	*25-137*	0			
Surr: Nitrobenzene-d5	*1046*	0	*1667*	0	*62.8*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57854** Instrument ID **SVMS7** Method: **SW8270**

LCS Sample ID: **SLCSS1-57854-57854** Units: **µg/Kg** Analysis Date: **4/23/2014 09:46 AM**
Client ID: Run ID: **SVMS7_140423A** SeqNo: **2727393** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	542.7	6.7	666.7	0	81.4	45-105	0			
Acenaphthene	521.3	6.7	666.7	0	78.2	45-110	0			
Acenaphthylene	550	6.7	666.7	0	82.5	45-105	0			
Anthracene	593.3	6.7	666.7	0	89	55-105	0			
Benzo(a)anthracene	563.7	6.7	666.7	0	84.5	50-110	0			
Benzo(a)pyrene	630.3	6.7	666.7	0	94.5	50-110	0			
Benzo(b)fluoranthene	605	6.7	666.7	0	90.7	45-115	0			
Benzo(g,h,i)perylene	613.3	6.7	666.7	0	92	40-125	0			
Benzo(k)fluoranthene	609	6.7	666.7	0	91.3	45-115	0			
Chrysene	572.7	6.7	666.7	0	85.9	55-110	0			
Dibenzo(a,h)anthracene	584.7	6.7	666.7	0	87.7	40-125	0			
Fluoranthene	597.3	6.7	666.7	0	89.6	55-115	0			
Fluorene	577	6.7	666.7	0	86.5	50-110	0			
Indeno(1,2,3-cd)pyrene	635.7	6.7	666.7	0	95.3	40-120	0			
Naphthalene	520	6.7	666.7	0	78	40-105	0			
Phenanthrene	560.3	6.7	666.7	0	84	50-110	0			
Pyrene	545	6.7	666.7	0	81.7	45-125	0			
Surr: 2-Fluorobiphenyl	*1342*	0	*1667*	0	*80.5*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1717*	0	*1667*	0	*103*	*25-137*	0			
Surr: Nitrobenzene-d5	*1241*	0	*1667*	0	*74.5*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57854** Instrument ID **SVMS7** Method: **SW8270**

MS Sample ID: **1404759-59B MS** Units: **µg/Kg** Analysis Date: **4/23/2014 10:08 AM**
Client ID: **SO-17360-041414-DR-059** Run ID: **SVMS7_140423A** SeqNo: **2727387** Prep Date: **4/22/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1416	130	1253	497.4	73.3	45-105	0			
Acenaphthene	1140	130	1253	0	91	45-110	0			
Acenaphthylene	1109	130	1253	245.4	68.9	45-105	0			
Anthracene	1134	130	1253	195.6	74.9	55-105	0			
Benzo(a)anthracene	1805	130	1253	706.3	87.6	50-110	0			
Benzo(a)pyrene	1773	130	1253	882.1	71.1	50-110	0			
Benzo(b)fluoranthene	2682	130	1253	1728	76.1	45-115	0			
Benzo(g,h,i)perylene	1410	130	1253	520.6	71	40-125	0			
Benzo(k)fluoranthene	1567	130	1253	573.7	79.2	45-115	0			
Chrysene	2055	130	1253	948.4	88.3	55-110	0			
Dibenzo(a,h)anthracene	1234	130	1253	351.5	70.4	40-125	0			
Fluoranthene	1554	130	1253	630.1	73.7	55-115	0			
Fluorene	1197	130	1253	0	95.5	50-110	0			
Indeno(1,2,3-cd)pyrene	1416	130	1253	550.5	69.1	40-120	0			
Naphthalene	1322	130	1253	497.4	65.8	40-105	0			
Phenanthrene	2619	130	1253	1310	104	50-110	0			
Pyrene	1961	130	1253	613.5	108	45-125	0			
Surr: 2-Fluorobiphenyl	*2174*	0	*3133*	0	*69.4*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3409*	0	*3133*	0	*109*	*25-137*	0			
Surr: Nitrobenzene-d5	*1780*	0	*3133*	0	*56.8*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57854** Instrument ID **SVMS7** Method: **SW8270**

MSD Sample ID: **1404759-59B MSD** Units: **µg/Kg** Analysis Date: **4/23/2014 10:30 AM**
Client ID: **SO-17360-041414-DR-059** Run ID: **SVMS7_140423A** SeqNo: **2727388** Prep Date: **4/22/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1606	130	1327	497.4	83.5	45-105	1416	12.5	30	
Acenaphthene	995.3	130	1327	0	75	45-110	1140	13.6	30	
Acenaphthylene	1135	130	1327	245.4	67	45-105	1109	2.27	30	
Anthracene	1121	130	1327	195.6	69.8	55-105	1134	1.14	30	
Benzo(a)anthracene	1831	130	1327	706.3	84.8	50-110	1805	1.46	30	
Benzo(a)pyrene	1699	130	1327	882.1	61.5	50-110	1773	4.31	30	
Benzo(b)fluoranthene	2382	130	1327	1728	49.3	45-115	2682	11.8	30	
Benzo(g,h,i)perylene	1340	130	1327	520.6	61.8	40-125	1410	5.06	30	
Benzo(k)fluoranthene	1559	130	1327	573.7	74.3	45-115	1567	0.469	30	
Chrysene	1891	130	1327	948.4	71	55-110	2055	8.33	30	
Dibenzo(a,h)anthracene	1294	130	1327	351.5	71	40-125	1234	4.7	30	
Fluoranthene	1639	130	1327	630.1	76	55-115	1554	5.31	30	
Fluorene	1181	130	1327	0	89	50-110	1197	1.33	30	
Indeno(1,2,3-cd)pyrene	1340	130	1327	550.5	59.5	40-120	1416	5.51	30	
Naphthalene	1354	130	1327	497.4	64.5	40-105	1322	2.34	30	
Phenanthrene	3404	130	1327	1310	158	50-110	2619	26	30	S
Pyrene	1626	130	1327	613.5	76.3	45-125	1961	18.7	30	
Surr: 2-Fluorobiphenyl	*2369*	0	*3318*	0	*71.4*	*12-100*	2174	*8.55*	*40*	
Surr: 4-Terphenyl-d14	*2880*	0	*3318*	0	*86.8*	*25-137*	3409	*16.8*	*40*	
Surr: Nitrobenzene-d5	*1918*	0	*3318*	0	*57.8*	*37-107*	1780	*7.46*	*40*	

The following samples were analyzed in this batch:

1404759-53B	1404759-54B	1404759-55B
1404759-56B	1404759-57B	1404759-58B
1404759-59B	1404759-60B	1404759-61B
1404759-62B	1404759-63B	1404759-64B
1404759-65B	1404759-66B	1404759-67B
1404759-68B	1404759-69B	1404759-73B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57883** Instrument ID **SVMS4** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57883-57883** Units: **µg/Kg** Analysis Date: **4/25/2014 11:51 AM**
Client ID: Run ID: **SVMS4_140425A** SeqNo: **2735002** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1376*	0	*1667*	0	*82.6*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1555*	0	*1667*	0	*93.3*	*25-137*	0			
Surr: Nitrobenzene-d5	*1348*	0	*1667*	0	*80.9*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57883** Instrument ID **SVMS4** Method: **SW8270**

LCS Sample ID: **SLCSS1-57883-57883** Units: **µg/Kg** Analysis Date: **4/25/2014 12:22 PM**
Client ID: Run ID: **SVMS4_140425A** SeqNo: **2735005** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	550.3	6.7	666.7	0	82.5	45-105	0			
Acenaphthene	566	6.7	666.7	0	84.9	45-110	0			
Acenaphthylene	551	6.7	666.7	0	82.6	45-105	0			
Anthracene	616	6.7	666.7	0	92.4	55-105	0			
Benzo(a)anthracene	683	6.7	666.7	0	102	50-110	0			
Benzo(a)pyrene	606.3	6.7	666.7	0	90.9	50-110	0			
Benzo(b)fluoranthene	546.7	6.7	666.7	0	82	45-115	0			
Benzo(g,h,i)perylene	588.7	6.7	666.7	0	88.3	40-125	0			
Benzo(k)fluoranthene	669	6.7	666.7	0	100	45-115	0			
Chrysene	610.7	6.7	666.7	0	91.6	55-110	0			
Dibenzo(a,h)anthracene	601.7	6.7	666.7	0	90.2	40-125	0			
Fluoranthene	609	6.7	666.7	0	91.3	55-115	0			
Fluorene	590.7	6.7	666.7	0	88.6	50-110	0			
Indeno(1,2,3-cd)pyrene	600.7	6.7	666.7	0	90.1	40-120	0			
Naphthalene	557.7	6.7	666.7	0	83.6	40-105	0			
Phenanthrene	590.7	6.7	666.7	0	88.6	50-110	0			
Pyrene	605.3	6.7	666.7	0	90.8	45-125	0			
Surr: 2-Fluorobiphenyl	*1315*	0	*1667*	0	*78.9*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1587*	0	*1667*	0	*95.2*	*25-137*	0			
Surr: Nitrobenzene-d5	*1341*	0	*1667*	0	*80.4*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57883** Instrument ID **SVMS4** Method: **SW8270**

MS Sample ID: **1404759-71B MS** Units: **µg/Kg** Analysis Date: **4/25/2014 12:54 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **SVMS4_140425A** SeqNo: **2735008** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	3013	13	1284	66.34	230	45-105	0			S
Acenaphthene	1052	13	1284	0	81.9	45-110	0			
Acenaphthylene	1043	13	1284	11.11	80.4	45-105	0			
Anthracene	1160	13	1284	10.13	89.6	55-105	0			
Benzo(a)anthracene	1425	13	1284	37.91	108	50-110	0			
Benzo(a)pyrene	1207	13	1284	45.1	90.5	50-110	0			
Benzo(b)fluoranthene	1566	13	1284	113.7	113	45-115	0			
Benzo(g,h,i)perylene	482.1	13	1284	20.59	35.9	40-125	0			S
Benzo(k)fluoranthene	1163	13	1284	33.34	88	45-115	0			
Chrysene	1390	13	1284	82.36	102	55-110	0			
Dibenzo(a,h)anthracene	628.4	13	1284	10.46	48.1	40-125	0			
Fluoranthene	1369	13	1284	59.15	102	55-115	0			
Fluorene	1101	13	1284	0	85.7	50-110	0			
Indeno(1,2,3-cd)pyrene	597.6	13	1284	18.63	45.1	40-120	0			
Naphthalene	2348	13	1284	49.02	179	40-105	0			S
Phenanthrene	2080	13	1284	56.87	158	50-110	0			S
Pyrene	1236	13	1284	55.23	91.9	45-125	0			
Surr: 2-Fluorobiphenyl	*2410*	0	*3210*	0	*75.1*	*12-100*	0			
Surr: 4-Terphenyl-d14	*2586*	0	*3210*	0	*80.6*	*25-137*	0			
Surr: Nitrobenzene-d5	*1895*	0	*3210*	0	*59*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57883** Instrument ID **SVMS4** Method: **SW8270**

MSD Sample ID: **1404759-71B MSD** Units: **µg/Kg** Analysis Date: **4/25/2014 01:25 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **SVMS4_140425A** SeqNo: **2735011** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2843	13	1307	66.34	212	45-105	3013	5.8	30	S
Acenaphthene	1135	13	1307	0	86.8	45-110	1052	7.55	30	
Acenaphthylene	1117	13	1307	11.11	84.6	45-105	1043	6.84	30	
Anthracene	1240	13	1307	10.13	94.1	55-105	1160	6.67	30	
Benzo(a)anthracene	1467	13	1307	37.91	109	50-110	1425	2.88	30	
Benzo(a)pyrene	1225	13	1307	45.1	90.2	50-110	1207	1.49	30	
Benzo(b)fluoranthene	1482	13	1307	113.7	105	45-115	1566	5.5	30	
Benzo(g,h,i)perylene	455.6	13	1307	20.59	33.3	40-125	482.1	5.65	30	S
Benzo(k)fluoranthene	1402	13	1307	33.34	105	45-115	1163	18.6	30	
Chrysene	1355	13	1307	82.36	97.3	55-110	1390	2.54	30	
Dibenzo(a,h)anthracene	626.1	13	1307	10.46	47.1	40-125	628.4	0.361	30	
Fluoranthene	1384	13	1307	59.15	101	55-115	1369	1.1	30	
Fluorene	1164	13	1307	0	89	50-110	1101	5.58	30	
Indeno(1,2,3-cd)pyrene	580.4	13	1307	18.63	43	40-120	597.6	2.92	30	
Naphthalene	2365	13	1307	49.02	177	40-105	2348	0.708	30	S
Phenanthrene	2062	13	1307	56.87	153	50-110	2080	0.882	30	S
Pyrene	1373	13	1307	55.23	101	45-125	1236	10.5	30	
Surr: 2-Fluorobiphenyl	*2631*	0	*3268*	0	*80.5*	*12-100*	2410	*8.8*	*40*	
Surr: 4-Terphenyl-d14	*2971*	0	*3268*	0	*90.9*	*25-137*	2586	*13.9*	*40*	
Surr: Nitrobenzene-d5	*2367*	0	*3268*	0	*72.4*	*37-107*	1895	*22.1*	*40*	

The following samples were analyzed in this batch: 1404759-70B 1404759-71B 1404759-72B 1404759-74B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57910** Instrument ID **SVMS8** Method: **SW8270**

MBLK Sample ID: **SBLKS1-57910-57910** Units: **µg/Kg** Analysis Date: **4/25/2014 02:33 PM**
Client ID: Run ID: **SVMS8_140425A** SeqNo: **2733721** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	U	6.7								
Acenaphthene	U	6.7								
Acenaphthylene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(g,h,i)perylene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Phenanthrene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	*1362*	0	*1667*	0	*81.7*	*12-100*	0			
Surr: 4-Terphenyl-d14	*2163*	0	*1667*	0	*130*	*25-137*	0			
Surr: Nitrobenzene-d5	*1315*	0	*1667*	0	*78.9*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57910** Instrument ID **SVMS8** Method: **SW8270**

LCS Sample ID: **SLCSS1-57910-57910** Units: **µg/Kg** Analysis Date: **4/25/2014 02:54 PM**
Client ID: Run ID: **SVMS8_140425A** SeqNo: **2733722** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	528.3	6.7	666.7	0	79.2	45-105	0			
Acenaphthene	503	6.7	666.7	0	75.4	45-110	0			
Acenaphthylene	511.3	6.7	666.7	0	76.7	45-105	0			
Anthracene	580.3	6.7	666.7	0	87	55-105	0			
Benzo(a)anthracene	591.3	6.7	666.7	0	88.7	50-110	0			
Benzo(a)pyrene	592	6.7	666.7	0	88.8	50-110	0			
Benzo(b)fluoranthene	588.7	6.7	666.7	0	88.3	45-115	0			
Benzo(g,h,i)perylene	614	6.7	666.7	0	92.1	40-125	0			
Benzo(k)fluoranthene	583.3	6.7	666.7	0	87.5	45-115	0			
Chrysene	632.7	6.7	666.7	0	94.9	55-110	0			
Dibenzo(a,h)anthracene	596.7	6.7	666.7	0	89.5	40-125	0			
Fluoranthene	590.3	6.7	666.7	0	88.5	55-115	0			
Fluorene	582	6.7	666.7	0	87.3	50-110	0			
Indeno(1,2,3-cd)pyrene	599	6.7	666.7	0	89.8	40-120	0			
Naphthalene	511.7	6.7	666.7	0	76.7	40-105	0			
Phenanthrene	570	6.7	666.7	0	85.5	50-110	0			
Pyrene	664	6.7	666.7	0	99.6	45-125	0			
Surr: 2-Fluorobiphenyl	*1357*	0	*1667*	0	*81.4*	*12-100*	0			
Surr: 4-Terphenyl-d14	*2045*	0	*1667*	0	*123*	*25-137*	0			
Surr: Nitrobenzene-d5	*1388*	0	*1667*	0	*83.3*	*37-107*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57910** Instrument ID **SVMS8** Method: **SW8270**

MS Sample ID: **1404994-02C MS** Units: **µg/Kg** Analysis Date: **4/25/2014 05:25 PM**
Client ID: Run ID: **SVMS8_140425A** SeqNo: **2733728** Prep Date: **4/24/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1312	530	1312	0	100	45-105	0			
Acenaphthene	2650	530	1312	0	202	45-110	0			S
Acenaphthylene	3070	530	1312	0	234	45-105	0			S
Anthracene	3437	530	1312	1188	171	55-105	0			S
Benzo(a)anthracene	3280	530	1312	1254	154	50-110	0			S
Benzo(a)pyrene	5169	530	1312	2297	219	50-110	0			S
Benzo(b)fluoranthene	4487	530	1312	1927	195	45-115	0			S
Benzo(g,h,i)perylene	3490	530	1312	1333	164	40-125	0			S
Benzo(k)fluoranthene	3883	530	1312	1518	180	45-115	0			S
Chrysene	1889	530	1312	660	93.7	55-110	0			
Dibenzo(a,h)anthracene	3726	530	1312	1426	175	40-125	0			S
Fluoranthene	5195	530	1312	2534	203	55-115	0			S
Fluorene	1286	530	1312	0	98	50-110	0			
Indeno(1,2,3-cd)pyrene	5064	530	1312	2006	233	40-120	0			S
Naphthalene	1207	530	1312	0	92	40-105	0			
Phenanthrene	2152	530	1312	831.6	101	50-110	0			
Pyrene	3385	530	1312	1531	141	45-125	0			S
Surr: 2-Fluorobiphenyl	*3122*	0	*3280*	0	*95.2*	*12-100*	0			
Surr: 4-Terphenyl-d14	*4565*	0	*3280*	0	*139*	*25-137*	0			*S*
Surr: Nitrobenzene-d5	*4854*	0	*3280*	0	*148*	*37-107*	0			*S*

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57910** Instrument ID **SVMS8** Method: **SW8270**

MSD Sample ID: **1404994-02C MSD** Units: **µg/Kg** Analysis Date: **4/25/2014 05:46 PM**
Client ID: Run ID: **SVMS8_140425A** SeqNo: **2733729** Prep Date: **4/24/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1241	510	1266	0	98	45-105	1312	5.58	30	
Acenaphthene	2532	510	1266	0	200	45-110	2650	4.56	30	S
Acenaphthylene	2886	510	1266	0	228	45-105	3070	6.16	30	S
Anthracene	3216	510	1266	1188	160	55-105	3437	6.66	30	S
Benzo(a)anthracene	3165	510	1266	1254	151	50-110	3280	3.56	30	S
Benzo(a)pyrene	5064	510	1266	2297	219	50-110	5169	2.05	30	S
Benzo(b)fluoranthene	4279	510	1266	1927	186	45-115	4487	4.74	30	S
Benzo(g,h,i)perylene	3266	510	1266	1333	153	40-125	3490	6.61	30	S
Benzo(k)fluoranthene	3697	510	1266	1518	172	45-115	3883	4.92	30	S
Chrysene	1696	510	1266	660	81.9	55-110	1889	10.8	30	
Dibenzo(a,h)anthracene	3595	510	1266	1426	171	40-125	3726	3.56	30	S
Fluoranthene	4887	510	1266	2534	186	55-115	5195	6.12	30	S
Fluorene	1317	510	1266	0	104	50-110	1286	2.38	30	
Indeno(1,2,3-cd)pyrene	4659	510	1266	2006	210	40-120	5064	8.33	30	S
Naphthalene	1241	510	1266	0	98	40-105	1207	2.75	30	
Phenanthrene	2026	510	1266	831.6	94.3	50-110	2152	6.03	30	
Pyrene	3317	510	1266	1531	141	45-125	3385	2.02	30	S
Surr: 2-Fluorobiphenyl	*2861*	0	*3165*	0	*90.4*	*12-100*	3122	*8.73*	*40*	
Surr: 4-Terphenyl-d14	*4608*	0	*3165*	0	*146*	*25-137*	4565	*0.932*	*40*	*S*
Surr: Nitrobenzene-d5	*4583*	0	*3165*	0	*145*	*37-107*	4854	*5.75*	*40*	*S*

The following samples were analyzed in this batch: 1404759-47B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-57896-57896** Units: **µg/Kg** Analysis Date: **4/23/2014 11:22 PM**
Client ID: Run ID: **VMS6_140423A** SeqNo: **2729216** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
Isopropylbenzene	U	30								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*988*	0	*1000*	0	*98.8*	*70-130*	0
Surr: 4-Bromofluorobenzene	*975*	0	*1000*	0	*97.5*	*70-130*	0
Surr: Dibromofluoromethane	*947*	0	*1000*	0	*94.7*	*70-130*	0
Surr: Toluene-d8	*991*	0	*1000*	0	*99.1*	*70-130*	0

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-57896-57896** Units: **µg/Kg** Analysis Date: **4/23/2014 10:05 PM**
Client ID: Run ID: **VMS6_140423A** SeqNo: **2729214** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	860.5	30	1000	0	86	70-135	0			
1,1,2,2-Tetrachloroethane	851.5	30	1000	0	85.2	55-130	0			
1,1,2-Trichloroethane	888.5	30	1000	0	88.8	60-125	0			
1,1-Dichloroethane	858	30	1000	0	85.8	75-125	0			
1,1-Dichloroethene	862	30	1000	0	86.2	65-135	0			
1,2,4-Trichlorobenzene	859	30	1000	0	85.9	65-130	0			
1,2-Dibromo-3-chloropropane	698	30	1000	0	69.8	40-135	0			
1,2-Dibromoethane	893	30	1000	0	89.3	75-125	0			
1,2-Dichlorobenzene	875	30	1000	0	87.5	75-120	0			
1,2-Dichloroethane	881	30	1000	0	88.1	70-135	0			
1,2-Dichloropropane	883	30	1000	0	88.3	70-120	0			
1,3-Dichlorobenzene	922.5	30	1000	0	92.2	70-125	0			
1,4-Dichlorobenzene	925	30	1000	0	92.5	70-125	0			
2-Butanone	907	200	1000	0	90.7	30-160	0			
2-Hexanone	773	30	1000	0	77.3	45-145	0			
4-Methyl-2-pentanone	1006	30	1000	0	101	96-168	0			
Acetone	743	100	1000	0	74.3	20-160	0			
Benzene	842	30	1000	0	84.2	75-125	0			
Bromodichloromethane	892	30	1000	0	89.2	70-130	0			
Bromoform	737.5	30	1000	0	73.8	55-135	0			
Bromomethane	1322	75	1000	0	132	30-160	0			
Carbon disulfide	977	30	1000	0	97.7	45-160	0			
Carbon tetrachloride	865.5	30	1000	0	86.6	65-135	0			
Chlorobenzene	882	30	1000	0	88.2	75-125	0			
Chloroethane	852.5	100	1000	0	85.2	40-155	0			
Chloroform	844.5	30	1000	0	84.4	70-125	0			
Chloromethane	753.5	100	1000	0	75.4	50-130	0			
cis-1,2-Dichloroethene	876	30	1000	0	87.6	65-125	0			
cis-1,3-Dichloropropene	930	30	1000	0	93	70-125	0			
Dibromochloromethane	697	30	1000	0	69.7	65-135	0			
Dichlorodifluoromethane	546.5	30	1000	0	54.6	35-135	0			
Ethylbenzene	860	30	1000	0	86	75-125	0			
Isopropylbenzene	856.5	30	1000	0	85.6	75-130	0			
Methyl tert-butyl ether	933.5	30	1000	0	93.4	75-125	0			
Methylene chloride	931	30	1000	0	93.1	55-145	0			
Styrene	900.5	30	1000	0	90	75-125	0			
Tetrachloroethene	835	30	1000	0	83.5	64-140	0			
Toluene	842.5	30	1000	0	84.2	70-125	0			
trans-1,2-Dichloroethene	892.5	30	1000	0	89.2	65-135	0			
trans-1,3-Dichloropropene	773.5	30	1000	0	77.4	65-125	0			
Trichloroethene	825	30	1000	0	82.5	75-125	0			
Trichlorofluoromethane	807	30	1000	0	80.7	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	715.5	30	1000	0	71.6	60-125	0
Xylenes, Total	2614	90	3000	0	87.1	75-125	0
Surr: 1,2-Dichloroethane-d4	*966.5*	0	*1000*	0	*96.6*	*70-130*	0
Surr: 4-Bromofluorobenzene	*997*	0	*1000*	0	*99.7*	*70-130*	0
Surr: Dibromofluoromethane	*1012*	0	*1000*	0	*101*	*70-130*	0
Surr: Toluene-d8	*982.5*	0	*1000*	0	*98.2*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **1404759-38A MS** Units: **µg/Kg** Analysis Date: **4/25/2014 12:22 PM**
Client ID: **SO-17360-041414-DR-038** Run ID: **VMS5_140424B** SeqNo: **2730686** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1558	50	1658	0	94	70-135	0			
1,1,2,2-Tetrachloroethane	1626	50	1658	0	98	55-130	0			
1,1,2-Trichloroethane	1580	50	1658	0	95.3	60-125	0			
1,1-Dichloroethane	1592	50	1658	0	96	75-125	0			
1,1-Dichloroethene	1677	50	1658	0	101	65-135	0			
1,2,4-Trichlorobenzene	1595	50	1658	0	96.2	65-130	0			
1,2-Dibromo-3-chloropropane	1192	50	1658	0	71.9	40-135	0			
1,2-Dibromoethane	1772	50	1658	0	107	75-125	0			
1,2-Dichlorobenzene	1590	50	1658	0	95.8	75-120	0			
1,2-Dichloroethane	1508	50	1658	0	91	70-135	0			
1,2-Dichloropropane	1507	50	1658	0	90.9	70-120	0			
1,3-Dichlorobenzene	1624	50	1658	0	97.9	70-125	0			
1,4-Dichlorobenzene	1563	50	1658	0	94.2	70-125	0			
2-Butanone	1886	330	1658	0	114	30-160	0			
2-Hexanone	1716	50	1658	0	104	45-145	0			
4-Methyl-2-pentanone	2062	50	1658	0	124	89-161	0			
Acetone	2313	170	1658	0	140	20-160	0			
Benzene	1722	50	1658	117	96.8	75-125	0			
Bromodichloromethane	1401	50	1658	0	84.5	70-130	0			
Bromoform	1070	50	1658	0	64.6	55-135	0			
Bromomethane	1473	120	1658	0	88.8	30-160	0			
Carbon disulfide	1643	50	1658	0	99	45-160	0			
Carbon tetrachloride	1532	50	1658	0	92.4	65-135	0			
Chlorobenzene	1621	50	1658	0	97.8	75-125	0			
Chloroethane	1838	170	1658	0	111	40-155	0			
Chloroform	1526	50	1658	0	92	70-125	0			
Chloromethane	1556	170	1658	0	93.8	50-130	0			
cis-1,2-Dichloroethene	1559	50	1658	0	94	65-125	0			
cis-1,3-Dichloropropene	1481	50	1658	0	89.3	70-125	0			
Dibromochloromethane	1132	50	1658	0	68.2	65-135	0			
Dichlorodifluoromethane	1344	50	1658	0	81	35-135	0			
Ethylbenzene	1795	50	1658	58.08	105	75-125	0			
Isopropylbenzene	1750	50	1658	36.11	103	75-130	0			
Methyl tert-butyl ether	1530	50	1658	0	92.2	75-125	0			
Methylene chloride	1726	50	1658	0	104	55-145	0			
Styrene	1712	50	1658	0	103	75-125	0			
Tetrachloroethene	1644	50	1658	0	99.2	64-140	0			
Toluene	1975	50	1658	281.8	102	70-125	0			
trans-1,2-Dichloroethene	1701	50	1658	0	103	65-135	0			
trans-1,3-Dichloropropene	1491	50	1658	0	89.9	65-125	0			
Trichloroethene	1600	50	1658	0	96.4	75-125	0			
Trichlorofluoromethane	1613	50	1658	0	97.2	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	1661	50	1658	0	100	60-125	0
Xylenes, Total	5972	150	4975	490	110	75-125	0
Surr: 1,2-Dichloroethane-d4	*1553*	0	*1658*	0	*93.6*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1552*	0	*1658*	0	*93.6*	*70-130*	0
Surr: Dibromofluoromethane	*1607*	0	*1658*	0	*96.9*	*70-130*	0
Surr: Toluene-d8	*1645*	0	*1658*	0	*99.2*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **1404759-38A MSD** Units: **µg/Kg** Analysis Date: **4/25/2014 12:47 PM**

Client ID: **SO-17360-041414-DR-038** Run ID: **VMS5_140424B** SeqNo: **2730687** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1541	50	1658	0	93	70-135	1558	1.07	30	
1,1,2,2-Tetrachloroethane	1578	50	1658	0	95.2	55-130	1626	3	30	
1,1,2-Trichloroethane	1574	50	1658	0	94.9	60-125	1580	0.421	30	
1,1-Dichloroethane	1538	50	1658	0	92.8	75-125	1592	3.44	30	
1,1-Dichloroethene	1585	50	1658	0	95.6	65-135	1677	5.59	30	
1,2,4-Trichlorobenzene	1680	50	1658	0	101	65-130	1595	5.22	30	
1,2-Dibromo-3-chloropropane	1137	50	1658	0	68.6	40-135	1192	4.77	30	
1,2-Dibromoethane	1741	50	1658	0	105	75-125	1772	1.75	30	
1,2-Dichlorobenzene	1655	50	1658	0	99.8	75-120	1590	4.04	30	
1,2-Dichloroethane	1493	50	1658	0	90	70-135	1508	0.994	30	
1,2-Dichloropropane	1496	50	1658	0	90.2	70-120	1507	0.773	30	
1,3-Dichlorobenzene	1677	50	1658	0	101	70-125	1624	3.22	30	
1,4-Dichlorobenzene	1633	50	1658	0	98.5	70-125	1563	4.41	30	
2-Butanone	1639	330	1658	0	98.8	30-160	1886	14	30	
2-Hexanone	1627	50	1658	0	98.1	45-145	1716	5.36	30	
4-Methyl-2-pentanone	1920	50	1658	0	116	89-161	2062	7.16	30	
Acetone	2054	170	1658	0	124	20-160	2313	11.9	30	
Benzene	1694	50	1658	117	95.1	75-125	1722	1.65	30	
Bromodichloromethane	1471	50	1658	0	88.7	70-130	1401	4.85	30	
Bromoform	1064	50	1658	0	64.2	55-135	1070	0.622	30	
Bromomethane	1172	120	1658	0	70.6	30-160	1473	22.8	30	
Carbon disulfide	1551	50	1658	0	93.5	45-160	1643	5.76	30	
Carbon tetrachloride	1515	50	1658	0	91.4	65-135	1532	1.14	30	
Chlorobenzene	1590	50	1658	0	95.9	75-125	1621	1.91	30	
Chloroethane	1798	170	1658	0	108	40-155	1838	2.23	30	
Chloroform	1489	50	1658	0	89.8	70-125	1526	2.42	30	
Chloromethane	1434	170	1658	0	86.5	50-130	1556	8.15	30	
cis-1,2-Dichloroethene	1485	50	1658	0	89.6	65-125	1559	4.85	30	
cis-1,3-Dichloropropene	1492	50	1658	0	90	70-125	1481	0.725	30	
Dibromochloromethane	1145	50	1658	0	69	65-135	1132	1.17	30	
Dichlorodifluoromethane	1249	50	1658	0	75.3	35-135	1344	7.36	30	
Ethylbenzene	1796	50	1658	58.08	105	75-125	1795	0.0462	30	
Isopropylbenzene	1788	50	1658	36.11	106	75-130	1750	2.16	30	
Methyl tert-butyl ether	1517	50	1658	0	91.4	75-125	1530	0.871	30	
Methylene chloride	1667	50	1658	0	100	55-145	1726	3.47	30	
Styrene	1722	50	1658	0	104	75-125	1712	0.579	30	
Tetrachloroethene	1618	50	1658	0	97.6	64-140	1644	1.63	30	
Toluene	1947	50	1658	281.8	100	70-125	1975	1.44	30	
trans-1,2-Dichloroethene	1606	50	1658	0	96.8	65-135	1701	5.77	30	
trans-1,3-Dichloropropene	1499	50	1658	0	90.4	65-125	1491	0.555	30	
Trichloroethene	1588	50	1658	0	95.8	75-125	1600	0.728	30	
Trichlorofluoromethane	1522	50	1658	0	91.8	25-185	1613	5.82	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57896** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	1543	50	1658	0	93	60-125	1661	7.35	30
Xylenes, Total	5934	150	4975	490	109	75-125	5972	0.641	30
Surr: 1,2-Dichloroethane-d4	*1590*	0	*1658*	0	*95.9*	*70-130*	1553	*2.37*	*30*
Surr: 4-Bromofluorobenzene	*1535*	0	*1658*	0	*92.6*	*70-130*	1552	*1.13*	*30*
Surr: Dibromofluoromethane	*1637*	0	*1658*	0	*98.7*	*70-130*	1607	*1.84*	*30*
Surr: Toluene-d8	*1634*	0	*1658*	0	*98.6*	*70-130*	1645	*0.657*	*30*

The following samples were analyzed in this batch:

1404759-01A	1404759-02A	1404759-03A
1404759-04A	1404759-05A	1404759-06A
1404759-07A	1404759-08A	1404759-09A
1404759-10A	1404759-11A	1404759-12A
1404759-13A	1404759-14A	1404759-15A
1404759-16A	1404759-17A	1404759-38A
1404759-75A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

MBLK Sample ID: **MBLK-57907-57907** Units: **µg/Kg** Analysis Date: **4/23/2014 04:19 PM**
Client ID: Run ID: **VMS9_140423A** SeqNo: **2728437** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
Isopropylbenzene	U	30								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*889*	0	*1000*	0	*88.9*	*70-130*	0
Surr: 4-Bromofluorobenzene	*859*	0	*1000*	0	*85.9*	*70-130*	0
Surr: Dibromofluoromethane	*906.5*	0	*1000*	0	*90.6*	*70-130*	0
Surr: Toluene-d8	*1030*	0	*1000*	0	*103*	*70-130*	0

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

LCS Sample ID: **LCS-57907-57907** Units: **µg/Kg** Analysis Date: **4/23/2014 02:42 PM**
Client ID: Run ID: **VMS9_140423A** SeqNo: **2728436** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	996	30	1000	0	99.6	70-135	0			
1,1,2,2-Tetrachloroethane	1009	30	1000	0	101	55-130	0			
1,1,2-Trichloroethane	966	30	1000	0	96.6	60-125	0			
1,1-Dichloroethane	1046	30	1000	0	105	75-125	0			
1,1-Dichloroethene	1173	30	1000	0	117	65-135	0			
1,2,4-Trichlorobenzene	960.5	30	1000	0	96	65-130	0			
1,2-Dibromo-3-chloropropane	961	30	1000	0	96.1	40-135	0			
1,2-Dibromoethane	1015	30	1000	0	102	75-125	0			
1,2-Dichlorobenzene	1036	30	1000	0	104	75-120	0			
1,2-Dichloroethane	1042	30	1000	0	104	70-135	0			
1,2-Dichloropropane	1039	30	1000	0	104	70-120	0			
1,3-Dichlorobenzene	1100	30	1000	0	110	70-125	0			
1,4-Dichlorobenzene	1030	30	1000	0	103	70-125	0			
2-Butanone	1156	200	1000	0	116	30-160	0			
2-Hexanone	991	30	1000	0	99.1	45-145	0			
4-Methyl-2-pentanone	1372	30	1000	0	137	96-168	0			
Acetone	1154	100	1000	0	115	20-160	0			
Benzene	1146	30	1000	0	115	75-125	0			
Bromodichloromethane	982.5	30	1000	0	98.2	70-130	0			
Bromoform	902	30	1000	0	90.2	55-135	0			
Bromomethane	983	75	1000	0	98.3	30-160	0			
Carbon disulfide	1265	30	1000	0	126	45-160	0			
Carbon tetrachloride	950.5	30	1000	0	95	65-135	0			
Chlorobenzene	1070	30	1000	0	107	75-125	0			
Chloroethane	1072	100	1000	0	107	40-155	0			
Chloroform	1008	30	1000	0	101	70-125	0			
Chloromethane	917.5	100	1000	0	91.8	50-130	0			
cis-1,2-Dichloroethene	1058	30	1000	0	106	65-125	0			
cis-1,3-Dichloropropene	1002	30	1000	0	100	70-125	0			
Dibromochloromethane	815	30	1000	0	81.5	65-135	0			
Dichlorodifluoromethane	845	30	1000	0	84.5	35-135	0			
Ethylbenzene	1027	30	1000	0	103	75-125	0			
Isopropylbenzene	1042	30	1000	0	104	75-130	0			
Methyl tert-butyl ether	979.5	30	1000	0	98	75-125	0			
Methylene chloride	1129	30	1000	0	113	55-145	0			
Styrene	978	30	1000	0	97.8	75-125	0			
Tetrachloroethene	1206	30	1000	0	121	64-140	0			
Toluene	1120	30	1000	0	112	70-125	0			
trans-1,2-Dichloroethene	1132	30	1000	0	113	65-135	0			
trans-1,3-Dichloropropene	947.5	30	1000	0	94.8	65-125	0			
Trichloroethene	1046	30	1000	0	105	75-125	0			
Trichlorofluoromethane	893	30	1000	0	89.3	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

Vinyl chloride	995	30	1000	0	99.5	60-125	0
Xylenes, Total	3090	90	3000	0	103	75-125	0
Surr: 1,2-Dichloroethane-d4	*933.5*	0	*1000*	0	*93.4*	*70-130*	0
Surr: 4-Bromofluorobenzene	*971*	0	*1000*	0	*97.1*	*70-130*	0
Surr: Dibromofluoromethane	*961*	0	*1000*	0	*96.1*	*70-130*	0
Surr: Toluene-d8	*1020*	0	*1000*	0	*102*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

MS Sample ID: **1404759-51A MS** Units: **µg/Kg** Analysis Date: **4/26/2014 02:14 AM**
Client ID: **SO-17360-041414-DR-051** Run ID: **VMS5_140425A** SeqNo: **2732198** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	965	30	1000	0	96.5	70-135	0			
1,1,2,2-Tetrachloroethane	942.5	30	1000	0	94.2	55-130	0			
1,1,2-Trichloroethane	964.5	30	1000	0	96.4	60-125	0			
1,1-Dichloroethane	953.5	30	1000	0	95.4	75-125	0			
1,1-Dichloroethene	1016	30	1000	0	102	65-135	0			
1,2,4-Trichlorobenzene	894.5	30	1000	0	89.4	65-130	0			
1,2-Dibromo-3-chloropropane	661	30	1000	0	66.1	40-135	0			
1,2-Dibromoethane	1078	30	1000	0	108	75-125	0			
1,2-Dichlorobenzene	950.5	30	1000	0	95	75-120	0			
1,2-Dichloroethane	931	30	1000	0	93.1	70-135	0			
1,2-Dichloropropane	932.5	30	1000	0	93.2	70-120	0			
1,3-Dichlorobenzene	963	30	1000	0	96.3	70-125	0			
1,4-Dichlorobenzene	933	30	1000	0	93.3	70-125	0			
2-Butanone	1012	200	1000	0	101	30-160	0			
2-Hexanone	937.5	30	1000	0	93.8	45-145	0			
4-Methyl-2-pentanone	1188	30	1000	0	119	89-161	0			
Acetone	1092	100	1000	0	109	20-160	0			
Benzene	976.5	30	1000	0	97.6	75-125	0			
Bromodichloromethane	882	30	1000	0	88.2	70-130	0			
Bromoform	638	30	1000	0	63.8	55-135	0			
Bromomethane	1126	75	1000	0	113	30-160	0			
Carbon disulfide	974	30	1000	0	97.4	45-160	0			
Carbon tetrachloride	956	30	1000	0	95.6	65-135	0			
Chlorobenzene	977	30	1000	0	97.7	75-125	0			
Chloroethane	1053	100	1000	0	105	40-155	0			
Chloroform	905.5	30	1000	0	90.6	70-125	0			
Chloromethane	936	100	1000	0	93.6	50-130	0			
cis-1,2-Dichloroethene	905.5	30	1000	0	90.6	65-125	0			
cis-1,3-Dichloropropene	874	30	1000	0	87.4	70-125	0			
Dibromochloromethane	680.5	30	1000	0	68	65-135	0			
Dichlorodifluoromethane	850.5	30	1000	0	85	35-135	0			
Ethylbenzene	1034	30	1000	0	103	75-125	0			
Isopropylbenzene	998.5	30	1000	0	99.8	75-130	0			
Methyl tert-butyl ether	912	30	1000	0	91.2	75-125	0			
Methylene chloride	1036	30	1000	0	104	55-145	0			
Styrene	1021	30	1000	0	102	75-125	0			
Tetrachloroethene	978	30	1000	0	97.8	64-140	0			
Toluene	989.5	30	1000	0	99	70-125	0			
trans-1,2-Dichloroethene	1000	30	1000	0	100	65-135	0			
trans-1,3-Dichloropropene	873.5	30	1000	0	87.4	65-125	0			
Trichloroethene	986.5	30	1000	0	98.6	75-125	0			
Trichlorofluoromethane	1001	30	1000	0	100	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

Vinyl chloride	1020	30	1000	0	102	60-125	0
Xylenes, Total	2980	90	3000	0	99.3	75-125	0
Surr: 1,2-Dichloroethane-d4	*945*	0	*1000*	0	*94.5*	*70-130*	0
Surr: 4-Bromofluorobenzene	*907.5*	0	*1000*	0	*90.8*	*70-130*	0
Surr: Dibromofluoromethane	*980*	0	*1000*	0	*98*	*70-130*	0
Surr: Toluene-d8	*976.5*	0	*1000*	0	*97.6*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

MSD Sample ID: **1404759-51A MSD** Units: **µg/Kg** Analysis Date: **4/26/2014 02:38 AM**
Client ID: **SO-17360-041414-DR-051** Run ID: **VMS5_140425A** SeqNo: **2732199** Prep Date: **4/23/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	892.5	30	1000	0	89.2	70-135	965	7.81	30	
1,1,2,2-Tetrachloroethane	916.5	30	1000	0	91.6	55-130	942.5	2.8	30	
1,1,2-Trichloroethane	930	30	1000	0	93	60-125	964.5	3.64	30	
1,1-Dichloroethane	902.5	30	1000	0	90.2	75-125	953.5	5.5	30	
1,1-Dichloroethene	938.5	30	1000	0	93.8	65-135	1016	7.93	30	
1,2,4-Trichlorobenzene	934	30	1000	0	93.4	65-130	894.5	4.32	30	
1,2-Dibromo-3-chloropropane	640	30	1000	0	64	40-135	661	3.23	30	
1,2-Dibromoethane	1026	30	1000	0	103	75-125	1078	4.85	30	
1,2-Dichlorobenzene	950.5	30	1000	0	95	75-120	950.5	0	30	
1,2-Dichloroethane	879	30	1000	0	87.9	70-135	931	5.75	30	
1,2-Dichloropropane	889	30	1000	0	88.9	70-120	932.5	4.78	30	
1,3-Dichlorobenzene	953.5	30	1000	0	95.4	70-125	963	0.991	30	
1,4-Dichlorobenzene	922	30	1000	0	92.2	70-125	933	1.19	30	
2-Butanone	955.5	200	1000	0	95.6	30-160	1012	5.74	30	
2-Hexanone	892	30	1000	0	89.2	45-145	937.5	4.97	30	
4-Methyl-2-pentanone	1134	30	1000	0	113	89-161	1188	4.65	30	
Acetone	1022	100	1000	0	102	20-160	1092	6.72	30	
Benzene	914	30	1000	0	91.4	75-125	976.5	6.61	30	
Bromodichloromethane	836.5	30	1000	0	83.6	70-130	882	5.3	30	
Bromoform	620	30	1000	0	62	55-135	638	2.86	30	
Bromomethane	538.5	75	1000	0	53.8	30-160	1126	70.6	30	R
Carbon disulfide	879.5	30	1000	0	88	45-160	974	10.2	30	
Carbon tetrachloride	867.5	30	1000	0	86.8	65-135	956	9.71	30	
Chlorobenzene	935	30	1000	0	93.5	75-125	977	4.39	30	
Chloroethane	1102	100	1000	0	110	40-155	1053	4.59	30	
Chloroform	875.5	30	1000	0	87.6	70-125	905.5	3.37	30	
Chloromethane	871	100	1000	0	87.1	50-130	936	7.19	30	
cis-1,2-Dichloroethene	853	30	1000	0	85.3	65-125	905.5	5.97	30	
cis-1,3-Dichloropropene	837	30	1000	0	83.7	70-125	874	4.32	30	
Dibromochloromethane	653.5	30	1000	0	65.4	65-135	680.5	4.05	30	
Dichlorodifluoromethane	764.5	30	1000	0	76.4	35-135	850.5	10.7	30	
Ethylbenzene	969	30	1000	0	96.9	75-125	1034	6.49	30	
Isopropylbenzene	985	30	1000	0	98.5	75-130	998.5	1.36	30	
Methyl tert-butyl ether	900	30	1000	0	90	75-125	912	1.32	30	
Methylene chloride	994	30	1000	0	99.4	55-145	1036	4.09	30	
Styrene	973.5	30	1000	0	97.4	75-125	1021	4.76	30	
Tetrachloroethene	938.5	30	1000	0	93.8	64-140	978	4.12	30	
Toluene	930.5	30	1000	0	93	70-125	989.5	6.15	30	
trans-1,2-Dichloroethene	934	30	1000	0	93.4	65-135	1000	6.83	30	
trans-1,3-Dichloropropene	852.5	30	1000	0	85.2	65-125	873.5	2.43	30	
Trichloroethene	890	30	1000	0	89	75-125	986.5	10.3	30	
Trichlorofluoromethane	944	30	1000	0	94.4	25-185	1001	5.86	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57907** Instrument ID **VMS9** Method: **SW8260B**

Vinyl chloride	901	30	1000	0	90.1	60-125	1020	12.3	30
Xylenes, Total	2872	90	3000	0	95.7	75-125	2980	3.69	30
Surr: 1,2-Dichloroethane-d4	*943*	0	*1000*	0	*94.3*	*70-130*	945	*0.212*	*30*
Surr: 4-Bromofluorobenzene	*926.5*	0	*1000*	0	*92.6*	*70-130*	907.5	*2.07*	*30*
Surr: Dibromofluoromethane	*964.5*	0	*1000*	0	*96.4*	*70-130*	980	*1.59*	*30*
Surr: Toluene-d8	*980.5*	0	*1000*	0	*98*	*70-130*	976.5	*0.409*	*30*

The following samples were analyzed in this batch:

1404759-18A	1404759-19A	1404759-20A
1404759-21A	1404759-22A	1404759-23A
1404759-24A	1404759-51A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-57925-57925** Units: **µg/Kg** Analysis Date: **4/24/2014 12:21 PM**
Client ID: Run ID: **VMS6_140424A** SeqNo: **2729562** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
Isopropylbenzene	U	30								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*992*	0	*1000*	0	*99.2*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1001*	0	*1000*	0	*100*	*70-130*	0
Surr: Dibromofluoromethane	*932*	0	*1000*	0	*93.2*	*70-130*	0
Surr: Toluene-d8	*983.5*	0	*1000*	0	*98.4*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-57925-57925** Units: **µg/Kg** Analysis Date: **4/24/2014 11:04 AM**
Client ID: Run ID: **VMS6_140424A** SeqNo: **2729561** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	925	30	1000	0	92.5	70-135	0			
1,1,2,2-Tetrachloroethane	920	30	1000	0	92	55-130	0			
1,1,2-Trichloroethane	929	30	1000	0	92.9	60-125	0			
1,1-Dichloroethane	902	30	1000	0	90.2	75-125	0			
1,1-Dichloroethene	884	30	1000	0	88.4	65-135	0			
1,2,4-Trichlorobenzene	912.5	30	1000	0	91.2	65-130	0			
1,2-Dibromo-3-chloropropane	740	30	1000	0	74	40-135	0			
1,2-Dibromoethane	953	30	1000	0	95.3	75-125	0			
1,2-Dichlorobenzene	929	30	1000	0	92.9	75-120	0			
1,2-Dichloroethane	923.5	30	1000	0	92.4	70-135	0			
1,2-Dichloropropane	940	30	1000	0	94	70-120	0			
1,3-Dichlorobenzene	967.5	30	1000	0	96.8	70-125	0			
1,4-Dichlorobenzene	957	30	1000	0	95.7	70-125	0			
2-Butanone	930.5	200	1000	0	93	30-160	0			
2-Hexanone	858.5	30	1000	0	85.8	45-145	0			
4-Methyl-2-pentanone	1119	30	1000	0	112	96-168	0			
Acetone	746.5	100	1000	0	74.6	20-160	0			
Benzene	894	30	1000	0	89.4	75-125	0			
Bromodichloromethane	925.5	30	1000	0	92.6	70-130	0			
Bromoform	764	30	1000	0	76.4	55-135	0			
Bromomethane	1128	75	1000	0	113	30-160	0			
Carbon disulfide	942.5	30	1000	0	94.2	45-160	0			
Carbon tetrachloride	915	30	1000	0	91.5	65-135	0			
Chlorobenzene	940	30	1000	0	94	75-125	0			
Chloroethane	775	100	1000	0	77.5	40-155	0			
Chloroform	904.5	30	1000	0	90.4	70-125	0			
Chloromethane	641.5	100	1000	0	64.2	50-130	0			
cis-1,2-Dichloroethene	924	30	1000	0	92.4	65-125	0			
cis-1,3-Dichloropropene	979	30	1000	0	97.9	70-125	0			
Dibromochloromethane	683.5	30	1000	0	68.4	65-135	0			
Dichlorodifluoromethane	456	30	1000	0	45.6	35-135	0			
Ethylbenzene	920.5	30	1000	0	92	75-125	0			
Isopropylbenzene	930.5	30	1000	0	93	75-130	0			
Methyl tert-butyl ether	972	30	1000	0	97.2	75-125	0			
Methylene chloride	948.5	30	1000	0	94.8	55-145	0			
Styrene	948	30	1000	0	94.8	75-125	0			
Tetrachloroethene	903.5	30	1000	0	90.4	64-140	0			
Toluene	893	30	1000	0	89.3	70-125	0			
trans-1,2-Dichloroethene	955	30	1000	0	95.5	65-135	0			
trans-1,3-Dichloropropene	816	30	1000	0	81.6	65-125	0			
Trichloroethene	903	30	1000	0	90.3	75-125	0			
Trichlorofluoromethane	753.5	30	1000	0	75.4	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	654	30	1000	0	65.4	60-125	0
Xylenes, Total	2784	90	3000	0	92.8	75-125	0
Surr: 1,2-Dichloroethane-d4	*980.5*	0	*1000*	0	*98*	*70-130*	0
Surr: 4-Bromofluorobenzene	*990*	0	*1000*	0	*99*	*70-130*	0
Surr: Dibromofluoromethane	*1008*	0	*1000*	0	*101*	*70-130*	0
Surr: Toluene-d8	*989.5*	0	*1000*	0	*99*	*70-130*	0

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **1404759-59A MS** Units: **µg/Kg** Analysis Date: **4/26/2014 01:51 AM**

Client ID: **SO-17360-041414-DR-059** Run ID: **VMS8_140425A** SeqNo: **2732279** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1499	49	1639	0	91.4	70-135	0			
1,1,2,2-Tetrachloroethane	1880	49	1639	0	115	55-130	0			
1,1,2-Trichloroethane	1601	49	1639	0	97.6	60-125	0			
1,1-Dichloroethane	1452	49	1639	0	88.6	75-125	0			
1,1-Dichloroethene	1463	49	1639	0	89.2	65-135	0			
1,2,4-Trichlorobenzene	1563	49	1639	0	95.4	65-130	0			
1,2-Dibromo-3-chloropropane	1580	49	1639	0	96.4	40-135	0			
1,2-Dibromoethane	2342	49	1639	0	143	75-125	0			S
1,2-Dichlorobenzene	1589	49	1639	0	96.9	75-120	0			
1,2-Dichloroethane	1630	49	1639	0	99.4	70-135	0			
1,2-Dichloropropane	1570	49	1639	0	95.8	70-120	0			
1,3-Dichlorobenzene	1576	49	1639	0	96.2	70-125	0			
1,4-Dichlorobenzene	1534	49	1639	0	93.6	70-125	0			
2-Butanone	1477	330	1639	0	90.1	30-160	0			
2-Hexanone	1562	49	1639	0	95.3	45-145	0			
4-Methyl-2-pentanone	2256	49	1639	0	138	89-161	0			
Acetone	1663	160	1639	0	101	20-160	0			
Benzene	1535	49	1639	0	93.6	75-125	0			
Bromodichloromethane	1548	49	1639	0	94.4	70-130	0			
Bromoform	1519	49	1639	0	92.6	55-135	0			
Bromomethane	1802	120	1639	0	110	30-160	0			
Carbon disulfide	1485	49	1639	98.72	84.6	45-160	0			
Carbon tetrachloride	1584	49	1639	0	96.6	65-135	0			
Chlorobenzene	1619	49	1639	0	98.8	75-125	0			
Chloroethane	338.5	160	1639	0	20.6	40-155	0			S
Chloroform	1508	49	1639	0	92	70-125	0			
Chloromethane	967.2	160	1639	0	59	50-130	0			
cis-1,2-Dichloroethene	1465	49	1639	0	89.4	65-125	0			
cis-1,3-Dichloropropene	1483	49	1639	0	90.4	70-125	0			
Dibromochloromethane	1445	49	1639	0	88.2	65-135	0			
Dichlorodifluoromethane	791.8	49	1639	0	48.3	35-135	0			
Ethylbenzene	1596	49	1639	0	97.4	75-125	0			
Isopropylbenzene	1613	49	1639	0	98.4	75-130	0			
Methyl tert-butyl ether	1652	49	1639	0	101	75-125	0			
Methylene chloride	1579	49	1639	0	96.3	55-145	0			
Styrene	1599	49	1639	0	97.6	75-125	0			
Tetrachloroethene	1790	49	1639	0	109	64-140	0			
Toluene	1590	49	1639	65.81	93	70-125	0			
trans-1,2-Dichloroethene	1574	49	1639	0	96	65-135	0			
trans-1,3-Dichloropropene	1528	49	1639	0	93.2	65-125	0			
Trichloroethene	1608	49	1639	0	98.1	75-125	0			
Trichlorofluoromethane	1477	49	1639	0	90.1	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	1045	49	1639	0	63.8	60-125	0
Xylenes, Total	4876	150	4918	196	95.2	75-125	0
Surr: 1,2-Dichloroethane-d4	*1621*	0	*1639*	0	*98.9*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1634*	0	*1639*	0	*99.6*	*70-130*	0
Surr: Dibromofluoromethane	*1626*	0	*1639*	0	*99.2*	*70-130*	0
Surr: Toluene-d8	*1656*	0	*1639*	0	*101*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **1404759-59A MSD** Units: **µg/Kg** Analysis Date: **4/26/2014 02:15 AM**

Client ID: **SO-17360-041414-DR-059** Run ID: **VMS8_140425A** SeqNo: **2732280** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1483	49	1639	0	90.4	70-135	1499	1.1	30	
1,1,2,2-Tetrachloroethane	1917	49	1639	0	117	55-130	1880	1.99	30	
1,1,2-Trichloroethane	1598	49	1639	0	97.4	60-125	1601	0.205	30	
1,1-Dichloroethane	1435	49	1639	0	87.6	75-125	1452	1.14	30	
1,1-Dichloroethene	1422	49	1639	0	86.8	65-135	1463	2.84	30	
1,2,4-Trichlorobenzene	1720	49	1639	0	105	65-130	1563	9.59	30	
1,2-Dibromo-3-chloropropane	1630	49	1639	0	99.4	40-135	1580	3.12	30	
1,2-Dibromoethane	2308	49	1639	0	141	75-125	2342	1.45	30	S
1,2-Dichlorobenzene	1602	49	1639	0	97.7	75-120	1589	0.822	30	
1,2-Dichloroethane	1602	49	1639	0	97.7	70-135	1630	1.78	30	
1,2-Dichloropropane	1554	49	1639	0	94.8	70-120	1570	0.997	30	
1,3-Dichlorobenzene	1570	49	1639	0	95.8	70-125	1576	0.365	30	
1,4-Dichlorobenzene	1548	49	1639	0	94.4	70-125	1534	0.957	30	
2-Butanone	1489	330	1639	0	90.8	30-160	1477	0.774	30	
2-Hexanone	1570	49	1639	0	95.8	45-145	1562	0.523	30	
4-Methyl-2-pentanone	2260	49	1639	0	138	89-161	2256	0.182	30	
Acetone	1513	160	1639	0	92.3	20-160	1663	9.45	30	
Benzene	1507	49	1639	0	91.9	75-125	1535	1.89	30	
Bromodichloromethane	1506	49	1639	0	91.8	70-130	1548	2.79	30	
Bromoform	1482	49	1639	0	90.4	55-135	1519	2.46	30	
Bromomethane	1852	120	1639	0	113	30-160	1802	2.74	30	
Carbon disulfide	1460	49	1639	98.72	83	45-160	1485	1.73	30	
Carbon tetrachloride	1515	49	1639	0	92.4	65-135	1584	4.5	30	
Chlorobenzene	1589	49	1639	0	96.9	75-125	1619	1.89	30	
Chloroethane	384.4	160	1639	0	23.4	40-155	338.5	12.7	30	S
Chloroform	1494	49	1639	0	91.2	70-125	1508	0.928	30	
Chloromethane	968	160	1639	0	59	50-130	967.2	0.0847	30	
cis-1,2-Dichloroethene	1414	49	1639	0	86.2	65-125	1465	3.53	30	
cis-1,3-Dichloropropene	1507	49	1639	0	91.9	70-125	1483	1.59	30	
Dibromochloromethane	1441	49	1639	0	87.9	65-135	1445	0.284	30	
Dichlorodifluoromethane	753.3	49	1639	0	46	35-135	791.8	4.99	30	
Ethylbenzene	1567	49	1639	0	95.6	75-125	1596	1.81	30	
Isopropylbenzene	1539	49	1639	0	93.8	75-130	1613	4.73	30	
Methyl tert-butyl ether	1624	49	1639	0	99	75-125	1652	1.7	30	
Methylene chloride	1564	49	1639	0	95.4	55-145	1579	0.939	30	
Styrene	1609	49	1639	0	98.2	75-125	1599	0.613	30	
Tetrachloroethene	1717	49	1639	0	105	64-140	1790	4.16	30	
Toluene	1589	49	1639	65.81	92.9	70-125	1590	0.103	30	
trans-1,2-Dichloroethene	1516	49	1639	0	92.4	65-135	1574	3.77	30	
trans-1,3-Dichloropropene	1469	49	1639	0	89.6	65-125	1528	3.94	30	
Trichloroethene	1574	49	1639	0	96	75-125	1608	2.16	30	
Trichlorofluoromethane	1442	49	1639	0	88	25-185	1477	2.42	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57925** Instrument ID **VMS6** Method: **SW8260B**

Vinyl chloride	1004	49	1639	0	61.2	60-125	1045	4	30
Xylenes, Total	4736	150	4918	196	92.3	75-125	4876	2.92	30
Surr: 1,2-Dichloroethane-d4	*1583*	0	*1639*	0	*96.6*	*70-130*	1621	*2.4*	*30*
Surr: 4-Bromofluorobenzene	*1532*	0	*1639*	0	*93.4*	*70-130*	1634	*6.42*	*30*
Surr: Dibromofluoromethane	*1625*	0	*1639*	0	*99.2*	*70-130*	1626	*0.0504*	*30*
Surr: Toluene-d8	*1630*	0	*1639*	0	*99.4*	*70-130*	1656	*1.6*	*30*

The following samples were analyzed in this batch:

1404759-25A	1404759-26A	1404759-27A
1404759-28A	1404759-29A	1404759-30A
1404759-31A	1404759-32A	1404759-33A
1404759-34A	1404759-35A	1404759-36A
1404759-37A	1404759-39A	1404759-40A
1404759-41A	1404759-42A	1404759-43A
1404759-44A	1404759-59A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

MBLK Sample ID: **MBLK-57926-57926** Units: **µg/Kg** Analysis Date: **4/28/2014 02:15 PM**
Client ID: Run ID: **VMS8_140428A** SeqNo: **2734270** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
Isopropylbenzene	U	30								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*1010*	0	*1000*	0	*101*	*70-130*	0
Surr: 4-Bromofluorobenzene	*952*	0	*1000*	0	*95.2*	*70-130*	0
Surr: Dibromofluoromethane	*974.5*	0	*1000*	0	*97.4*	*70-130*	0
Surr: Toluene-d8	*969.5*	0	*1000*	0	*97*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

LCS	Sample ID: **LCS-57926-57926**				Units: **µg/Kg**			Analysis Date: **4/24/2014 11:39 AM**			
Client ID:		Run ID: **VMS8_140424A**			SeqNo: **2730161**		Prep Date: **4/24/2014**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	926	30	1000	0	92.6	70-135	0			
1,1,2,2-Tetrachloroethane	983	30	1000	0	98.3	55-130	0			
1,1,2-Trichloroethane	953	30	1000	0	95.3	60-125	0			
1,1-Dichloroethane	907	30	1000	0	90.7	75-125	0			
1,1-Dichloroethene	907	30	1000	0	90.7	65-135	0			
1,2,4-Trichlorobenzene	1150	30	1000	0	115	65-130	0			
1,2-Dibromo-3-chloropropane	953.5	30	1000	0	95.4	40-135	0			
1,2-Dibromoethane	1388	30	1000	0	139	75-125	0			S
1,2-Dichlorobenzene	1038	30	1000	0	104	75-120	0			
1,2-Dichloroethane	970.5	30	1000	0	97	70-135	0			
1,2-Dichloropropane	959	30	1000	0	95.9	70-120	0			
1,3-Dichlorobenzene	1027	30	1000	0	103	70-125	0			
1,4-Dichlorobenzene	988.5	30	1000	0	98.8	70-125	0			
2-Butanone	942.5	200	1000	0	94.2	30-160	0			
2-Hexanone	939	30	1000	0	93.9	45-145	0			
4-Methyl-2-pentanone	1215	30	1000	0	122	96-168	0			
Acetone	837	100	1000	0	83.7	20-160	0			
Benzene	939.5	30	1000	0	94	75-125	0			
Bromodichloromethane	955.5	30	1000	0	95.6	70-130	0			
Bromoform	921.5	30	1000	0	92.2	55-135	0			
Bromomethane	1552	75	1000	0	155	30-160	0			
Carbon disulfide	934	30	1000	0	93.4	45-160	0			
Carbon tetrachloride	973.5	30	1000	0	97.4	65-135	0			
Chlorobenzene	1016	30	1000	0	102	75-125	0			
Chloroethane	799.5	100	1000	0	80	40-155	0			
Chloroform	951	30	1000	0	95.1	70-125	0			
Chloromethane	621.5	100	1000	0	62.2	50-130	0			
cis-1,2-Dichloroethene	920	30	1000	0	92	65-125	0			
cis-1,3-Dichloropropene	955	30	1000	0	95.5	70-125	0			
Dibromochloromethane	902	30	1000	0	90.2	65-135	0			
Dichlorodifluoromethane	505.5	30	1000	0	50.6	35-135	0			
Ethylbenzene	981	30	1000	0	98.1	75-125	0			
Isopropylbenzene	972.5	30	1000	0	97.2	75-130	0			
Methyl tert-butyl ether	972.5	30	1000	0	97.2	75-125	0			
Methylene chloride	992.5	30	1000	0	99.2	55-145	0			
Styrene	1025	30	1000	0	102	75-125	0			
Tetrachloroethene	1180	30	1000	0	118	64-140	0			
Toluene	984	30	1000	0	98.4	70-125	0			
trans-1,2-Dichloroethene	991	30	1000	0	99.1	65-135	0			
trans-1,3-Dichloropropene	941.5	30	1000	0	94.2	65-125	0			
Trichloroethene	983.5	30	1000	0	98.4	75-125	0			
Trichlorofluoromethane	803	30	1000	0	80.3	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

Vinyl chloride	693.5	30	1000	0	69.4	60-125	0
Xylenes, Total	2940	90	3000	0	98	75-125	0
Surr: 1,2-Dichloroethane-d4	*949.5*	0	*1000*	0	*95*	*70-130*	0
Surr: 4-Bromofluorobenzene	*977*	0	*1000*	0	*97.7*	*70-130*	0
Surr: Dibromofluoromethane	*977.5*	0	*1000*	0	*97.8*	*70-130*	0
Surr: Toluene-d8	*1004*	0	*1000*	0	*100*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

MS Sample ID: **1404759-71A MS** Units: **µg/Kg** Analysis Date: **4/27/2014 06:42 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **VMS5_140427A** SeqNo: **2733605** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2091	65	2165	0	96.6	70-135	0			
1,1,2,2-Tetrachloroethane	2162	65	2165	0	99.9	55-130	0			
1,1,2-Trichloroethane	2140	65	2165	0	98.8	60-125	0			
1,1-Dichloroethane	2142	65	2165	0	99	75-125	0			
1,1-Dichloroethene	2131	65	2165	0	98.4	65-135	0			
1,2,4-Trichlorobenzene	2279	65	2165	0	105	65-130	0			
1,2-Dibromo-3-chloropropane	1764	65	2165	0	81.5	40-135	0			
1,2-Dibromoethane	2356	65	2165	0	109	75-125	0			
1,2-Dichlorobenzene	2130	65	2165	0	98.4	75-120	0			
1,2-Dichloroethane	2055	65	2165	0	95	70-135	0			
1,2-Dichloropropane	2057	65	2165	0	95	70-120	0			
1,3-Dichlorobenzene	2199	65	2165	0	102	70-125	0			
1,4-Dichlorobenzene	2131	65	2165	0	98.4	70-125	0			
2-Butanone	2584	430	2165	192.6	111	30-160	0			
2-Hexanone	2804	65	2165	0	130	45-145	0			
4-Methyl-2-pentanone	2735	65	2165	0	126	89-161	0			
Acetone	3036	220	2165	362.5	124	20-160	0			
Benzene	3614	65	2165	1074	117	75-125	0			
Bromodichloromethane	1999	65	2165	0	92.4	70-130	0			
Bromoform	1640	65	2165	0	75.8	55-135	0			
Bromomethane	559.5	160	2165	0	25.8	30-160	0			S
Carbon disulfide	2130	65	2165	0	98.4	45-160	0			
Carbon tetrachloride	2104	65	2165	0	97.2	65-135	0			
Chlorobenzene	2148	65	2165	0	99.2	75-125	0			
Chloroethane	2432	220	2165	0	112	40-155	0			
Chloroform	2039	65	2165	0	94.2	70-125	0			
Chloromethane	1812	220	2165	0	83.7	50-130	0			
cis-1,2-Dichloroethene	2100	65	2165	0	97	65-125	0			
cis-1,3-Dichloropropene	2031	65	2165	0	93.8	70-125	0			
Dibromochloromethane	1643	65	2165	0	75.9	65-135	0			
Dichlorodifluoromethane	1452	65	2165	0	67.1	35-135	0			
Ethylbenzene	3577	65	2165	975.7	120	75-125	0			
Isopropylbenzene	3301	65	2165	754	118	75-130	0			
Methyl tert-butyl ether	2022	65	2165	0	93.4	75-125	0			
Methylene chloride	2250	65	2165	0	104	55-145	0			
Styrene	2386	65	2165	0	110	75-125	0			
Tetrachloroethene	2188	65	2165	0	101	64-140	0			
Toluene	8435	65	2165	4574	178	70-125	0			S
trans-1,2-Dichloroethene	2227	65	2165	0	103	65-135	0			
trans-1,3-Dichloropropene	1990	65	2165	0	92	65-125	0			
Trichloroethene	2152	65	2165	0	99.4	75-125	0			
Trichlorofluoromethane	2043	65	2165	0	94.4	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

Vinyl chloride	1880	65	2165	0	86.8	60-125	0	
Xylenes, Total	14380	190	6494	5581	136	75-125	0	S
Surr: 1,2-Dichloroethane-d4	*2094*	0	*2165*	0	*96.8*	*70-130*	0	
Surr: 4-Bromofluorobenzene	*2060*	0	*2165*	0	*95.2*	*70-130*	0	
Surr: Dibromofluoromethane	*2181*	0	*2165*	0	*101*	*70-130*	0	
Surr: Toluene-d8	*2180*	0	*2165*	0	*101*	*70-130*	0	

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

MSD Sample ID: **1404759-71A MSD** Units: **µg/Kg** Analysis Date: **4/27/2014 07:08 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **VMS5_140427A** SeqNo: **2733606** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1959	65	2165	0	90.5	70-135	2091	6.52	30	
1,1,2,2-Tetrachloroethane	2092	65	2165	0	96.6	55-130	2162	3.31	30	
1,1,2-Trichloroethane	2106	65	2165	0	97.3	60-125	2140	1.58	30	
1,1-Dichloroethane	2037	65	2165	0	94.1	75-125	2142	5.02	30	
1,1-Dichloroethene	2027	65	2165	0	93.6	65-135	2131	5	30	
1,2,4-Trichlorobenzene	2295	65	2165	0	106	65-130	2279	0.71	30	
1,2-Dibromo-3-chloropropane	1740	65	2165	0	80.4	40-135	1764	1.36	30	
1,2-Dibromoethane	2314	65	2165	0	107	75-125	2356	1.81	30	
1,2-Dichlorobenzene	2165	65	2165	0	100	75-120	2130	1.61	30	
1,2-Dichloroethane	1946	65	2165	0	89.9	70-135	2055	5.46	30	
1,2-Dichloropropane	1971	65	2165	0	91	70-120	2057	4.3	30	
1,3-Dichlorobenzene	2211	65	2165	0	102	70-125	2199	0.54	30	
1,4-Dichlorobenzene	2110	65	2165	0	97.5	70-125	2131	0.97	30	
2-Butanone	2528	430	2165	192.6	108	30-160	2584	2.2	30	
2-Hexanone	2618	65	2165	0	121	45-145	2804	6.87	30	
4-Methyl-2-pentanone	2712	65	2165	0	125	89-161	2735	0.834	30	
Acetone	2933	220	2165	362.5	119	20-160	3036	3.45	30	
Benzene	3400	65	2165	1074	107	75-125	3614	6.08	30	
Bromodichloromethane	1897	65	2165	0	87.6	70-130	1999	5.22	30	
Bromoform	1562	65	2165	0	72.2	55-135	1640	4.87	30	
Bromomethane	680.7	160	2165	0	31.4	30-160	559.5	19.5	30	
Carbon disulfide	1895	65	2165	0	87.6	45-160	2130	11.7	30	
Carbon tetrachloride	1943	65	2165	0	89.8	65-135	2104	7.97	30	
Chlorobenzene	2068	65	2165	0	95.6	75-125	2148	3.8	30	
Chloroethane	2265	220	2165	0	105	40-155	2432	7.1	30	
Chloroform	1966	65	2165	0	90.8	70-125	2039	3.62	30	
Chloromethane	1762	220	2165	0	81.4	50-130	1812	2.79	30	
cis-1,2-Dichloroethene	2000	65	2165	0	92.4	65-125	2100	4.86	30	
cis-1,3-Dichloropropene	1876	65	2165	0	86.6	70-125	2031	7.98	30	
Dibromochloromethane	1557	65	2165	0	72	65-135	1643	5.34	30	
Dichlorodifluoromethane	1372	65	2165	0	63.4	35-135	1452	5.67	30	
Ethylbenzene	3458	65	2165	975.7	115	75-125	3577	3.38	30	
Isopropylbenzene	3328	65	2165	754	119	75-130	3301	0.816	30	
Methyl tert-butyl ether	1959	65	2165	0	90.5	75-125	2022	3.15	30	
Methylene chloride	2180	65	2165	0	101	55-145	2250	3.18	30	
Styrene	2348	65	2165	0	108	75-125	2386	1.6	30	
Tetrachloroethene	2161	65	2165	0	99.8	64-140	2188	1.24	30	
Toluene	8043	65	2165	4574	160	70-125	8435	4.76	30	S
trans-1,2-Dichloroethene	2136	65	2165	0	98.7	65-135	2227	4.17	30	
trans-1,3-Dichloropropene	1908	65	2165	0	88.2	65-125	1990	4.22	30	
Trichloroethene	2006	65	2165	0	92.7	75-125	2152	6.98	30	
Trichlorofluoromethane	1943	65	2165	0	89.8	25-185	2043	5.05	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57926** Instrument ID **VMS8** Method: **SW8260B**

Vinyl chloride	1815	65	2165	0	83.8	60-125	1880	3.51	30	
Xylenes, Total	14050	190	6494	5581	130	75-125	14380	2.35	30	S
Surr: 1,2-Dichloroethane-d4	*2025*	0	*2165*	0	*93.6*	*70-130*	2094	*3.36*	*30*	
Surr: 4-Bromofluorobenzene	*2037*	0	*2165*	0	*94.1*	*70-130*	2060	*1.11*	*30*	
Surr: Dibromofluoromethane	*2140*	0	*2165*	0	*98.8*	*70-130*	2181	*1.9*	*30*	
Surr: Toluene-d8	*2170*	0	*2165*	0	*100*	*70-130*	2180	*0.448*	*30*	

The following samples were analyzed in this batch:

1404759-45A	1404759-46A	1404759-47A
1404759-48A	1404759-49A	1404759-50A
1404759-52A	1404759-53A	1404759-54A
1404759-55A	1404759-56A	1404759-57A
1404759-58A	1404759-60A	1404759-61A
1404759-62A	1404759-63A	1404759-64A
1404759-65A	1404759-71A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLK-57933-57933** Units: **µg/Kg** Analysis Date: **4/24/2014 03:51 PM**
Client ID: Run ID: **VMS5_140424A** SeqNo: **2729942** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
Isopropylbenzene	U	30								
Methyl acetate	130	200								J
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
Styrene	U	30								
Tetrachloroethene	U	30								
Toluene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*921*	0	*1000*	0	*92.1*	*70-130*	0
Surr: 4-Bromofluorobenzene	*884*	0	*1000*	0	*88.4*	*70-130*	0
Surr: Dibromofluoromethane	*976.5*	0	*1000*	0	*97.6*	*70-130*	0
Surr: Toluene-d8	*988*	0	*1000*	0	*98.8*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-57933-57933** Units: **µg/Kg** Analysis Date: **4/24/2014 02:35 PM**
Client ID: Run ID: **VMS5_140424A** SeqNo: **2729941** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	957.5	30	1000	0	95.8	70-135	0			
1,1,2,2-Tetrachloroethane	1017	30	1000	0	102	55-130	0			
1,1,2-Trichloroethane	944.5	30	1000	0	94.4	60-125	0			
1,1-Dichloroethane	945.5	30	1000	0	94.6	75-125	0			
1,1-Dichloroethene	953.5	30	1000	0	95.4	65-135	0			
1,2,4-Trichlorobenzene	936	30	1000	0	93.6	65-130	0			
1,2-Dibromo-3-chloropropane	919.5	30	1000	0	92	40-135	0			
1,2-Dibromoethane	1085	30	1000	0	108	75-125	0			
1,2-Dichlorobenzene	957.5	30	1000	0	95.8	75-120	0			
1,2-Dichloroethane	908	30	1000	0	90.8	70-135	0			
1,2-Dichloropropane	931.5	30	1000	0	93.2	70-120	0			
1,3-Dichlorobenzene	986.5	30	1000	0	98.6	70-125	0			
1,4-Dichlorobenzene	945.5	30	1000	0	94.6	70-125	0			
2-Butanone	1131	200	1000	0	113	30-160	0			
2-Hexanone	1041	30	1000	0	104	45-145	0			
4-Methyl-2-pentanone	1336	30	1000	0	134	96-168	0			
Acetone	1066	100	1000	0	107	20-160	0			
Benzene	976	30	1000	0	97.6	75-125	0			
Bromodichloromethane	980.5	30	1000	0	98	70-130	0			
Bromoform	824.5	30	1000	0	82.4	55-135	0			
Bromomethane	1010	75	1000	0	101	30-160	0			
Carbon disulfide	952	30	1000	0	95.2	45-160	0			
Carbon tetrachloride	1000	30	1000	0	100	65-135	0			
Chlorobenzene	983	30	1000	0	98.3	75-125	0			
Chloroethane	950	100	1000	0	95	40-155	0			
Chloroform	913.5	30	1000	0	91.4	70-125	0			
Chloromethane	711.5	100	1000	0	71.2	50-130	0			
cis-1,2-Dichloroethene	950	30	1000	0	95	65-125	0			
cis-1,3-Dichloropropene	987	30	1000	0	98.7	70-125	0			
Dibromochloromethane	798.5	30	1000	0	79.8	65-135	0			
Dichlorodifluoromethane	624.5	30	1000	0	62.4	35-135	0			
Ethylbenzene	1006	30	1000	0	101	75-125	0			
Isopropylbenzene	1002	30	1000	0	100	75-130	0			
Methyl tert-butyl ether	870	30	1000	0	87	75-125	0			
Methylene chloride	985.5	30	1000	0	98.6	55-145	0			
Styrene	1026	30	1000	0	103	75-125	0			
Tetrachloroethene	987	30	1000	0	98.7	64-140	0			
Toluene	989.5	30	1000	0	99	70-125	0			
trans-1,2-Dichloroethene	985.5	30	1000	0	98.6	65-135	0			
trans-1,3-Dichloropropene	973	30	1000	0	97.3	65-125	0			
Trichloroethene	998	30	1000	0	99.8	75-125	0			
Trichlorofluoromethane	897.5	30	1000	0	89.8	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

Vinyl chloride	815	30	1000	0	81.5	60-125	0
Xylenes, Total	3004	90	3000	0	100	75-125	0
Surr: 1,2-Dichloroethane-d4	*952.5*	0	*1000*	0	*95.2*	*70-130*	0
Surr: 4-Bromofluorobenzene	*903.5*	0	*1000*	0	*90.4*	*70-130*	0
Surr: Dibromofluoromethane	*993.5*	0	*1000*	0	*99.4*	*70-130*	0
Surr: Toluene-d8	*975*	0	*1000*	0	*97.5*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **1404759-66A MS** Units: **µg/Kg** Analysis Date: **4/26/2014 01:58 PM**
Client ID: **SO-17360-041414-DR-066** Run ID: **VMS8_140425B** SeqNo: **2732305** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1531	52	1724	0	88.8	70-135	0			
1,1,2,2-Tetrachloroethane	1623	52	1724	0	94.2	55-130	0			
1,1,2-Trichloroethane	1563	52	1724	0	90.6	60-125	0			
1,1-Dichloroethane	1476	52	1724	0	85.6	75-125	0			
1,1-Dichloroethene	1426	52	1724	0	82.7	65-135	0			
1,2,4-Trichlorobenzene	1385	52	1724	0	80.4	65-130	0			
1,2-Dibromo-3-chloropropane	1448	52	1724	0	84	40-135	0			
1,2-Dibromoethane	2289	52	1724	0	133	75-125	0			S
1,2-Dichlorobenzene	1591	52	1724	0	92.3	75-120	0			
1,2-Dichloroethane	1633	52	1724	0	94.7	70-135	0			
1,2-Dichloropropane	1591	52	1724	0	92.2	70-120	0			
1,3-Dichlorobenzene	1559	52	1724	0	90.4	70-125	0			
1,4-Dichlorobenzene	1541	52	1724	0	89.4	70-125	0			
2-Butanone	1514	340	1724	0	87.8	30-160	0			
2-Hexanone	1457	52	1724	0	84.5	45-145	0			
4-Methyl-2-pentanone	2115	52	1724	0	123	89-161	0			
Acetone	1780	170	1724	0	103	20-160	0			
Benzene	1718	52	1724	191.4	88.6	75-125	0			
Bromodichloromethane	1561	52	1724	0	90.6	70-130	0			
Bromoform	1464	52	1724	0	84.9	55-135	0			
Bromomethane	1441	130	1724	0	83.6	30-160	0			
Carbon disulfide	1483	52	1724	0	86	45-160	0			
Carbon tetrachloride	1574	52	1724	0	91.3	65-135	0			
Chlorobenzene	1608	52	1724	0	93.2	75-125	0			
Chloroethane	306	170	1724	0	17.8	40-155	0			S
Chloroform	1515	52	1724	0	87.8	70-125	0			
Chloromethane	988.8	170	1724	0	57.4	50-130	0			
cis-1,2-Dichloroethene	1410	52	1724	0	81.8	65-125	0			
cis-1,3-Dichloropropene	1416	52	1724	0	82.2	70-125	0			
Dibromochloromethane	1444	52	1724	0	83.8	65-135	0			
Dichlorodifluoromethane	794	52	1724	0	46	35-135	0			
Ethylbenzene	1730	52	1724	172.4	90.4	75-125	0			
Isopropylbenzene	1673	52	1724	140.5	88.9	75-130	0			
Methyl tert-butyl ether	1618	52	1724	0	93.8	75-125	0			
Methylene chloride	1603	52	1724	0	93	55-145	0			
Styrene	1594	52	1724	0	92.4	75-125	0			
Tetrachloroethene	1893	52	1724	0	110	64-140	0			
Toluene	2302	52	1724	776.7	88.4	70-125	0			
trans-1,2-Dichloroethene	1570	52	1724	0	91	65-135	0			
trans-1,3-Dichloropropene	1396	52	1724	0	81	65-125	0			
Trichloroethene	1623	52	1724	0	94.2	75-125	0			
Trichlorofluoromethane	1363	52	1724	0	79	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

Vinyl chloride	1072	52	1724	0	62.2	60-125	0
Xylenes, Total	5697	160	5172	1020	90.4	75-125	0
Surr: 1,2-Dichloroethane-d4	*1698*	0	*1724*	0	*98.5*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1691*	0	*1724*	0	*98.1*	*70-130*	0
Surr: Dibromofluoromethane	*1700*	0	*1724*	0	*98.6*	*70-130*	0
Surr: Toluene-d8	*1715*	0	*1724*	0	*99.4*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **1404759-66A MSD** Units: **µg/Kg** Analysis Date: **4/26/2014 02:22 PM**
Client ID: **SO-17360-041414-DR-066** Run ID: **VMS8_140425B** SeqNo: **2732306** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1497	52	1724	0	86.8	70-135	1531	2.28	30	
1,1,2,2-Tetrachloroethane	1655	52	1724	0	96	55-130	1623	1.95	30	
1,1,2-Trichloroethane	1570	52	1724	0	91	60-125	1563	0.44	30	
1,1-Dichloroethane	1464	52	1724	0	84.9	75-125	1476	0.821	30	
1,1-Dichloroethene	1435	52	1724	0	83.2	65-135	1426	0.663	30	
1,2,4-Trichlorobenzene	1641	52	1724	0	95.2	65-130	1385	16.9	30	
1,2-Dibromo-3-chloropropane	1550	52	1724	0	89.9	40-135	1448	6.79	30	
1,2-Dibromoethane	2292	52	1724	0	133	75-125	2289	0.151	30	S
1,2-Dichlorobenzene	1694	52	1724	0	98.2	75-120	1591	6.25	30	
1,2-Dichloroethane	1621	52	1724	0	94	70-135	1633	0.742	30	
1,2-Dichloropropane	1555	52	1724	0	90.2	70-120	1591	2.25	30	
1,3-Dichlorobenzene	1647	52	1724	0	95.5	70-125	1559	5.43	30	
1,4-Dichlorobenzene	1630	52	1724	0	94.6	70-125	1541	5.66	30	
2-Butanone	1760	340	1724	0	102	30-160	1514	15.1	30	
2-Hexanone	1496	52	1724	0	86.8	45-145	1457	2.63	30	
4-Methyl-2-pentanone	2131	52	1724	0	124	89-161	2115	0.772	30	
Acetone	1858	170	1724	0	108	20-160	1780	4.27	30	
Benzene	1704	52	1724	191.4	87.8	75-125	1718	0.806	30	
Bromodichloromethane	1528	52	1724	0	88.6	70-130	1561	2.18	30	
Bromoform	1513	52	1724	0	87.8	55-135	1464	3.3	30	
Bromomethane	1322	130	1724	0	76.6	30-160	1441	8.61	30	
Carbon disulfide	1490	52	1724	0	86.4	45-160	1483	0.464	30	
Carbon tetrachloride	1576	52	1724	0	91.4	65-135	1574	0.109	30	
Chlorobenzene	1606	52	1724	0	93.2	75-125	1608	0.107	30	
Chloroethane	307.8	170	1724	0	17.8	40-155	306	0.562	30	S
Chloroform	1505	52	1724	0	87.3	70-125	1515	0.628	30	
Chloromethane	1008	170	1724	0	58.4	50-130	988.8	1.9	30	
cis-1,2-Dichloroethene	1409	52	1724	0	81.8	65-125	1410	0.0611	30	
cis-1,3-Dichloropropene	1422	52	1724	0	82.5	70-125	1416	0.425	30	
Dibromochloromethane	1447	52	1724	0	84	65-135	1444	0.239	30	
Dichlorodifluoromethane	776.7	52	1724	0	45	35-135	794	2.2	30	
Ethylbenzene	1732	52	1724	172.4	90.4	75-125	1730	0.0996	30	
Isopropylbenzene	1692	52	1724	140.5	90	75-130	1673	1.13	30	
Methyl tert-butyl ether	1634	52	1724	0	94.8	75-125	1618	0.954	30	
Methylene chloride	1585	52	1724	0	92	55-145	1603	1.08	30	
Styrene	1651	52	1724	0	95.8	75-125	1594	3.51	30	
Tetrachloroethene	1878	52	1724	0	109	64-140	1893	0.777	30	
Toluene	2293	52	1724	776.7	88	70-125	2302	0.375	30	
trans-1,2-Dichloroethene	1566	52	1724	0	90.8	65-135	1570	0.22	30	
trans-1,3-Dichloropropene	1434	52	1724	0	83.2	65-125	1396	2.74	30	
Trichloroethene	1607	52	1724	0	93.2	75-125	1623	1.01	30	
Trichlorofluoromethane	1348	52	1724	0	78.2	25-185	1363	1.08	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57933** Instrument ID **VMS5** Method: **SW8260B**

Vinyl chloride	1047	52	1724	0	60.7	60-125	1072	2.36	30
Xylenes, Total	5663	160	5172	1020	89.8	75-125	5697	0.592	30
Surr: 1,2-Dichloroethane-d4	*1675*	0	*1724*	0	*97.2*	*70-130*	1698	*1.38*	*30*
Surr: 4-Bromofluorobenzene	*1705*	0	*1724*	0	*98.9*	*70-130*	1691	*0.812*	*30*
Surr: Dibromofluoromethane	*1706*	0	*1724*	0	*99*	*70-130*	1700	*0.354*	*30*
Surr: Toluene-d8	*1718*	0	*1724*	0	*99.6*	*70-130*	1715	*0.201*	*30*

The following samples were analyzed in this batch:

1404759-66A	1404759-67A	1404759-68A
1404759-69A	1404759-70A	1404759-72A
1404759-73A	1404759-74A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139101** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139101** Units: **% of sample** Analysis Date: **4/16/2014 05:21 PM**
Client ID: Run ID: **MOIST_140416C** SeqNo: **2717927** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	0.05	0.050								J

LCS Sample ID: **LCS-R139101** Units: **% of sample** Analysis Date: **4/16/2014 05:21 PM**
Client ID: Run ID: **MOIST_140416C** SeqNo: **2717926** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404844-01A DUP** Units: **% of sample** Analysis Date: **4/16/2014 05:21 PM**
Client ID: Run ID: **MOIST_140416C** SeqNo: **2717909** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.95	0.050	0	0	0	0-0	12.93	7.59	20	

DUP Sample ID: **1404846-05A DUP** Units: **% of sample** Analysis Date: **4/16/2014 05:21 PM**
Client ID: Run ID: **MOIST_140416C** SeqNo: **2717920** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	7.2	0.050	0	0	0	0-0	8.13	12.1	20	

The following samples were analyzed in this batch:

1404759-01B	1404759-02B	1404759-03B
1404759-04B	1404759-05B	1404759-06B
1404759-07B	1404759-08B	1404759-09B
1404759-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139104** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139104** Units: **% of sample** Analysis Date: **4/16/2014 06:08 PM**
Client ID: Run ID: **MOIST_140416D** SeqNo: **2717963** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R139104** Units: **% of sample** Analysis Date: **4/16/2014 06:08 PM**
Client ID: Run ID: **MOIST_140416D** SeqNo: **2717962** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404759-11B DUP** Units: **% of sample** Analysis Date: **4/16/2014 06:08 PM**
Client ID: **SO-17360-041414-DR-011** Run ID: **MOIST_140416D** SeqNo: **2717941** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.48	0.050	0	0	0	0-0	19.44	5.06	20	

DUP Sample ID: **1404759-21B DUP** Units: **% of sample** Analysis Date: **4/16/2014 06:08 PM**
Client ID: **SO-17360-041414-DR-021** Run ID: **MOIST_140416D** SeqNo: **2717952** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	11.46	0.050	0	0	0	0-0	11.14	2.83	20	

The following samples were analyzed in this batch:

1404759-11B	1404759-12B	1404759-13B
1404759-14B	1404759-15B	1404759-16B
1404759-17B	1404759-18B	1404759-19B
1404759-20B	1404759-21B	1404759-22B
1404759-23B	1404759-24B	1404759-25B
1404759-26B	1404759-27B	1404759-28B
1404759-29B	1404759-30B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139109** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139109** Units: **% of sample** Analysis Date: **4/16/2014 06:35 PM**
Client ID: Run ID: **MOIST_140416E** SeqNo: **2718059** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R139109** Units: **% of sample** Analysis Date: **4/16/2014 06:35 PM**
Client ID: Run ID: **MOIST_140416E** SeqNo: **2718057** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404759-38B DUP** Units: **% of sample** Analysis Date: **4/16/2014 06:35 PM**
Client ID: **SO-17360-041414-DR-038** Run ID: **MOIST_140416E** SeqNo: **2718031** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	8.99	0.050	0	0	0	0-0	8.92	0.782	20	

DUP Sample ID: **1404759-51B DUP** Units: **% of sample** Analysis Date: **4/16/2014 06:35 PM**
Client ID: **SO-17360-041414-DR-051** Run ID: **MOIST_140416E** SeqNo: **2718055** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	6.24	0.050	0	0	0	0-0	6.46	3.46	20	

The following samples were analyzed in this batch:

1404759-31B	1404759-32B	1404759-33B
1404759-34B	1404759-35B	1404759-36B
1404759-37B	1404759-38B	1404759-39B
1404759-40B	1404759-41B	1404759-42B
1404759-43B	1404759-44B	1404759-45B
1404759-46B	1404759-47B	1404759-48B
1404759-49B	1404759-51B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139110** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139110** Units: **% of sample** Analysis Date: **4/16/2014 07:02 PM**
Client ID: Run ID: **MOIST_140416F** SeqNo: **2718118** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R139110** Units: **% of sample** Analysis Date: **4/16/2014 07:02 PM**
Client ID: Run ID: **MOIST_140416F** SeqNo: **2718117** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404759-50B DUP** Units: **% of sample** Analysis Date: **4/16/2014 07:02 PM**
Client ID: **SO-17360-041414-DR-050** Run ID: **MOIST_140416F** SeqNo: **2718094** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	43.65	0.050	0	0	0	0-0	43.57	0.183	20	

DUP Sample ID: **1404759-61B DUP** Units: **% of sample** Analysis Date: **4/16/2014 07:02 PM**
Client ID: **SO-17360-041414-DR-061** Run ID: **MOIST_140416F** SeqNo: **2718107** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.81	0.050	0	0	0	0-0	14.07	5.12	20	

The following samples were analyzed in this batch:

1404759-50B	1404759-52B	1404759-53B
1404759-54B	1404759-55B	1404759-56B
1404759-57B	1404759-58B	1404759-59B
1404759-60B	1404759-61B	1404759-62B
1404759-63B	1404759-64B	1404759-65B
1404759-66B	1404759-67B	1404759-68B
1404759-69B	1404759-70B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1404759
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139111** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139111** Units: **% of sample** Analysis Date: **4/16/2014 07:14 PM**
Client ID: Run ID: **MOIST_140416G** SeqNo: **2718085** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R139111** Units: **% of sample** Analysis Date: **4/16/2014 07:14 PM**
Client ID: Run ID: **MOIST_140416G** SeqNo: **2718084** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1404759-71B DUP** Units: **% of sample** Analysis Date: **4/16/2014 07:14 PM**
Client ID: **SO-17360-041414-DR-071** Run ID: **MOIST_140416G** SeqNo: **2718080** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.98	0.050	0	0	0	0-0	14.14	8.55	20	

The following samples were analyzed in this batch:

1404759-71B 1404759-72B 1404759-73B
1404759-74B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

CHAIN OF CUSTODY RECORD

1404758 COC NO.: PL- 13883

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CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No./ Phase/Task Code: 017360-T029Y14-01Y14	Laboratory Name: A-LS	Lab Location: Holland, MI	SSOW ID: 017360-T02Y14
Project Name: Fmr Grand Rapids Metal Plant	Lab Contact: T. Beamish	Lab Quote No:	Cooler No: 4 coolers
Project Location: Grand Rapids, MI			Carrier: Drop off
Chemistry Contact: R. Fleisher			Airbill No:
Sampler(s): D. Rivers			Date Shipped: 4/15/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide ($NaOH$)	Methanol/Water (Soil VOC)	EnCores 3x5-g (1x25-g)	Other:	Total Containers/Sample	Analysis Requested: TCL VOCs	PAHs	PCBs	Site Spec. TAL Metals					MS/MSD Request	Comments/ Special Instructions:
1	SO-17360-01414-DR-001	4/14/14	955	SO	G	1					2			3	X	X	X	X						
2	-002		957			1					2			3										
3	-003		1000			1					2			3										
4	-004		1015			1					2			3										
5	-005		1020			1					2			3										
6	-006		1025			1					2			3										
7	-007		1027			1					2			3										
8	-008		1035			1					2			3										
9	-009		1040			1					2			3										
10	-010		1045			1					2			3										
11	-011		1655			1					2			3										
12	-012		1050			1					2			3										
13	-013		1605			1					2			3										
14	-014		1607			1					2			3										
15	-015		1110			1					2			3										

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

Total Number of Containers: 45

All Samples In Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. D. Rivers	CRA	4/15/14	1345	1.	ALS	4/15/14	1350
2.			1350	2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CHAIN OF CUSTODY RECORD 1404759

COC NO.: PL-13884

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CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02Y14-01Y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T02Y14
Project Name: Fmr GRMP	Lab Contact: T. Beamish	Lab Quote No:	Cooler No: 4 Coolers
Project Location: Grand Rapids, MI			Carrier: Dropoff
Chemistry Contact: R. Fleisher			Airbill No:
Sampler(s): D. Rivers			Date Shipped: 4/15/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (EnCore VOC)	EnCores 3x5-g/1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCL VOCs	PAHs	PCBs	Site specific TAL metals					MS/MSD Request	Comments/ Special Instructions:
1	SO-17360-041414-DR-016	4/14/14	1115	SO	G	1					2			3	X	X	X	X						
2	-017		1117			1					2			3										
3	-018		1120			1					2			3										
4	-019		1122			1					2			3										
5	-020		1125			1					2			3										
6	-021		1145			1					2			3										
7	-022		1147			1					2			3										
8	-023		1150			1					2			3										
9	-024		1152			1					2			3										
10	-025		1155			1					2			3										
11	-026		1240			1					2			3										
12	-027		1212			1					2			3										
13	-028		1215			1					2			3										
14	-029		1217			1					2			3										
15	-030		1220			1					2			3										

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

Total Number of Containers: 45

Notes/ Special Requirements:
All Samples in Cooler must be on COC

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. D. Rivers	CRA	4/15/14	1350	1.	ALS	4/15/14	1350
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (2011/0804)

CHAIN OF CUSTODY RECORD

1404759 COC NO.: PL-13885

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CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02Y14-01Y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T02Y14
Project Name: Fmr GR MP	Lab Contact: T. Beamish	Lab Quote No:	Cooler No: 4 coolers
Project Location: Grand Rapids, MI			Carrier: DHL & FX
Chemistry Contact: R. Fleisher			Airbill No:
Sampler(s): D. Rivers			Date Shipped: 4/15/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCL VOCs	PAHs	PCBs	Silica gel cleanup	TAL Metals					MS/MSD Request	Comments/ Special Instructions:
1	SO-17360-091414-DR-031	4/14/14	1315	SO	G	1					2			3	X	X	X	X							
2	-032		1319			1					2			3											
3	-033		1326			1					2			3											
4	-034		1322			1					2			3											
5	-035		1325			1					2			3											
6	-036		1345			1					2			3											
7	-037		1347			1					2			3											
8	-038		1350			2					4			6										X	
9	-039		1352			1					2			3											
10	-040		1355			1					2			3											
11	-041		1357			1					2			3											
12	-042		1405			1					2			1											
13	-043		1407			1					2			3											
14	-044		1412			1					2			3											
15	-045		1415			1					2			3											

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☑ 1 Week ☒ 2 Week ☐ Other: 1 WT

Total Number of Containers: 45

Notes/ Special Requirements:

All Samples in Cooler must be on COC

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. D. Rivers	CRA	4/15/14	1350	1.	ALS	4/15/14	1350
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD 1404759

COC NO.: PL- 13886

PAGE 1 OF 5

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02Y14-01Y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T02Y14
Project Name: Fmr GRMP	Lab Contact: T. Beamish	Lab Quote No:	Cooler No: 4 Coolers
Project Location: Grand Rapids, MI			Carrier: Drop off
Chemistry Contact: R. Fleisher			Airbill No:
Sampler(s): D. Rivers			Date Shipped: 4/15/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCL VOCs	PAHs	PCBs	Site specific TAL metals						MS/MSD Request	Comments/ Special Instructions:
1	SO-17360-04/14-DR2-046	4/14/14	1417	SO	G	1					2			3	X	X	X	X						X	
2	-047		1420			1					2			3											
3	-048		1435			1					2			3											
4	-049		1437			1					2			3											
5	-050		1440			1					2			3											
6	-051		1442			2					4			6										X	
7	-052		1445			1					2			3											
8	-053		1500			1					2			3											
9	-054		1502			1					2			3											
10	-055		1505			1					2			3											
11	-056		1507			1					2			3											
12	-057		1512			1					2			3											
13	-058		1515			1					2			3											
14	-059		1535			2					4			6										X	
15	-060		1532			1					2			3											

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

Total Number of Containers: 51

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. D. Rivers	CRA	4/15/14	1350	1.	ALS	4/15/14	1350
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT—ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE—Fully Executed Copy (CRA) YELLOW—Receiving Laboratory Copy PINK—Shipper GOLDENROD—Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD

1404759 COC NO.: PL-13887

PAGE 5 OF 5

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02Y14-01Y19	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T02Y14
Project Name: Fmr GRMP	Lab Contact: T. Beamish	Lab Quote No:	Cooler No: 4 coolers
Project Location: Grand Rapids, MI			Carrier: Drop off
Chemistry Contact: R. Fleisher			Airbill No:
Sampler(s): D. Rivers			Date Shipped: 4/15/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCL VOCs	PAHs	PCBs	Suite Spec TAL Metals					MS/MSD Request	Comments/ Special Instructions:
1	SO-17360-041414-DR-061	4/14/14	1535	SO	G	1					2			3	X	X	X	X						
2	-062		1537			1					2			3										
3	-063		1546			1					2			3										
4	-064		1550			1					2			3										
5	-065		1552			1					2			3										
6	-066		1555			1					2			3										
7	-067		1557			1					2			3										
8	-068		1600			1					2			3										
9	-069		1605			1					2			3										
10	-070		1620			1					2			3										
11	-071		1622			2					4			6									X	
12	-072		1625			1					2			3										
13	-073		1627			1					2			3										
14	-074		1630			1					2			3										
15	TB-17360-041414		—	SOQ	—						1			1	X									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week (X) 2 Week ☐ Other

Total Number of Containers: 46

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. D. Rivers	CRA	4/15/14	1350	1.	ALS	4/15/14	1350
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (2010804)

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **CRA - PLYMOUTH** Date/Time Received: **15-Apr-14 13:50**

Work Order: **1404759** Received by: **KRW**

Checklist completed by Tom Bramish (eSignature) 19-Apr-14 (Date) Reviewed by: Tom Bramish (eSignature) 19-Apr-14 (Date)

Matrices: soil
Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.4 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/15		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

29-Apr-2014

Rawa Fleisher
Conestoga-Rovers & Associates
14496 Sheldon Road
Suite 200
Plymouth, MI 48170

Re: **Former GRMP (017360-T02Y14-01Y14)** Work Order: **14041038**

Dear Rawa,

ALS Environmental received 44 samples on 18-Apr-2014 04:10 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 152.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Bill Carey

Tom Beamish
Senior Project Manager

Certificate No: MN 532786

ALS Group USA, Corp

Date: 29-Apr-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Work Order: **14041038**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14041038-01	SW-017360-041414-MR-001	Water		4/14/2014 10:20	4/18/2014 16:10	☐
14041038-02	SW-017360-041414-MR-002	Water		4/14/2014 10:45	4/18/2014 16:10	☐
14041038-03	SW-017360-041414-MR-003	Water		4/14/2014 11:00	4/18/2014 16:10	☐
14041038-04	WG-017360-041414-MR-004	Water		4/14/2014 12:47	4/18/2014 16:10	☐
14041038-05	WG-017360-041414-MR-005	Water		4/14/2014 13:25	4/18/2014 16:10	☐
14041038-06	WG-017360-041414-MR-006	Water		4/14/2014 13:40	4/18/2014 16:10	☐
14041038-07	WG-017360-041414-MR-007	Water		4/14/2014 15:54	4/18/2014 16:10	☐
14041038-08	WG-017360-041414-MR-008	Water		4/14/2014 15:28	4/18/2014 16:10	☐
14041038-09	WG-017360-041514-MR-009	Water		4/15/2014 10:59	4/18/2014 16:10	☐
14041038-10	WG-017360-041514-MR-010	Water		4/15/2014 11:30	4/18/2014 16:10	☐
14041038-11	WG-017360-041514-MR-011	Water		4/15/2014 12:16	4/18/2014 16:10	☐
14041038-12	WG-017360-041514-MR-012	Water		4/15/2014 13:00	4/18/2014 16:10	☐
14041038-13	WG-017360-041514-MR-013	Water		4/15/2014 13:32	4/18/2014 16:10	☐
14041038-14	WG-017360-041514-MR-014	Water		4/15/2014 15:52	4/18/2014 16:10	☐
14041038-15	WG-017360-041514-MR-015	Water		4/15/2014 15:53	4/18/2014 16:10	☐
14041038-16	WG-017360-041614-MR-016	Water		4/16/2014 10:15	4/18/2014 16:10	☐
14041038-17	WG-017360-041614-MR-017	Water		4/16/2014 11:00	4/18/2014 16:10	☐
14041038-18	WG-017360-041614-MR-018	Water		4/16/2014 11:30	4/18/2014 16:10	☐
14041038-19	WG-017360-041614-MR-019	Water		4/16/2014 11:53	4/18/2014 16:10	☐
14041038-20	WG-017360-041614-MR-020	Water		4/16/2014 13:59	4/18/2014 16:10	☐
14041038-21	WG-017360-041614-MR-021	Water		4/16/2014 13:06	4/18/2014 16:10	☐
14041038-22	WG-017360-041614-MR-022	Water		4/16/2014 15:05	4/18/2014 16:10	☐
14041038-23	WG-017360-041614-MR-023	Water		4/16/2014 15:30	4/18/2014 16:10	☐
14041038-24	WG-017360-041614-MR-024	Water		4/16/2014 15:59	4/18/2014 16:10	☐
14041038-25	WG-017360-041714-MR-025	Water		4/17/2014 08:55	4/18/2014 16:10	☐
14041038-26	WG-017360-041714-MR-026	Water		4/17/2014 09:53	4/18/2014 16:10	☐
14041038-27	WG-017360-041714-MR-027	Water		4/17/2014 11:39	4/18/2014 16:10	☐
14041038-28	WG-017360-041714-MR-028	Water		4/17/2014 12:45	4/18/2014 16:10	☐
14041038-29	WG-017360-041714-MR-029	Water		4/17/2014 14:06	4/18/2014 16:10	☐
14041038-30	WG-017360-041714-MR-030	Water		4/17/2014 14:36	4/18/2014 16:10	☐
14041038-31	WG-017360-041714-MR-031	Water		4/17/2014 14:41	4/18/2014 16:10	☐
14041038-32	WG-017360-041714-MR-032	Water		4/17/2014 16:04	4/18/2014 16:10	☐
14041038-33	WG-017360-041714-MR-033	Water		4/17/2014 16:37	4/18/2014 16:10	☐
14041038-34	WG-017360-041714-MR-034	Water		4/17/2014 17:23	4/18/2014 16:10	☐
14041038-35	WG-017360-041814-MR-035	Water		4/18/2014 09:27	4/18/2014 16:10	☐
14041038-36	WG-017360-041814-MR-036	Water		4/18/2014 10:07	4/18/2014 16:10	☐
14041038-37	WG-017360-041814-MR-037	Water		4/18/2014 10:41	4/18/2014 16:10	☐
14041038-38	WG-017360-041814-MR-038	Water		4/18/2014 11:05	4/18/2014 16:10	☐
14041038-39	WG-017360-041814-MR-039	Water		4/18/2014 11:35	4/18/2014 16:10	☐

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Work Order: **14041038**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14041038-40	WG-017360-041814-MR-040	Water		4/18/2014 12:18	4/18/2014 16:10	☐
14041038-41	WG-017360-041814-MR-041	Water		4/18/2014 13:35	4/18/2014 16:10	☐
14041038-42	WG-017360-041814-MR-042	Water		4/18/2014 14:30	4/18/2014 16:10	☐
14041038-43	WG-017360-041814-MR-043	Water		4/18/2014 15:05	4/18/2014 16:10	☐
14041038-44	TB-017360-041814-MR-044	Water		4/18/2014	4/18/2014 16:10	☐

ALS Group USA, Corp

Date: 29-Apr-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
WorkOrder: **14041038**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

Batch 57842a, Method SVO_8270_W, Sample 14041038-27B MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: 4-Chloroaniline.

Batch 57842a, Method SVO_8270_W, Sample 14041038-27B MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: 4-Chloroaniline.

Batch 57842a, Method SVO_8270_W, Sample SLCSW1-57842: The LCS recovery was above the upper control limit. The sample results for this analyte may be biased high for this analyte: 4-Chloroaniline.

Batch R139593, Method VOC_8260_W, Sample 14041038-04A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Hexachloroethane and trans-1,3-dichloropropene

Batch R139593, Method VOC_8260_W, Sample 14041038-04A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Hexachloroethane and trans-1,3-dichloropropene

Batch R139593, Method VOC_8260_W, Sample VLCSW2-140425: The LCS recovery was outside of the lower control limit but within the Sporadic Marginal Exceedence limit for an analyte that is not a project-specific analyte of concern. No qualification is necessary for this analyte: Hexachloroethane

Batch R139642, Method VOC_8260_W, Sample VLCSW2-140425: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: Methyl Iodide

Batch R139643, Method VOC_8260_W, Sample 14041038-20A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Hexachloroethane, MeI, PCE, and trans-1,3-dichloropropene

Batch R139643, Method VOC_8260_W, Sample 14041038-20A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Hexachloroethane, MeI, PCE, and trans-1,3-dichloropropene

Batch R139649, Method VOC_8260_W, Sample 14041046-10B MS and MSD: The MS and/or MSD recovery was outside the control limit. The parent sample is unrelated to this

project.

Batch R139649, Method VOC_8260_W, Sample VLCSW4-140425: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: 1,2-Dibromoethane and Methyl Iodide

Batch R139652, Method VOC_8260_W, Sample 14041039-18A MS and MSD: The MS and/or MSD recovery was outside the control limit. The parent sample is unrelated to this project

Batch R139652, Method VOC_8260_W, Sample VLCSW1-140427: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: Methyl Iodide

Batch R139690, Method VOC_8260_W, Sample 14041038-04A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Hexachloroethane, trans1,3-Dichloropropene

Batch R139690, Method VOC_8260_W, Sample 14041038-04A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Hexachloroethane, trans1,3-Dichloropropene

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-001
Collection Date: 4/14/2014 10:20 AM

Work Order: 14041038
Lab ID: 14041038-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:31
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 18:31
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:31
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 18:31
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 18:31
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 18:31
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 18:31
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 18:31
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 18:31
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 18:31
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:31
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 18:31
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 18:31
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 18:31
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 18:31
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 18:31
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 18:31
Acetone	U		3.0	50	µg/L	1	4/25/2014 18:31
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 18:31
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 18:31
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 18:31
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 18:31
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 18:31
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 18:31
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 18:31
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 18:31
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 18:31
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 18:31
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 18:31
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 18:31
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 18:31
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 18:31
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 18:31
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 18:31
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 18:31
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 18:31
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 18:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-001
Collection Date: 4/14/2014 10:20 AM

Work Order: 14041038
Lab ID: 14041038-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 18:31
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 18:31
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 18:31
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 18:31
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 18:31
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 18:31
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 18:31
Trichloroethene	U		0.16	1.0	µg/L	1	4/25/2014 18:31
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 18:31
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 18:31
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 18:31
Surr: 1,2-Dichloroethane-d4	*100*			*70-120*	*%REC*	1	4/25/2014 18:31
Surr: 4-Bromofluorobenzene	*98.9*			*85-110*	*%REC*	1	4/25/2014 18:31
Surr: Dibromofluoromethane	*95.0*			*90-110*	*%REC*	1	4/25/2014 18:31
Surr: Toluene-d8	*97.8*			*85-115*	*%REC*	1	4/25/2014 18:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-002
Collection Date: 4/14/2014 10:45 AM

Work Order: 14041038
Lab ID: 14041038-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:57
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 18:57
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:57
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 18:57
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 18:57
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 18:57
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 18:57
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 18:57
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 18:57
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 18:57
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 18:57
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 18:57
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 18:57
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 18:57
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 18:57
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 18:57
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 18:57
Acetone	U		3.0	50	µg/L	1	4/25/2014 18:57
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 18:57
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 18:57
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 18:57
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 18:57
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 18:57
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 18:57
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 18:57
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 18:57
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 18:57
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 18:57
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 18:57
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 18:57
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 18:57
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 18:57
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 18:57
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 18:57
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 18:57
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 18:57
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 18:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-002
Collection Date: 4/14/2014 10:45 AM

Work Order: 14041038
Lab ID: 14041038-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 18:57
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 18:57
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 18:57
Tetrachloroethene	**0.75**	J	**0.098**	**1.0**	**µg/L**	1	4/25/2014 18:57
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 18:57
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 18:57
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 18:57
Trichloroethene	U		0.16	1.0	µg/L	1	4/25/2014 18:57
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 18:57
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 18:57
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 18:57
Surr: 1,2-Dichloroethane-d4	*101*			*70-120*	*%REC*	1	4/25/2014 18:57
Surr: 4-Bromofluorobenzene	*98.0*			*85-110*	*%REC*	1	4/25/2014 18:57
Surr: Dibromofluoromethane	*95.0*			*90-110*	*%REC*	1	4/25/2014 18:57
Surr: Toluene-d8	*97.2*			*85-115*	*%REC*	1	4/25/2014 18:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-003
Collection Date: 4/14/2014 11:00 AM

Work Order: 14041038
Lab ID: 14041038-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 19:23
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 19:23
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 19:23
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 19:23
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 19:23
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 19:23
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 19:23
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 19:23
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 19:23
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 19:23
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 19:23
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 19:23
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 19:23
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 19:23
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 19:23
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 19:23
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 19:23
Acetone	U		3.0	50	µg/L	1	4/25/2014 19:23
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 19:23
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 19:23
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 19:23
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 19:23
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 19:23
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 19:23
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 19:23
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 19:23
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 19:23
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 19:23
cis-1,2-Dichloroethene	**1.6**		**0.10**	**1.0**	**µg/L**	1	4/25/2014 19:23
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 19:23
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 19:23
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 19:23
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 19:23
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 19:23
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 19:23
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 19:23
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 19:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: SW-017360-041414-MR-003
Collection Date: 4/14/2014 11:00 AM

Work Order: 14041038
Lab ID: 14041038-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 19:23
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 19:23
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 19:23
Tetrachloroethene	**4.7**		**0.098**	**1.0**	**µg/L**	1	4/25/2014 19:23
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 19:23
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 19:23
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 19:23
Trichloroethene	**1.1**		**0.16**	**1.0**	**µg/L**	1	4/25/2014 19:23
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 19:23
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 19:23
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 19:23
Surr: 1,2-Dichloroethane-d4	*101*			*70-120*	*%REC*	1	4/25/2014 19:23
Surr: 4-Bromofluorobenzene	*99.2*			*85-110*	*%REC*	1	4/25/2014 19:23
Surr: Dibromofluoromethane	*96.3*			*90-110*	*%REC*	1	4/25/2014 19:23
Surr: Toluene-d8	*95.7*			*85-115*	*%REC*	1	4/25/2014 19:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-004
Collection Date: 4/14/2014 12:47 PM

Work Order: 14041038
Lab ID: 14041038-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139690							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/28/2014 12:13
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/28/2014 12:13
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/28/2014 12:13
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/28/2014 12:13
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/28/2014 12:13
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/28/2014 12:13
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/28/2014 12:13
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/28/2014 12:13
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/28/2014 12:13
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/28/2014 12:13
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/28/2014 12:13
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/28/2014 12:13
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/28/2014 12:13
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/28/2014 12:13
2-Butanone	U		0.64	25	µg/L	1	4/28/2014 12:13
2-Hexanone	U		0.19	50	µg/L	1	4/28/2014 12:13
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/28/2014 12:13
Acetone	U		3.0	50	µg/L	1	4/28/2014 12:13
Benzene	U		0.14	1.0	µg/L	1	4/28/2014 12:13
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/28/2014 12:13
Bromoform	U		0.18	1.0	µg/L	1	4/28/2014 12:13
Bromomethane	U		0.38	5.0	µg/L	1	4/28/2014 12:13
Carbon disulfide	U		0.26	5.0	µg/L	1	4/28/2014 12:13
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/28/2014 12:13
Chlorobenzene	U		0.12	1.0	µg/L	1	4/28/2014 12:13
Chloroethane	U		0.25	5.0	µg/L	1	4/28/2014 12:13
Chloroform	U		0.15	1.0	µg/L	1	4/28/2014 12:13
Chloromethane	U		0.29	5.0	µg/L	1	4/28/2014 12:13
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/28/2014 12:13
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/28/2014 12:13
Cyclohexane	U		0.20	1.0	µg/L	1	4/28/2014 12:13
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/28/2014 12:13
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/28/2014 12:13
Ethylbenzene	U		0.12	1.0	µg/L	1	4/28/2014 12:13
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/28/2014 12:13
Methyl acetate	U		0.76	10	µg/L	1	4/28/2014 12:13
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/28/2014 12:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-004
Collection Date: 4/14/2014 12:47 PM

Work Order: 14041038
Lab ID: 14041038-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/28/2014 12:13
Methylene chloride	U		0.75	5.0	µg/L	1	4/28/2014 12:13
Styrene	U		0.12	1.0	µg/L	1	4/28/2014 12:13
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/28/2014 12:13
Toluene	U		0.13	1.0	µg/L	1	4/28/2014 12:13
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/28/2014 12:13
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/28/2014 12:13
Trichloroethene	U		0.16	1.0	µg/L	1	4/28/2014 12:13
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/28/2014 12:13
Vinyl chloride	U		0.15	1.0	µg/L	1	4/28/2014 12:13
Xylenes, Total	U		0.30	3.0	µg/L	1	4/28/2014 12:13
Surr: 1,2-Dichloroethane-d4	*99.9*			*75-120*	*%REC*	1	4/28/2014 12:13
Surr: 4-Bromofluorobenzene	*94.8*			*80-110*	*%REC*	1	4/28/2014 12:13
Surr: Dibromofluoromethane	*98.5*			*85-115*	*%REC*	1	4/28/2014 12:13
Surr: Toluene-d8	*98.8*			*85-110*	*%REC*	1	4/28/2014 12:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-005
Collection Date: 4/14/2014 01:25 PM

Work Order: 14041038
Lab ID: 14041038-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:15
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 20:15
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:15
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 20:15
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 20:15
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 20:15
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 20:15
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 20:15
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 20:15
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 20:15
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:15
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 20:15
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 20:15
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 20:15
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 20:15
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 20:15
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 20:15
Acetone	U		3.0	50	µg/L	1	4/25/2014 20:15
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 20:15
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 20:15
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 20:15
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 20:15
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 20:15
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 20:15
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 20:15
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 20:15
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 20:15
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 20:15
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 20:15
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 20:15
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 20:15
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 20:15
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 20:15
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 20:15
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 20:15
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 20:15
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 20:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-005
Collection Date: 4/14/2014 01:25 PM

Work Order: 14041038
Lab ID: 14041038-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 20:15
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 20:15
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 20:15
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 20:15
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 20:15
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 20:15
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 20:15
Trichloroethene	U		0.16	1.0	µg/L	1	4/25/2014 20:15
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 20:15
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 20:15
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 20:15
Surr: 1,2-Dichloroethane-d4	*100*			*70-120*	*%REC*	1	4/25/2014 20:15
Surr: 4-Bromofluorobenzene	*98.4*			*85-110*	*%REC*	1	4/25/2014 20:15
Surr: Dibromofluoromethane	*95.3*			*90-110*	*%REC*	1	4/25/2014 20:15
Surr: Toluene-d8	*95.6*			*85-115*	*%REC*	1	4/25/2014 20:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-006
Collection Date: 4/14/2014 01:40 PM

Work Order: 14041038
Lab ID: 14041038-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:41
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 20:41
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:41
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 20:41
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 20:41
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 20:41
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 20:41
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 20:41
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 20:41
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 20:41
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 20:41
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 20:41
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 20:41
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 20:41
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 20:41
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 20:41
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 20:41
Acetone	U		3.0	50	µg/L	1	4/25/2014 20:41
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 20:41
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 20:41
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 20:41
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 20:41
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 20:41
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 20:41
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 20:41
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 20:41
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 20:41
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 20:41
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 20:41
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 20:41
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 20:41
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 20:41
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 20:41
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 20:41
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 20:41
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 20:41
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 20:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-006
Collection Date: 4/14/2014 01:40 PM

Work Order: 14041038
Lab ID: 14041038-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 20:41
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 20:41
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 20:41
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 20:41
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 20:41
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 20:41
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 20:41
Trichloroethene	U		0.16	1.0	µg/L	1	4/25/2014 20:41
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 20:41
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 20:41
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 20:41
Surr: 1,2-Dichloroethane-d4	*102*			*70-120*	*%REC*	1	4/25/2014 20:41
Surr: 4-Bromofluorobenzene	*99.8*			*85-110*	*%REC*	1	4/25/2014 20:41
Surr: Dibromofluoromethane	*95.8*			*90-110*	*%REC*	1	4/25/2014 20:41
Surr: Toluene-d8	*96.6*			*85-115*	*%REC*	1	4/25/2014 20:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-007
Collection Date: 4/14/2014 03:54 PM

Work Order: 14041038
Lab ID: 14041038-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:07
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 21:07
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:07
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 21:07
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 21:07
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:07
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 21:07
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 21:07
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 21:07
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 21:07
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:07
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 21:07
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:07
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:07
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 21:07
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 21:07
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 21:07
Acetone	U		3.0	50	µg/L	1	4/25/2014 21:07
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 21:07
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:07
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 21:07
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 21:07
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 21:07
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 21:07
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:07
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 21:07
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 21:07
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 21:07
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 21:07
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 21:07
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 21:07
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 21:07
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 21:07
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:07
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 21:07
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 21:07
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 21:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-007
Collection Date: 4/14/2014 03:54 PM

Work Order: 14041038
Lab ID: 14041038-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 21:07
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 21:07
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 21:07
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 21:07
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 21:07
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:07
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 21:07
Trichloroethene	U		0.16	1.0	µg/L	1	4/25/2014 21:07
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:07
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 21:07
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 21:07
Surr: 1,2-Dichloroethane-d4	*100*			*70-120*	*%REC*	1	4/25/2014 21:07
Surr: 4-Bromofluorobenzene	*102*			*85-110*	*%REC*	1	4/25/2014 21:07
Surr: Dibromofluoromethane	*95.0*			*90-110*	*%REC*	1	4/25/2014 21:07
Surr: Toluene-d8	*97.0*			*85-115*	*%REC*	1	4/25/2014 21:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-008
Collection Date: 4/14/2014 03:28 PM

Work Order: 14041038
Lab ID: 14041038-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 21:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 21:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 21:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 21:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 21:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 21:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 21:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 21:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:32
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 21:32
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 21:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 21:32
Acetone	U		3.0	50	µg/L	1	4/25/2014 21:32
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 21:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:32
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 21:32
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 21:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 21:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 21:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:32
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 21:32
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 21:32
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 21:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/25/2014 21:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 21:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 21:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 21:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 21:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 21:32
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 21:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 21:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041414-MR-008
Collection Date: 4/14/2014 03:28 PM

Work Order: 14041038
Lab ID: 14041038-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 21:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 21:32
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 21:32
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 21:32
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 21:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 21:32
Trichloroethene	**2.3**		**0.16**	**1.0**	**µg/L**	1	4/25/2014 21:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 21:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 21:32
Surr: 1,2-Dichloroethane-d4	*101*			*70-120*	*%REC*	1	4/25/2014 21:32
Surr: 4-Bromofluorobenzene	*99.2*			*85-110*	*%REC*	1	4/25/2014 21:32
Surr: Dibromofluoromethane	*96.0*			*90-110*	*%REC*	1	4/25/2014 21:32
Surr: Toluene-d8	*95.4*			*85-115*	*%REC*	1	4/25/2014 21:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-009
Collection Date: 4/15/2014 10:59 AM

Work Order: 14041038
Lab ID: 14041038-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139593							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:58
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/25/2014 21:58
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:58
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/25/2014 21:58
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/25/2014 21:58
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:58
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/25/2014 21:58
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/25/2014 21:58
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/25/2014 21:58
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/25/2014 21:58
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/25/2014 21:58
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/25/2014 21:58
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:58
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/25/2014 21:58
2-Butanone	U		0.64	25	µg/L	1	4/25/2014 21:58
2-Hexanone	U		0.19	50	µg/L	1	4/25/2014 21:58
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/25/2014 21:58
Acetone	U		3.0	50	µg/L	1	4/25/2014 21:58
Benzene	U		0.14	1.0	µg/L	1	4/25/2014 21:58
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:58
Bromoform	U		0.18	1.0	µg/L	1	4/25/2014 21:58
Bromomethane	U		0.38	5.0	µg/L	1	4/25/2014 21:58
Carbon disulfide	U		0.26	5.0	µg/L	1	4/25/2014 21:58
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/25/2014 21:58
Chlorobenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:58
Chloroethane	U		0.25	5.0	µg/L	1	4/25/2014 21:58
Chloroform	U		0.15	1.0	µg/L	1	4/25/2014 21:58
Chloromethane	U		0.29	5.0	µg/L	1	4/25/2014 21:58
cis-1,2-Dichloroethene	**0.62**	J	**0.10**	**1.0**	**µg/L**	1	4/25/2014 21:58
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/25/2014 21:58
Cyclohexane	U		0.20	1.0	µg/L	1	4/25/2014 21:58
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/25/2014 21:58
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/25/2014 21:58
Ethylbenzene	U		0.12	1.0	µg/L	1	4/25/2014 21:58
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/25/2014 21:58
Methyl acetate	U		0.76	10	µg/L	1	4/25/2014 21:58
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/25/2014 21:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-009
Collection Date: 4/15/2014 10:59 AM

Work Order: 14041038
Lab ID: 14041038-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/25/2014 21:58
Methylene chloride	U		0.75	5.0	µg/L	1	4/25/2014 21:58
Styrene	U		0.12	1.0	µg/L	1	4/25/2014 21:58
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/25/2014 21:58
Toluene	U		0.13	1.0	µg/L	1	4/25/2014 21:58
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/25/2014 21:58
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/25/2014 21:58
Trichloroethene	**3.5**		**0.16**	**1.0**	**µg/L**	1	4/25/2014 21:58
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/25/2014 21:58
Vinyl chloride	U		0.15	1.0	µg/L	1	4/25/2014 21:58
Xylenes, Total	U		0.30	3.0	µg/L	1	4/25/2014 21:58
Surr: 1,2-Dichloroethane-d4	*99.4*			*70-120*	*%REC*	1	4/25/2014 21:58
Surr: 4-Bromofluorobenzene	*100*			*85-110*	*%REC*	1	4/25/2014 21:58
Surr: Dibromofluoromethane	*93.2*			*90-110*	*%REC*	1	4/25/2014 21:58
Surr: Toluene-d8	*97.4*			*85-115*	*%REC*	1	4/25/2014 21:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-010
Collection Date: 4/15/2014 11:30 AM

Work Order: 14041038
Lab ID: 14041038-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/22/14		Analyst: **LR**
BatchID: 57848							
Mercury	U		0.00010	0.00020	mg/L	1	4/23/2014 13:52
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/21/14		Analyst: **RH**
BatchID: 57818							
Antimony	**0.00015**	J	**0.000036**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Arsenic	U		0.00058	0.0050	mg/L	1	4/27/2014 19:04
Barium	**0.091**		**0.000063**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Beryllium	U		0.000082	0.0020	mg/L	1	4/27/2014 19:04
Cadmium	**0.00032**	J	**0.000045**	**0.0020**	**mg/L**	1	4/27/2014 19:04
Chromium	U		0.00027	0.0050	mg/L	1	4/27/2014 19:04
Cobalt	**0.00072**	J	**0.000041**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Copper	**0.0011**	J	**0.00053**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Lead	**0.0014**	J	**0.000051**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Manganese	**0.047**		**0.000054**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Molybdenum	**0.00036**	J	**0.000088**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Nickel	**0.0044**	J	**0.00025**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Selenium	**0.00092**	J	**0.00064**	**0.0050**	**mg/L**	1	4/27/2014 19:04
Silver	U		0.000042	0.0050	mg/L	1	4/27/2014 19:04
Thallium	U		0.000062	0.0050	mg/L	1	4/27/2014 19:04
Vanadium	U		0.00016	0.0050	mg/L	1	4/27/2014 19:04
Zinc	**0.85**		**0.00048**	**0.010**	**mg/L**	1	4/27/2014 19:04
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	**0.48**	J	**0.11**	**1.0**	**µg/L**	1	4/26/2014 14:05
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 14:05
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:05
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 14:05
1,1-Dichloroethane	**0.72**	J	**0.14**	**1.0**	**µg/L**	1	4/26/2014 14:05
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 14:05
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 14:05
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 14:05
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 14:05
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 14:05
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:05
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 14:05
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:05
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-010
Collection Date: 4/15/2014 11:30 AM

Work Order: 14041038
Lab ID: 14041038-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 14:05
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 14:05
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 14:05
Acetone	U		3.0	50	µg/L	1	4/26/2014 14:05
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 14:05
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:05
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 14:05
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 14:05
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 14:05
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 14:05
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:05
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 14:05
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 14:05
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 14:05
cis-1,2-Dichloroethene	**16**		**0.10**	**1.0**	**µg/L**	1	4/26/2014 14:05
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 14:05
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 14:05
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 14:05
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 14:05
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:05
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 14:05
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 14:05
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 14:05
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 14:05
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 14:05
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 14:05
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 14:05
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 14:05
trans-1,2-Dichloroethene	**0.30**	J	**0.12**	**1.0**	**µg/L**	1	4/26/2014 14:05
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 14:05
Trichloroethene	**14**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 14:05
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:05
Vinyl chloride	**1.2**		**0.15**	**1.0**	**µg/L**	1	4/26/2014 14:05
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 14:05
Surr: 1,2-Dichloroethane-d4	*108*			*75-120*	*%REC*	1	4/26/2014 14:05
Surr: 4-Bromofluorobenzene	*87.8*			*80-110*	*%REC*	1	4/26/2014 14:05
Surr: Dibromofluoromethane	*110*			*85-115*	*%REC*	1	4/26/2014 14:05
Surr: Toluene-d8	*95.4*			*85-110*	*%REC*	1	4/26/2014 14:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-011
Collection Date: 4/15/2014 12:16 PM

Work Order: 14041038
Lab ID: 14041038-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:29
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 14:29
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:29
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 14:29
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 14:29
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 14:29
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 14:29
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 14:29
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 14:29
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 14:29
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:29
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 14:29
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:29
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:29
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 14:29
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 14:29
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 14:29
Acetone	U		3.0	50	µg/L	1	4/26/2014 14:29
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 14:29
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:29
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 14:29
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 14:29
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 14:29
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 14:29
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:29
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 14:29
Chloroform	**0.81**	J	**0.15**	**1.0**	**µg/L**	1	4/26/2014 14:29
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 14:29
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 14:29
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 14:29
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 14:29
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 14:29
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 14:29
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:29
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 14:29
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 14:29
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 14:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-011
Collection Date: 4/15/2014 12:16 PM

Work Order: 14041038
Lab ID: 14041038-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 14:29
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 14:29
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 14:29
Tetrachloroethene	**0.41**	J	**0.098**	**1.0**	**µg/L**	1	4/26/2014 14:29
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 14:29
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 14:29
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 14:29
Trichloroethene	**0.34**	J	**0.16**	**1.0**	**µg/L**	1	4/26/2014 14:29
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:29
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 14:29
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 14:29
Surr: 1,2-Dichloroethane-d4	*108*			*70-120*	*%REC*	1	4/26/2014 14:29
Surr: 4-Bromofluorobenzene	*87.3*			*85-110*	*%REC*	1	4/26/2014 14:29
Surr: Dibromofluoromethane	*109*			*90-110*	*%REC*	1	4/26/2014 14:29
Surr: Toluene-d8	*92.8*			*85-115*	*%REC*	1	4/26/2014 14:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-012
Collection Date: 4/15/2014 01:00 PM

Work Order: 14041038
Lab ID: 14041038-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:54
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 14:54
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:54
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 14:54
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 14:54
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 14:54
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 14:54
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 14:54
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 14:54
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 14:54
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 14:54
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 14:54
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:54
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 14:54
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 14:54
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 14:54
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 14:54
Acetone	U		3.0	50	µg/L	1	4/26/2014 14:54
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 14:54
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:54
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 14:54
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 14:54
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 14:54
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 14:54
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:54
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 14:54
Chloroform	**17**		**0.15**	**1.0**	**µg/L**	1	4/26/2014 14:54
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 14:54
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 14:54
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 14:54
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 14:54
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 14:54
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 14:54
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 14:54
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 14:54
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 14:54
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 14:54

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-012
Collection Date: 4/15/2014 01:00 PM

Work Order: 14041038
Lab ID: 14041038-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 14:54
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 14:54
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 14:54
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 14:54
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 14:54
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 14:54
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 14:54
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 14:54
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 14:54
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 14:54
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 14:54
Surr: 1,2-Dichloroethane-d4	*107*			*70-120*	*%REC*	1	4/26/2014 14:54
Surr: 4-Bromofluorobenzene	*87.0*			*85-110*	*%REC*	1	4/26/2014 14:54
Surr: Dibromofluoromethane	*110*			*90-110*	*%REC*	1	4/26/2014 14:54
Surr: Toluene-d8	*94.6*			*85-115*	*%REC*	1	4/26/2014 14:54

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-013
Collection Date: 4/15/2014 01:32 PM

Work Order: 14041038
Lab ID: 14041038-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:18
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 15:18
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:18
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 15:18
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 15:18
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 15:18
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 15:18
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 15:18
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 15:18
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 15:18
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:18
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 15:18
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 15:18
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 15:18
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 15:18
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 15:18
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 15:18
Acetone	U		3.0	50	µg/L	1	4/26/2014 15:18
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 15:18
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 15:18
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 15:18
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 15:18
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 15:18
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 15:18
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 15:18
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 15:18
Chloroform	**17**		**0.15**	**1.0**	**µg/L**	1	4/26/2014 15:18
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 15:18
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 15:18
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 15:18
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 15:18
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 15:18
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 15:18
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 15:18
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 15:18
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 15:18
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 15:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-013
Collection Date: 4/15/2014 01:32 PM

Work Order: 14041038
Lab ID: 14041038-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 15:18
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 15:18
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 15:18
Tetrachloroethene	**0.41**	J	**0.098**	**1.0**	**µg/L**	1	4/26/2014 15:18
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 15:18
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 15:18
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 15:18
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 15:18
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 15:18
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 15:18
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 15:18
Surr: 1,2-Dichloroethane-d4	*107*			*70-120*	*%REC*	1	4/26/2014 15:18
Surr: 4-Bromofluorobenzene	*88.2*			*85-110*	*%REC*	1	4/26/2014 15:18
Surr: Dibromofluoromethane	*109*			*90-110*	*%REC*	1	4/26/2014 15:18
Surr: Toluene-d8	*95.1*			*85-115*	*%REC*	1	4/26/2014 15:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-014
Collection Date: 4/15/2014 03:52 PM

Work Order: 14041038
Lab ID: 14041038-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:42
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 15:42
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:42
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 15:42
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 15:42
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 15:42
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 15:42
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 15:42
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 15:42
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 15:42
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 15:42
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 15:42
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 15:42
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 15:42
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 15:42
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 15:42
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 15:42
Acetone	U		3.0	50	µg/L	1	4/26/2014 15:42
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 15:42
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 15:42
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 15:42
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 15:42
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 15:42
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 15:42
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 15:42
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 15:42
Chloroform	**0.66**	J	**0.15**	**1.0**	**µg/L**	1	4/26/2014 15:42
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 15:42
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 15:42
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 15:42
Cyclohexane	**0.78**	J	**0.20**	**1.0**	**µg/L**	1	4/26/2014 15:42
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 15:42
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 15:42
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 15:42
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 15:42
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 15:42
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 15:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-014
Collection Date: 4/15/2014 03:52 PM

Work Order: 14041038
Lab ID: 14041038-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 15:42
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 15:42
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 15:42
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 15:42
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 15:42
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 15:42
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 15:42
Trichloroethene	**3.4**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 15:42
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 15:42
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 15:42
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 15:42
Surr: 1,2-Dichloroethane-d4	*109*			*75-120*	*%REC*	1	4/26/2014 15:42
Surr: 4-Bromofluorobenzene	*87.5*			*80-110*	*%REC*	1	4/26/2014 15:42
Surr: Dibromofluoromethane	*111*			*85-115*	*%REC*	1	4/26/2014 15:42
Surr: Toluene-d8	*94.4*			*85-110*	*%REC*	1	4/26/2014 15:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-015
Collection Date: 4/15/2014 03:53 PM

Work Order: 14041038
Lab ID: 14041038-15
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:07
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 16:07
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:07
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 16:07
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 16:07
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:07
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 16:07
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 16:07
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 16:07
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 16:07
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:07
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 16:07
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:07
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:07
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 16:07
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 16:07
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 16:07
Acetone	U		3.0	50	µg/L	1	4/26/2014 16:07
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 16:07
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:07
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 16:07
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 16:07
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 16:07
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 16:07
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:07
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 16:07
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 16:07
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 16:07
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 16:07
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 16:07
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 16:07
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 16:07
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 16:07
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:07
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 16:07
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 16:07
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 16:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041514-MR-015
Collection Date: 4/15/2014 03:53 PM

Work Order: 14041038
Lab ID: 14041038-15
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 16:07
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 16:07
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 16:07
Tetrachloroethene	**0.62**	J	**0.098**	**1.0**	**µg/L**	1	4/26/2014 16:07
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 16:07
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:07
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 16:07
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 16:07
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:07
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 16:07
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 16:07
Surr: 1,2-Dichloroethane-d4	*106*			*70-120*	*%REC*	1	4/26/2014 16:07
Surr: 4-Bromofluorobenzene	*87.2*			*85-110*	*%REC*	1	4/26/2014 16:07
Surr: Dibromofluoromethane	*109*			*90-110*	*%REC*	1	4/26/2014 16:07
Surr: Toluene-d8	*95.6*			*85-115*	*%REC*	1	4/26/2014 16:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-016
Collection Date: 4/16/2014 10:15 AM

Work Order: 14041038
Lab ID: 14041038-16
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 16:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 16:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 16:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 16:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 16:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 16:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 16:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 16:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:32
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 16:32
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 16:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 16:32
Acetone	U		3.0	50	µg/L	1	4/26/2014 16:32
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 16:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:32
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 16:32
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 16:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 16:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 16:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:32
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 16:32
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 16:32
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 16:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 16:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 16:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 16:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 16:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 16:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 16:32
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 16:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 16:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-016
Collection Date: 4/16/2014 10:15 AM

Work Order: 14041038
Lab ID: 14041038-16
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 16:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 16:32
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 16:32
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 16:32
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 16:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 16:32
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 16:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 16:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 16:32
Surr: 1,2-Dichloroethane-d4	*108*			*75-120*	*%REC*	1	4/26/2014 16:32
Surr: 4-Bromofluorobenzene	*82.6*			*80-110*	*%REC*	1	4/26/2014 16:32
Surr: Dibromofluoromethane	*107*			*85-115*	*%REC*	1	4/26/2014 16:32
Surr: Toluene-d8	*94.4*			*85-110*	*%REC*	1	4/26/2014 16:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-017
Collection Date: 4/16/2014 11:00 AM

Work Order: 14041038
Lab ID: 14041038-17
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139649							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:56
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 16:56
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:56
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 16:56
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 16:56
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:56
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 16:56
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 16:56
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 16:56
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 16:56
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 16:56
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 16:56
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:56
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 16:56
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 16:56
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 16:56
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 16:56
Acetone	U		3.0	50	µg/L	1	4/26/2014 16:56
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 16:56
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:56
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 16:56
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 16:56
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 16:56
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 16:56
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:56
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 16:56
Chloroform	**0.25**	J	**0.15**	**1.0**	**µg/L**	1	4/26/2014 16:56
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 16:56
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 16:56
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 16:56
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 16:56
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 16:56
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 16:56
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 16:56
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 16:56
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 16:56
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 16:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-017
Collection Date: 4/16/2014 11:00 AM

Work Order: 14041038
Lab ID: 14041038-17
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 16:56
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 16:56
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 16:56
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 16:56
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 16:56
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 16:56
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 16:56
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 16:56
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 16:56
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 16:56
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 16:56
Surr: 1,2-Dichloroethane-d4	*109*			*70-120*	*%REC*	1	4/26/2014 16:56
Surr: 4-Bromofluorobenzene	*88.2*			*85-110*	*%REC*	1	4/26/2014 16:56
Surr: Dibromofluoromethane	*106*			*90-110*	*%REC*	1	4/26/2014 16:56
Surr: Toluene-d8	*94.4*			*85-115*	*%REC*	1	4/26/2014 16:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-018
Collection Date: 4/16/2014 11:30 AM

Work Order: 14041038
Lab ID: 14041038-18
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 03:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 03:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 03:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 03:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 03:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 03:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 03:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 03:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 03:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 03:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 03:32
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 03:32
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 03:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 03:32
Acetone	U		3.0	50	µg/L	1	4/26/2014 03:32
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 03:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 03:32
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 03:32
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 03:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 03:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 03:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 03:32
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 03:32
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 03:32
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 03:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 03:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 03:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 03:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 03:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 03:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 03:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 03:32
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 03:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 03:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-018
Collection Date: 4/16/2014 11:30 AM

Work Order: 14041038
Lab ID: 14041038-18
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 03:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 03:32
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 03:32
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 03:32
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 03:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 03:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 03:32
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 03:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 03:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 03:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 03:32
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-120*	*%REC*	1	4/26/2014 03:32
Surr: 4-Bromofluorobenzene	*98.8*			*85-110*	*%REC*	1	4/26/2014 03:32
Surr: Dibromofluoromethane	*98.0*			*90-110*	*%REC*	1	4/26/2014 03:32
Surr: Toluene-d8	*96.4*			*85-115*	*%REC*	1	4/26/2014 03:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-019
Collection Date: 4/16/2014 11:53 AM

Work Order: 14041038
Lab ID: 14041038-19
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:57
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 03:57
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:57
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 03:57
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 03:57
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 03:57
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 03:57
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 03:57
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 03:57
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 03:57
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 03:57
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 03:57
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 03:57
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 03:57
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 03:57
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 03:57
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 03:57
Acetone	U		3.0	50	µg/L	1	4/26/2014 03:57
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 03:57
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 03:57
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 03:57
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 03:57
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 03:57
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 03:57
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 03:57
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 03:57
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 03:57
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 03:57
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 03:57
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 03:57
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 03:57
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 03:57
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 03:57
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 03:57
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 03:57
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 03:57
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 03:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-019
Collection Date: 4/16/2014 11:53 AM

Work Order: 14041038
Lab ID: 14041038-19
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 03:57
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 03:57
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 03:57
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 03:57
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 03:57
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 03:57
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 03:57
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 03:57
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 03:57
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 03:57
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 03:57
Surr: 1,2-Dichloroethane-d4	*101*			*70-120*	*%REC*	1	4/26/2014 03:57
Surr: 4-Bromofluorobenzene	*99.6*			*85-110*	*%REC*	1	4/26/2014 03:57
Surr: Dibromofluoromethane	*96.2*			*90-110*	*%REC*	1	4/26/2014 03:57
Surr: Toluene-d8	*98.0*			*85-115*	*%REC*	1	4/26/2014 03:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-020
Collection Date: 4/16/2014 01:59 PM

Work Order: 14041038
Lab ID: 14041038-20
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:23
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 04:23
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:23
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 04:23
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 04:23
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 04:23
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 04:23
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 04:23
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 04:23
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 04:23
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:23
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 04:23
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 04:23
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 04:23
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 04:23
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 04:23
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 04:23
Acetone	U		3.0	50	µg/L	1	4/26/2014 04:23
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 04:23
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 04:23
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 04:23
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 04:23
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 04:23
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 04:23
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 04:23
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 04:23
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 04:23
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 04:23
cis-1,2-Dichloroethene	**51**		**0.10**	**1.0**	**µg/L**	1	4/26/2014 04:23
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 04:23
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 04:23
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 04:23
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 04:23
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 04:23
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 04:23
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 04:23
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 04:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-020
Collection Date: 4/16/2014 01:59 PM

Work Order: 14041038
Lab ID: 14041038-20
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 04:23
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 04:23
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 04:23
Tetrachloroethene	**92**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 04:23
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 04:23
trans-1,2-Dichloroethene	**1.1**		**0.12**	**1.0**	**µg/L**	1	4/26/2014 04:23
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 04:23
Trichloroethene	**8.0**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 04:23
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 04:23
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 04:23
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 04:23
Surr: 1,2-Dichloroethane-d4	*97.7*			*70-120*	*%REC*	1	4/26/2014 04:23
Surr: 4-Bromofluorobenzene	*98.8*			*85-110*	*%REC*	1	4/26/2014 04:23
Surr: Dibromofluoromethane	*98.4*			*90-110*	*%REC*	1	4/26/2014 04:23
Surr: Toluene-d8	*96.4*			*85-115*	*%REC*	1	4/26/2014 04:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-021
Collection Date: 4/16/2014 01:06 PM

Work Order: 14041038
Lab ID: 14041038-21
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:49
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 04:49
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:49
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 04:49
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 04:49
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 04:49
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 04:49
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 04:49
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 04:49
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 04:49
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 04:49
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 04:49
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 04:49
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 04:49
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 04:49
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 04:49
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 04:49
Acetone	U		3.0	50	µg/L	1	4/26/2014 04:49
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 04:49
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 04:49
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 04:49
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 04:49
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 04:49
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 04:49
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 04:49
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 04:49
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 04:49
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 04:49
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 04:49
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 04:49
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 04:49
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 04:49
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 04:49
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 04:49
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 04:49
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 04:49
Methyl tert-butyl ether	**0.73**	J	**0.28**	**5.0**	**µg/L**	1	4/26/2014 04:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-021
Collection Date: 4/16/2014 01:06 PM

Work Order: 14041038
Lab ID: 14041038-21
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 04:49
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 04:49
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 04:49
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 04:49
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 04:49
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 04:49
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 04:49
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 04:49
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 04:49
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 04:49
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 04:49
Surr: 1,2-Dichloroethane-d4	*99.2*			*70-120*	*%REC*	1	4/26/2014 04:49
Surr: 4-Bromofluorobenzene	*98.6*			*85-110*	*%REC*	1	4/26/2014 04:49
Surr: Dibromofluoromethane	*96.8*			*90-110*	*%REC*	1	4/26/2014 04:49
Surr: Toluene-d8	*98.2*			*85-115*	*%REC*	1	4/26/2014 04:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-022
Collection Date: 4/16/2014 03:05 PM

Work Order: 14041038
Lab ID: 14041038-22
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:14
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 05:14
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:14
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 05:14
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 05:14
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 05:14
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 05:14
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 05:14
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 05:14
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 05:14
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:14
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 05:14
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 05:14
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 05:14
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 05:14
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 05:14
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 05:14
Acetone	U		3.0	50	µg/L	1	4/26/2014 05:14
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 05:14
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 05:14
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 05:14
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 05:14
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 05:14
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 05:14
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 05:14
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 05:14
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 05:14
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 05:14
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 05:14
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 05:14
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 05:14
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 05:14
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 05:14
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 05:14
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 05:14
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 05:14
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 05:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-022
Collection Date: 4/16/2014 03:05 PM

Work Order: 14041038
Lab ID: 14041038-22
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 05:14
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 05:14
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 05:14
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 05:14
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 05:14
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 05:14
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 05:14
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 05:14
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 05:14
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 05:14
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 05:14
Surr: 1,2-Dichloroethane-d4	*99.6*			*70-120*	*%REC*	1	4/26/2014 05:14
Surr: 4-Bromofluorobenzene	*97.5*			*85-110*	*%REC*	1	4/26/2014 05:14
Surr: Dibromofluoromethane	*99.1*			*90-110*	*%REC*	1	4/26/2014 05:14
Surr: Toluene-d8	*96.8*			*85-115*	*%REC*	1	4/26/2014 05:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-023
Collection Date: 4/16/2014 03:30 PM

Work Order: 14041038
Lab ID: 14041038-23
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:40
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 05:40
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:40
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 05:40
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 05:40
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 05:40
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 05:40
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 05:40
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 05:40
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 05:40
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 05:40
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 05:40
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 05:40
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 05:40
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 05:40
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 05:40
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 05:40
Acetone	U		3.0	50	µg/L	1	4/26/2014 05:40
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 05:40
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 05:40
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 05:40
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 05:40
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 05:40
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 05:40
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 05:40
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 05:40
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 05:40
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 05:40
cis-1,2-Dichloroethene	**1.5**		**0.10**	**1.0**	**µg/L**	1	4/26/2014 05:40
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 05:40
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 05:40
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 05:40
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 05:40
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 05:40
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 05:40
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 05:40
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 05:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-023
Collection Date: 4/16/2014 03:30 PM

Work Order: 14041038
Lab ID: 14041038-23
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 05:40
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 05:40
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 05:40
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 05:40
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 05:40
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 05:40
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 05:40
Trichloroethene	**4.5**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 05:40
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 05:40
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 05:40
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 05:40
Surr: 1,2-Dichloroethane-d4	*99.6*			*70-120*	*%REC*	1	4/26/2014 05:40
Surr: 4-Bromofluorobenzene	*100*			*85-110*	*%REC*	1	4/26/2014 05:40
Surr: Dibromofluoromethane	*97.0*			*90-110*	*%REC*	1	4/26/2014 05:40
Surr: Toluene-d8	*97.6*			*85-115*	*%REC*	1	4/26/2014 05:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-024
Collection Date: 4/16/2014 03:59 PM

Work Order: 14041038
Lab ID: 14041038-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:06
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:06
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:06
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:06
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:06
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:06
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:06
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:06
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:06
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:06
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:06
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:06
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:06
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:06
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:06
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:06
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:06
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:06
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:06
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:06
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:06
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:06
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:06
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:06
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:06
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:06
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:06
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:06
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 06:06
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:06
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:06
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:06
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:06
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:06
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:06
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:06
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041614-MR-024
Collection Date: 4/16/2014 03:59 PM

Work Order: 14041038
Lab ID: 14041038-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:06
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:06
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:06
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 06:06
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:06
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:06
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:06
Trichloroethene	**1.2**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 06:06
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:06
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:06
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:06
Surr: 1,2-Dichloroethane-d4	*99.8*			*70-120*	*%REC*	1	4/26/2014 06:06
Surr: 4-Bromofluorobenzene	*99.2*			*85-110*	*%REC*	1	4/26/2014 06:06
Surr: Dibromofluoromethane	*94.8*			*90-110*	*%REC*	1	4/26/2014 06:06
Surr: Toluene-d8	*97.6*			*85-115*	*%REC*	1	4/26/2014 06:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-025
Collection Date: 4/17/2014 08:55 AM

Work Order: 14041038
Lab ID: 14041038-25
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:32
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:32
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:32
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:32
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:32
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:32
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:32
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:32
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:32
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 06:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:32
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-025
Collection Date: 4/17/2014 08:55 AM

Work Order: 14041038
Lab ID: 14041038-25
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:32
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:32
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 06:32
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:32
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 06:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:32
Surr: 1,2-Dichloroethane-d4	*98.4*			*70-120*	*%REC*	1	4/26/2014 06:32
Surr: 4-Bromofluorobenzene	*98.6*			*85-110*	*%REC*	1	4/26/2014 06:32
Surr: Dibromofluoromethane	*95.3*			*90-110*	*%REC*	1	4/26/2014 06:32
Surr: Toluene-d8	*97.0*			*85-115*	*%REC*	1	4/26/2014 06:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-026
Collection Date: 4/17/2014 09:53 AM

Work Order: 14041038
Lab ID: 14041038-26
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:57
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:57
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:57
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:57
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:57
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:57
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:57
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:57
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:57
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:57
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:57
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:57
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:57
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:57
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:57
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:57
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:57
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:57
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:57
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:57
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:57
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:57
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:57
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:57
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:57
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:57
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:57
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:57
cis-1,2-Dichloroethene	**0.61**	J	**0.10**	**1.0**	**µg/L**	1	4/26/2014 06:57
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:57
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:57
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:57
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:57
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:57
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:57
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:57
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-026
Collection Date: 4/17/2014 09:53 AM

Work Order: 14041038
Lab ID: 14041038-26
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:57
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:57
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:57
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 06:57
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:57
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:57
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:57
Trichloroethene	**2.0**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 06:57
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:57
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:57
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:57
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-120*	*%REC*	1	4/26/2014 06:57
Surr: 4-Bromofluorobenzene	*98.0*			*85-110*	*%REC*	1	4/26/2014 06:57
Surr: Dibromofluoromethane	*96.8*			*90-110*	*%REC*	1	4/26/2014 06:57
Surr: Toluene-d8	*97.4*			*85-115*	*%REC*	1	4/26/2014 06:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-027
Collection Date: 4/17/2014 11:39 AM

Work Order: 14041038
Lab ID: 14041038-27
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**				Analyst: **HL**
BatchID: 57842a							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/23/2014 17:45
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/23/2014 17:45
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/23/2014 17:45
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/23/2014 17:45
2,4-Dimethylphenol	U		1.8	5.0	µg/L	1	4/23/2014 17:45
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/23/2014 17:45
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/23/2014 17:45
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/23/2014 17:45
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/23/2014 17:45
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/23/2014 17:45
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/23/2014 17:45
2-Methylphenol	U		0.20	5.0	µg/L	1	4/23/2014 17:45
2-Nitroaniline	U		0.34	20	µg/L	1	4/23/2014 17:45
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/23/2014 17:45
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/23/2014 17:45
3-Nitroaniline	U		0.34	20	µg/L	1	4/23/2014 17:45
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/23/2014 17:45
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/23/2014 17:45
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/23/2014 17:45
4-Chloroaniline	U		0.32	20	µg/L	1	4/23/2014 17:45
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/23/2014 17:45
4-Methylphenol	U		0.20	5.0	µg/L	1	4/23/2014 17:45
4-Nitroaniline	U		0.30	20	µg/L	1	4/23/2014 17:45
4-Nitrophenol	U		0.51	20	µg/L	1	4/23/2014 17:45
Acenaphthene	U		0.11	5.0	µg/L	1	4/23/2014 17:45
Acenaphthylene	U		0.12	5.0	µg/L	1	4/23/2014 17:45
Acetophenone	U		0.090	1.0	µg/L	1	4/23/2014 17:45
Anthracene	U		0.72	5.0	µg/L	1	4/23/2014 17:45
Atrazine	U		0.13	1.0	µg/L	1	4/23/2014 17:45
Benzaldehyde	U		0.46	1.0	µg/L	1	4/23/2014 17:45
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/23/2014 17:45
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/23/2014 17:45
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/23/2014 17:45
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/23/2014 17:45
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/23/2014 17:45
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/23/2014 17:45
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/23/2014 17:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-027
Collection Date: 4/17/2014 11:39 AM

Work Order: 14041038
Lab ID: 14041038-27
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/23/2014 17:45
Bis(2-ethylhexyl)phthalate	U		0.15	5.0	µg/L	1	4/23/2014 17:45
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/23/2014 17:45
Caprolactam	U		4.7	10	µg/L	1	4/23/2014 17:45
Carbazole	U		0.16	10	µg/L	1	4/23/2014 17:45
Chrysene	U		0.71	5.0	µg/L	1	4/23/2014 17:45
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/23/2014 17:45
Dibenzofuran	U		0.28	5.0	µg/L	1	4/23/2014 17:45
Diethyl phthalate	U		0.24	20	µg/L	1	4/23/2014 17:45
Dimethyl phthalate	U		0.27	20	µg/L	1	4/23/2014 17:45
Di-n-butyl phthalate	U		0.14	5.0	µg/L	1	4/23/2014 17:45
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/23/2014 17:45
Fluoranthene	U		0.77	5.0	µg/L	1	4/23/2014 17:45
Fluorene	U		0.10	5.0	µg/L	1	4/23/2014 17:45
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/23/2014 17:45
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/23/2014 17:45
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/23/2014 17:45
Hexachloroethane	U		0.47	5.0	µg/L	1	4/23/2014 17:45
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/23/2014 17:45
Isophorone	U		0.30	5.0	µg/L	1	4/23/2014 17:45
Naphthalene	U		0.12	5.0	µg/L	1	4/23/2014 17:45
Nitrobenzene	U		0.33	5.0	µg/L	1	4/23/2014 17:45
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/23/2014 17:45
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/23/2014 17:45
Pentachlorophenol	U		0.22	20	µg/L	1	4/23/2014 17:45
Phenanthrene	U		0.86	5.0	µg/L	1	4/23/2014 17:45
Phenol	U		0.32	5.0	µg/L	1	4/23/2014 17:45
Pyrene	U		0.65	5.0	µg/L	1	4/23/2014 17:45
Surr: 2,4,6-Tribromophenol	*64.4*			*32-115*	*%REC*	1	4/23/2014 17:45
Surr: 2-Fluorobiphenyl	*67.3*			*32-100*	*%REC*	1	4/23/2014 17:45
Surr: 2-Fluorophenol	*38.6*			*22-59*	*%REC*	1	4/23/2014 17:45
Surr: 4-Terphenyl-d14	*84.7*			*23-112*	*%REC*	1	4/23/2014 17:45
Surr: Nitrobenzene-d5	*69.9*			*31-93*	*%REC*	1	4/23/2014 17:45
Surr: Phenol-d6	*23.8*			*13-36*	*%REC*	1	4/23/2014 17:45
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:23
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 07:23
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-027
Collection Date: 4/17/2014 11:39 AM

Work Order: 14041038
Lab ID: 14041038-27
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 07:23
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 07:23
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:23
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 07:23
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 07:23
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 07:23
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 07:23
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:23
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 07:23
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:23
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:23
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 07:23
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 07:23
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 07:23
Acetone	U		3.0	50	µg/L	1	4/26/2014 07:23
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 07:23
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:23
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 07:23
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 07:23
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 07:23
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 07:23
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:23
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 07:23
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 07:23
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 07:23
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 07:23
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 07:23
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 07:23
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 07:23
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 07:23
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:23
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 07:23
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 07:23
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 07:23
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 07:23
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 07:23
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 07:23
Tetrachloroethene	**5.6**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 07:23
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 07:23
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-027
Collection Date: 4/17/2014 11:39 AM

Work Order: 14041038
Lab ID: 14041038-27
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 07:23
Trichloroethene	**1.2**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 07:23
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:23
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 07:23
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 07:23
Surr: 1,2-Dichloroethane-d4	*100*			*70-120*	*%REC*	1	4/26/2014 07:23
Surr: 4-Bromofluorobenzene	*99.3*			*85-110*	*%REC*	1	4/26/2014 07:23
Surr: Dibromofluoromethane	*97.4*			*90-110*	*%REC*	1	4/26/2014 07:23
Surr: Toluene-d8	*97.7*			*85-115*	*%REC*	1	4/26/2014 07:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-028
Collection Date: 4/17/2014 12:45 PM

Work Order: 14041038
Lab ID: 14041038-28
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:49
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 07:49
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:49
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 07:49
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 07:49
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:49
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 07:49
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 07:49
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 07:49
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 07:49
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:49
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 07:49
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:49
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:49
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 07:49
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 07:49
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 07:49
Acetone	U		3.0	50	µg/L	1	4/26/2014 07:49
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 07:49
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:49
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 07:49
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 07:49
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 07:49
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 07:49
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:49
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 07:49
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 07:49
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 07:49
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 07:49
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 07:49
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 07:49
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 07:49
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 07:49
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:49
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 07:49
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 07:49
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 07:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-028
Collection Date: 4/17/2014 12:45 PM

Work Order: 14041038
Lab ID: 14041038-28
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 07:49
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 07:49
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 07:49
Tetrachloroethene	**5.5**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 07:49
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 07:49
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:49
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 07:49
Trichloroethene	**1.1**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 07:49
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:49
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 07:49
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 07:49
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-120*	*%REC*	1	4/26/2014 07:49
Surr: 4-Bromofluorobenzene	*98.3*			*85-110*	*%REC*	1	4/26/2014 07:49
Surr: Dibromofluoromethane	*96.6*			*90-110*	*%REC*	1	4/26/2014 07:49
Surr: Toluene-d8	*95.2*			*85-115*	*%REC*	1	4/26/2014 07:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-029
Collection Date: 4/17/2014 02:06 PM

Work Order: 14041038
Lab ID: 14041038-29
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:14
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 08:14
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:14
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 08:14
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 08:14
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:14
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 08:14
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 08:14
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 08:14
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 08:14
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:14
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 08:14
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:14
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:14
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 08:14
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 08:14
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 08:14
Acetone	U		3.0	50	µg/L	1	4/26/2014 08:14
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 08:14
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:14
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 08:14
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 08:14
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 08:14
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 08:14
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:14
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 08:14
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 08:14
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 08:14
cis-1,2-Dichloroethene	**2.2**		**0.10**	**1.0**	**µg/L**	1	4/26/2014 08:14
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 08:14
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 08:14
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 08:14
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 08:14
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:14
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 08:14
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 08:14
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 08:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-029
Collection Date: 4/17/2014 02:06 PM

Work Order: 14041038
Lab ID: 14041038-29
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 08:14
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 08:14
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 08:14
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 08:14
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:14
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 08:14
Trichloroethene	**1.3**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 08:14
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:14
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 08:14
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 08:14
Surr: 1,2-Dichloroethane-d4	*99.0*			*70-120*	*%REC*	1	4/26/2014 08:14
Surr: 4-Bromofluorobenzene	*99.2*			*85-110*	*%REC*	1	4/26/2014 08:14
Surr: Dibromofluoromethane	*96.5*			*90-110*	*%REC*	1	4/26/2014 08:14
Surr: Toluene-d8	*96.4*			*85-115*	*%REC*	1	4/26/2014 08:14
BatchID: R139652							
Tetrachloroethene	**170**		**0.49**	**5.0**	**µg/L**	5	4/27/2014 12:46
Surr: 1,2-Dichloroethane-d4	*95.0*			*75-120*	*%REC*	5	4/27/2014 12:46
Surr: 4-Bromofluorobenzene	*88.8*			*80-110*	*%REC*	5	4/27/2014 12:46
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	5	4/27/2014 12:46
Surr: Toluene-d8	*97.0*			*85-110*	*%REC*	5	4/27/2014 12:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-030
Collection Date: 4/17/2014 02:36 PM

Work Order: 14041038
Lab ID: 14041038-30
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:40
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 08:40
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:40
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 08:40
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 08:40
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:40
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 08:40
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 08:40
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 08:40
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 08:40
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:40
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 08:40
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:40
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:40
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 08:40
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 08:40
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 08:40
Acetone	U		3.0	50	µg/L	1	4/26/2014 08:40
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 08:40
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:40
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 08:40
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 08:40
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 08:40
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 08:40
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:40
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 08:40
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 08:40
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 08:40
cis-1,2-Dichloroethene	**2.2**		**0.10**	**1.0**	**µg/L**	1	4/26/2014 08:40
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 08:40
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 08:40
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 08:40
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 08:40
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:40
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 08:40
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 08:40
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 08:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-030
Collection Date: 4/17/2014 02:36 PM

Work Order: 14041038
Lab ID: 14041038-30
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 08:40
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 08:40
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 08:40
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 08:40
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:40
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 08:40
Trichloroethene	**1.3**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 08:40
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:40
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 08:40
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 08:40
Surr: 1,2-Dichloroethane-d4	*98.9*			*70-120*	*%REC*	1	4/26/2014 08:40
Surr: 4-Bromofluorobenzene	*98.8*			*85-110*	*%REC*	1	4/26/2014 08:40
Surr: Dibromofluoromethane	*94.3*			*90-110*	*%REC*	1	4/26/2014 08:40
Surr: Toluene-d8	*96.1*			*85-115*	*%REC*	1	4/26/2014 08:40
BatchID: R139652							
Tetrachloroethene	**170**		**0.49**	**5.0**	**µg/L**	5	4/27/2014 13:11
Surr: 1,2-Dichloroethane-d4	*94.6*			*75-120*	*%REC*	5	4/27/2014 13:11
Surr: 4-Bromofluorobenzene	*88.2*			*80-110*	*%REC*	5	4/27/2014 13:11
Surr: Dibromofluoromethane	*98.8*			*85-115*	*%REC*	5	4/27/2014 13:11
Surr: Toluene-d8	*96.0*			*85-110*	*%REC*	5	4/27/2014 13:11

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-031
Collection Date: 4/17/2014 02:41 PM

Work Order: 14041038
Lab ID: 14041038-31
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:06
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 09:06
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:06
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 09:06
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 09:06
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:06
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 09:06
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 09:06
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 09:06
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 09:06
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:06
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 09:06
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:06
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:06
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 09:06
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 09:06
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 09:06
Acetone	U		3.0	50	µg/L	1	4/26/2014 09:06
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 09:06
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:06
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 09:06
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 09:06
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 09:06
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 09:06
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:06
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 09:06
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 09:06
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 09:06
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 09:06
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 09:06
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 09:06
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 09:06
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 09:06
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:06
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 09:06
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 09:06
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 09:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-031
Collection Date: 4/17/2014 02:41 PM

Work Order: 14041038
Lab ID: 14041038-31
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 09:06
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 09:06
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 09:06
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 09:06
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:06
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 09:06
Trichloroethene	**1.1**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 09:06
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:06
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 09:06
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 09:06
Surr: 1,2-Dichloroethane-d4	*99.0*			*70-120*	*%REC*	1	4/26/2014 09:06
Surr: 4-Bromofluorobenzene	*98.8*			*85-110*	*%REC*	1	4/26/2014 09:06
Surr: Dibromofluoromethane	*95.2*			*90-110*	*%REC*	1	4/26/2014 09:06
Surr: Toluene-d8	*95.3*			*85-115*	*%REC*	1	4/26/2014 09:06
BatchID: R139652							
Tetrachloroethene	**170**		**0.49**	**5.0**	**µg/L**	5	4/27/2014 13:37
Surr: 1,2-Dichloroethane-d4	*94.5*			*75-120*	*%REC*	5	4/27/2014 13:37
Surr: 4-Bromofluorobenzene	*88.6*			*80-110*	*%REC*	5	4/27/2014 13:37
Surr: Dibromofluoromethane	*99.6*			*85-115*	*%REC*	5	4/27/2014 13:37
Surr: Toluene-d8	*97.1*			*85-110*	*%REC*	5	4/27/2014 13:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-032
Collection Date: 4/17/2014 04:04 PM

Work Order: 14041038
Lab ID: 14041038-32
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 09:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 09:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 09:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 09:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 09:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 09:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 09:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 09:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:32
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 09:32
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 09:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 09:32
Acetone	U		3.0	50	µg/L	1	4/26/2014 09:32
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 09:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:32
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 09:32
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 09:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 09:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 09:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:32
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 09:32
Chloroform	**2.4**		**0.15**	**1.0**	**µg/L**	1	4/26/2014 09:32
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 09:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 09:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 09:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 09:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 09:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 09:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 09:32
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 09:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 09:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-032
Collection Date: 4/17/2014 04:04 PM

Work Order: 14041038
Lab ID: 14041038-32
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 09:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 09:32
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 09:32
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 09:32
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 09:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 09:32
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 09:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 09:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 09:32
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-120*	*%REC*	1	4/26/2014 09:32
Surr: 4-Bromofluorobenzene	*99.3*			*85-110*	*%REC*	1	4/26/2014 09:32
Surr: Dibromofluoromethane	*98.6*			*90-110*	*%REC*	1	4/26/2014 09:32
Surr: Toluene-d8	*96.0*			*85-115*	*%REC*	1	4/26/2014 09:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-033
Collection Date: 4/17/2014 04:37 PM

Work Order: 14041038
Lab ID: 14041038-33
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:58
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 09:58
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:58
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 09:58
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 09:58
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:58
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 09:58
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 09:58
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 09:58
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 09:58
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 09:58
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 09:58
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:58
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 09:58
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 09:58
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 09:58
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 09:58
Acetone	U		3.0	50	µg/L	1	4/26/2014 09:58
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 09:58
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:58
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 09:58
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 09:58
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 09:58
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 09:58
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:58
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 09:58
Chloroform	**0.59**	J	**0.15**	**1.0**	**µg/L**	1	4/26/2014 09:58
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 09:58
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 09:58
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 09:58
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 09:58
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 09:58
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 09:58
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 09:58
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 09:58
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 09:58
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 09:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-033
Collection Date: 4/17/2014 04:37 PM

Work Order: 14041038
Lab ID: 14041038-33
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 09:58
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 09:58
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 09:58
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 09:58
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 09:58
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 09:58
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 09:58
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 09:58
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 09:58
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 09:58
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 09:58
Surr: 1,2-Dichloroethane-d4	*99.2*			*70-120*	*%REC*	1	4/26/2014 09:58
Surr: 4-Bromofluorobenzene	*98.4*			*85-110*	*%REC*	1	4/26/2014 09:58
Surr: Dibromofluoromethane	*96.0*			*90-110*	*%REC*	1	4/26/2014 09:58
Surr: Toluene-d8	*95.8*			*85-115*	*%REC*	1	4/26/2014 09:58

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-034
Collection Date: 4/17/2014 05:23 PM

Work Order: 14041038
Lab ID: 14041038-34
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:23
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 10:23
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:23
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 10:23
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 10:23
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 10:23
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 10:23
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 10:23
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 10:23
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 10:23
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:23
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 10:23
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 10:23
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 10:23
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 10:23
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 10:23
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 10:23
Acetone	U		3.0	50	µg/L	1	4/26/2014 10:23
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 10:23
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 10:23
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 10:23
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 10:23
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 10:23
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 10:23
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 10:23
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 10:23
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 10:23
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 10:23
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 10:23
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 10:23
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 10:23
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 10:23
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 10:23
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 10:23
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 10:23
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 10:23
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 10:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041714-MR-034
Collection Date: 4/17/2014 05:23 PM

Work Order: 14041038
Lab ID: 14041038-34
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 10:23
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 10:23
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 10:23
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 10:23
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 10:23
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 10:23
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 10:23
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 10:23
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 10:23
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 10:23
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 10:23
Surr: 1,2-Dichloroethane-d4	*99.6*			*70-120*	*%REC*	1	4/26/2014 10:23
Surr: 4-Bromofluorobenzene	*99.2*			*85-110*	*%REC*	1	4/26/2014 10:23
Surr: Dibromofluoromethane	*96.1*			*90-110*	*%REC*	1	4/26/2014 10:23
Surr: Toluene-d8	*95.6*			*85-115*	*%REC*	1	4/26/2014 10:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-035
Collection Date: 4/18/2014 09:27 AM

Work Order: 14041038
Lab ID: 14041038-35
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:49
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 10:49
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:49
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 10:49
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 10:49
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 10:49
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 10:49
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 10:49
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 10:49
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 10:49
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 10:49
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 10:49
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 10:49
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 10:49
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 10:49
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 10:49
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 10:49
Acetone	U		3.0	50	µg/L	1	4/26/2014 10:49
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 10:49
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 10:49
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 10:49
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 10:49
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 10:49
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 10:49
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 10:49
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 10:49
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 10:49
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 10:49
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 10:49
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 10:49
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 10:49
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 10:49
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 10:49
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 10:49
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 10:49
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 10:49
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 10:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-035
Collection Date: 4/18/2014 09:27 AM

Work Order: 14041038
Lab ID: 14041038-35
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 10:49
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 10:49
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 10:49
Tetrachloroethene	**1.9**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 10:49
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 10:49
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 10:49
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 10:49
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 10:49
Trichlorofluoromethane	**0.78**	J	**0.22**	**1.0**	**µg/L**	1	4/26/2014 10:49
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 10:49
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 10:49
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-120*	*%REC*	1	4/26/2014 10:49
Surr: 4-Bromofluorobenzene	*98.4*			*85-110*	*%REC*	1	4/26/2014 10:49
Surr: Dibromofluoromethane	*97.8*			*90-110*	*%REC*	1	4/26/2014 10:49
Surr: Toluene-d8	*95.7*			*85-115*	*%REC*	1	4/26/2014 10:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-036
Collection Date: 4/18/2014 10:07 AM

Work Order: 14041038
Lab ID: 14041038-36
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:14
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 11:14
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:14
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 11:14
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 11:14
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 11:14
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 11:14
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 11:14
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 11:14
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 11:14
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:14
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 11:14
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 11:14
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 11:14
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 11:14
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 11:14
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 11:14
Acetone	U		3.0	50	µg/L	1	4/26/2014 11:14
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 11:14
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 11:14
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 11:14
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 11:14
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 11:14
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 11:14
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 11:14
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 11:14
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 11:14
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 11:14
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 11:14
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 11:14
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 11:14
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 11:14
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 11:14
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 11:14
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 11:14
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 11:14
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 11:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-036
Collection Date: 4/18/2014 10:07 AM

Work Order: 14041038
Lab ID: 14041038-36
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 11:14
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 11:14
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 11:14
Tetrachloroethene	**4.1**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 11:14
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 11:14
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 11:14
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 11:14
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 11:14
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 11:14
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 11:14
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 11:14
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-120*	*%REC*	1	4/26/2014 11:14
Surr: 4-Bromofluorobenzene	*100*			*85-110*	*%REC*	1	4/26/2014 11:14
Surr: Dibromofluoromethane	*95.8*			*90-110*	*%REC*	1	4/26/2014 11:14
Surr: Toluene-d8	*95.1*			*85-115*	*%REC*	1	4/26/2014 11:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-037
Collection Date: 4/18/2014 10:41 AM

Work Order: 14041038
Lab ID: 14041038-37
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/22/14		Analyst: **LR**
BatchID: 57848							
Mercury	U		0.00010	0.00020	mg/L	1	4/23/2014 13:54
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/21/14		Analyst: **RH**
BatchID: 57818							
Antimony	**0.00030**	J	**0.000036**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Arsenic	U		0.00058	0.0050	mg/L	1	4/27/2014 19:09
Barium	**0.023**		**0.000063**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Beryllium	U		0.000082	0.0020	mg/L	1	4/27/2014 19:09
Cadmium	U		0.000045	0.0020	mg/L	1	4/27/2014 19:09
Chromium	**0.0017**	J	**0.00027**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Cobalt	**0.0013**	J	**0.000041**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Copper	**0.0016**	J	**0.00053**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Lead	**0.00021**	J	**0.000051**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Manganese	**0.041**		**0.000054**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Molybdenum	**0.0042**	J	**0.000088**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Nickel	**0.0027**	J	**0.00025**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Selenium	**0.0011**	J	**0.00064**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Silver	U		0.000042	0.0050	mg/L	1	4/27/2014 19:09
Thallium	U		0.000062	0.0050	mg/L	1	4/27/2014 19:09
Vanadium	**0.00030**	J	**0.00016**	**0.0050**	**mg/L**	1	4/27/2014 19:09
Zinc	**0.0049**	J	**0.00048**	**0.010**	**mg/L**	1	4/27/2014 19:09
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139643							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:40
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 11:40
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:40
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 11:40
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 11:40
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 11:40
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 11:40
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 11:40
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 11:40
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 11:40
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 11:40
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 11:40
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 11:40
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 11:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-037
Collection Date: 4/18/2014 10:41 AM

Work Order: 14041038
Lab ID: 14041038-37
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 11:40
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 11:40
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 11:40
Acetone	U		3.0	50	µg/L	1	4/26/2014 11:40
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 11:40
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 11:40
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 11:40
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 11:40
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 11:40
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 11:40
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 11:40
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 11:40
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 11:40
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 11:40
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 11:40
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 11:40
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 11:40
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 11:40
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 11:40
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 11:40
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 11:40
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 11:40
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 11:40
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 11:40
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 11:40
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 11:40
Tetrachloroethene	**3.7**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 11:40
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 11:40
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 11:40
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 11:40
Trichloroethene	**1.2**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 11:40
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 11:40
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 11:40
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 11:40
Surr: 1,2-Dichloroethane-d4	*98.2*			*70-120*	*%REC*	1	4/26/2014 11:40
Surr: 4-Bromofluorobenzene	*98.8*			*85-110*	*%REC*	1	4/26/2014 11:40
Surr: Dibromofluoromethane	*94.3*			*90-110*	*%REC*	1	4/26/2014 11:40
Surr: Toluene-d8	*95.6*			*85-115*	*%REC*	1	4/26/2014 11:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-038
Collection Date: 4/18/2014 11:05 AM

Work Order: 14041038
Lab ID: 14041038-38
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/22/14		Analyst: **LR**
BatchID: 57848							
Mercury	U		0.00010	0.00020	mg/L	1	4/23/2014 13:56
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/21/14		Analyst: **RH**
BatchID: 57818							
Antimony	**0.00030**	J	**0.000036**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Arsenic	U		0.00058	0.0050	mg/L	1	4/27/2014 19:15
Barium	**0.023**		**0.000063**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Beryllium	U		0.000082	0.0020	mg/L	1	4/27/2014 19:15
Cadmium	U		0.000045	0.0020	mg/L	1	4/27/2014 19:15
Chromium	**0.0016**	J	**0.00027**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Cobalt	**0.0012**	J	**0.000041**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Copper	**0.0014**	J	**0.00053**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Lead	**0.00014**	J	**0.000051**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Manganese	**0.027**		**0.000054**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Molybdenum	**0.0043**	J	**0.000088**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Nickel	**0.0026**	J	**0.00025**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Selenium	**0.0011**	J	**0.00064**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Silver	U		0.000042	0.0050	mg/L	1	4/27/2014 19:15
Thallium	U		0.000062	0.0050	mg/L	1	4/27/2014 19:15
Vanadium	**0.00019**	J	**0.00016**	**0.0050**	**mg/L**	1	4/27/2014 19:15
Zinc	**0.0027**	J	**0.00048**	**0.010**	**mg/L**	1	4/27/2014 19:15
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:25
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:25
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:25
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:25
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:25
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:25
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:25
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:25
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:25
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:25
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:25
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:25
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:25
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-038
Collection Date: 4/18/2014 11:05 AM

Work Order: 14041038
Lab ID: 14041038-38
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:25
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:25
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:25
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:25
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:25
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:25
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:25
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:25
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:25
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:25
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:25
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:25
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:25
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:25
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 06:25
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:25
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:25
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:25
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:25
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:25
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:25
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:25
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:25
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:25
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:25
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:25
Tetrachloroethene	**4.3**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 06:25
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:25
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:25
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:25
Trichloroethene	**1.4**		**0.16**	**1.0**	**µg/L**	1	4/26/2014 06:25
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:25
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:25
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:25
Surr: 1,2-Dichloroethane-d4	*93.8*			*70-120*	*%REC*	1	4/26/2014 06:25
Surr: 4-Bromofluorobenzene	*89.6*			*85-110*	*%REC*	1	4/26/2014 06:25
Surr: Dibromofluoromethane	*99.7*			*90-110*	*%REC*	1	4/26/2014 06:25
Surr: Toluene-d8	*97.2*			*85-115*	*%REC*	1	4/26/2014 06:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-039
Collection Date: 4/18/2014 11:35 AM

Work Order: 14041038
Lab ID: 14041038-39
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:50
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:50
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:50
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:50
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:50
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:50
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:50
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:50
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:50
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:50
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:50
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:50
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:50
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:50
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:50
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:50
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:50
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:50
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:50
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:50
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:50
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:50
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:50
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:50
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:50
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:50
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:50
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:50
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 06:50
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:50
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:50
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:50
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:50
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:50
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:50
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:50
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-039
Collection Date: 4/18/2014 11:35 AM

Work Order: 14041038
Lab ID: 14041038-39
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:50
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:50
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:50
Tetrachloroethene	**1.6**		**0.098**	**1.0**	**µg/L**	1	4/26/2014 06:50
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:50
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:50
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:50
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 06:50
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:50
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:50
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:50
Surr: 1,2-Dichloroethane-d4	*94.5*			*70-120*	*%REC*	1	4/26/2014 06:50
Surr: 4-Bromofluorobenzene	*90.1*			*85-110*	*%REC*	1	4/26/2014 06:50
Surr: Dibromofluoromethane	*101*			*90-110*	*%REC*	1	4/26/2014 06:50
Surr: Toluene-d8	*97.7*			*85-115*	*%REC*	1	4/26/2014 06:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-040
Collection Date: 4/18/2014 12:18 PM

Work Order: 14041038
Lab ID: 14041038-40
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:15
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 07:15
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:15
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 07:15
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 07:15
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:15
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 07:15
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 07:15
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 07:15
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 07:15
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:15
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 07:15
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:15
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:15
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 07:15
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 07:15
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 07:15
Acetone	U		3.0	50	µg/L	1	4/26/2014 07:15
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 07:15
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:15
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 07:15
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 07:15
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 07:15
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 07:15
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:15
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 07:15
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 07:15
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 07:15
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 07:15
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 07:15
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 07:15
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 07:15
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 07:15
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:15
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 07:15
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 07:15
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 07:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-040
Collection Date: 4/18/2014 12:18 PM

Work Order: 14041038
Lab ID: 14041038-40
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 07:15
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 07:15
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 07:15
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 07:15
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 07:15
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:15
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 07:15
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 07:15
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:15
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 07:15
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 07:15
Surr: 1,2-Dichloroethane-d4	*93.8*			*70-120*	*%REC*	1	4/26/2014 07:15
Surr: 4-Bromofluorobenzene	*88.7*			*85-110*	*%REC*	1	4/26/2014 07:15
Surr: Dibromofluoromethane	*98.0*			*90-110*	*%REC*	1	4/26/2014 07:15
Surr: Toluene-d8	*96.1*			*85-115*	*%REC*	1	4/26/2014 07:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-041
Collection Date: 4/18/2014 01:35 PM

Work Order: 14041038
Lab ID: 14041038-41
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/22/14		Analyst: **LR**
BatchID: 57848							
Mercury	U		0.00010	0.00020	mg/L	1	4/23/2014 13:59
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/21/14		Analyst: **RH**
BatchID: 57818							
Antimony	**0.000052**	J	**0.000036**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Arsenic	**0.0041**	J	**0.00058**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Barium	**0.072**		**0.000063**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Beryllium	U		0.000082	0.0020	mg/L	1	4/27/2014 19:21
Cadmium	**0.00047**	J	**0.000045**	**0.0020**	**mg/L**	1	4/27/2014 19:21
Chromium	U		0.00027	0.0050	mg/L	1	4/27/2014 19:21
Cobalt	**0.0014**	J	**0.000041**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Copper	**0.0022**	J	**0.00053**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Lead	**0.0020**	J	**0.000051**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Manganese	**0.64**		**0.000054**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Molybdenum	**0.00021**	J	**0.000088**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Nickel	**0.0052**		**0.00025**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Selenium	U		0.00064	0.0050	mg/L	1	4/27/2014 19:21
Silver	U		0.000042	0.0050	mg/L	1	4/27/2014 19:21
Thallium	U		0.000062	0.0050	mg/L	1	4/27/2014 19:21
Vanadium	**0.00019**	J	**0.00016**	**0.0050**	**mg/L**	1	4/27/2014 19:21
Zinc	**0.53**		**0.00048**	**0.010**	**mg/L**	1	4/27/2014 19:21
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:41
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 07:41
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:41
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 07:41
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 07:41
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:41
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 07:41
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 07:41
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 07:41
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 07:41
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 07:41
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 07:41
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:41
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 07:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-041
Collection Date: 4/18/2014 01:35 PM

Work Order: 14041038
Lab ID: 14041038-41
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 07:41
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 07:41
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 07:41
Acetone	U		3.0	50	µg/L	1	4/26/2014 07:41
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 07:41
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:41
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 07:41
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 07:41
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 07:41
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 07:41
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:41
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 07:41
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 07:41
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 07:41
cis-1,2-Dichloroethene	**0.77**	J	**0.10**	**1.0**	**µg/L**	1	4/26/2014 07:41
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 07:41
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 07:41
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 07:41
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 07:41
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 07:41
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 07:41
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 07:41
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 07:41
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 07:41
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 07:41
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 07:41
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 07:41
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 07:41
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 07:41
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 07:41
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 07:41
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 07:41
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 07:41
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 07:41
Surr: 1,2-Dichloroethane-d4	*95.4*			*70-120*	*%REC*	1	4/26/2014 07:41
Surr: 4-Bromofluorobenzene	*88.6*			*85-110*	*%REC*	1	4/26/2014 07:41
Surr: Dibromofluoromethane	*101*			*90-110*	*%REC*	1	4/26/2014 07:41
Surr: Toluene-d8	*96.6*			*85-115*	*%REC*	1	4/26/2014 07:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-042
Collection Date: 4/18/2014 02:30 PM

Work Order: 14041038
Lab ID: 14041038-42
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/22/14		Analyst: **LR**
BatchID: 57848							
Mercury	U		0.00010	0.00020	mg/L	1	4/23/2014 14:01
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/21/14		Analyst: **RH**
BatchID: 57818							
Antimony	**0.00034**	J	**0.000036**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Arsenic	U		0.00058	0.0050	mg/L	1	4/27/2014 19:26
Barium	**0.092**		**0.000063**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Beryllium	U		0.000082	0.0020	mg/L	1	4/27/2014 19:26
Cadmium	U		0.000045	0.0020	mg/L	1	4/27/2014 19:26
Chromium	U		0.00027	0.0050	mg/L	1	4/27/2014 19:26
Cobalt	**0.0014**	J	**0.000041**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Copper	**0.0044**	J	**0.00053**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Lead	**0.0010**	J	**0.000051**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Manganese	**0.048**		**0.000054**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Molybdenum	**0.0068**		**0.000088**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Nickel	**0.0092**		**0.00025**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Selenium	**0.0011**	J	**0.00064**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Silver	U		0.000042	0.0050	mg/L	1	4/27/2014 19:26
Thallium	U		0.000062	0.0050	mg/L	1	4/27/2014 19:26
Vanadium	**0.0019**	J	**0.00016**	**0.0050**	**mg/L**	1	4/27/2014 19:26
Zinc	**0.23**		**0.00048**	**0.010**	**mg/L**	1	4/27/2014 19:26
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	**1.9**		**0.11**	**1.0**	**µg/L**	1	4/26/2014 08:06
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 08:06
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:06
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 08:06
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 08:06
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:06
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 08:06
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 08:06
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 08:06
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 08:06
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:06
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 08:06
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:06
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-042
Collection Date: 4/18/2014 02:30 PM

Work Order: 14041038
Lab ID: 14041038-42
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 08:06
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 08:06
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 08:06
Acetone	U		3.0	50	µg/L	1	4/26/2014 08:06
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 08:06
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:06
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 08:06
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 08:06
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 08:06
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 08:06
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:06
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 08:06
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 08:06
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 08:06
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 08:06
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 08:06
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 08:06
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 08:06
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 08:06
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:06
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 08:06
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 08:06
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 08:06
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 08:06
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 08:06
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 08:06
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 08:06
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 08:06
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:06
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 08:06
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 08:06
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:06
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 08:06
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 08:06
Surr: 1,2-Dichloroethane-d4	*94.2*			*70-120*	*%REC*	1	4/26/2014 08:06
Surr: 4-Bromofluorobenzene	*88.7*			*85-110*	*%REC*	1	4/26/2014 08:06
Surr: Dibromofluoromethane	*98.6*			*90-110*	*%REC*	1	4/26/2014 08:06
Surr: Toluene-d8	*96.0*			*85-115*	*%REC*	1	4/26/2014 08:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-043
Collection Date: 4/18/2014 03:05 PM

Work Order: 14041038
Lab ID: 14041038-43
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	**3.5**		**0.11**	**1.0**	**µg/L**	1	4/26/2014 08:31
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 08:31
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:31
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 08:31
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 08:31
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:31
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 08:31
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 08:31
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 08:31
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 08:31
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 08:31
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 08:31
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:31
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 08:31
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 08:31
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 08:31
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 08:31
Acetone	U		3.0	50	µg/L	1	4/26/2014 08:31
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 08:31
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:31
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 08:31
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 08:31
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 08:31
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 08:31
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:31
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 08:31
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 08:31
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 08:31
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 08:31
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 08:31
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 08:31
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 08:31
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 08:31
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 08:31
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 08:31
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 08:31
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 08:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: WG-017360-041814-MR-043
Collection Date: 4/18/2014 03:05 PM

Work Order: 14041038
Lab ID: 14041038-43
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 08:31
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 08:31
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 08:31
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 08:31
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 08:31
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 08:31
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 08:31
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 08:31
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 08:31
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 08:31
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 08:31
Surr: 1,2-Dichloroethane-d4	*94.4*			*70-120*	*%REC*	1	4/26/2014 08:31
Surr: 4-Bromofluorobenzene	*88.8*			*85-110*	*%REC*	1	4/26/2014 08:31
Surr: Dibromofluoromethane	*99.8*			*90-110*	*%REC*	1	4/26/2014 08:31
Surr: Toluene-d8	*98.1*			*85-115*	*%REC*	1	4/26/2014 08:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: TB-017360-041814-MR-044
Collection Date: 4/18/2014

Work Order: 14041038
Lab ID: 14041038-44
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139642							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:00
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/26/2014 06:00
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:00
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/26/2014 06:00
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/26/2014 06:00
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:00
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/26/2014 06:00
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/26/2014 06:00
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/26/2014 06:00
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/26/2014 06:00
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/26/2014 06:00
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/26/2014 06:00
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:00
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/26/2014 06:00
2-Butanone	U		0.64	25	µg/L	1	4/26/2014 06:00
2-Hexanone	U		0.19	50	µg/L	1	4/26/2014 06:00
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/26/2014 06:00
Acetone	U		3.0	50	µg/L	1	4/26/2014 06:00
Benzene	U		0.14	1.0	µg/L	1	4/26/2014 06:00
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:00
Bromoform	U		0.18	1.0	µg/L	1	4/26/2014 06:00
Bromomethane	U		0.38	5.0	µg/L	1	4/26/2014 06:00
Carbon disulfide	U		0.26	5.0	µg/L	1	4/26/2014 06:00
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/26/2014 06:00
Chlorobenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:00
Chloroethane	U		0.25	5.0	µg/L	1	4/26/2014 06:00
Chloroform	U		0.15	1.0	µg/L	1	4/26/2014 06:00
Chloromethane	U		0.29	5.0	µg/L	1	4/26/2014 06:00
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/26/2014 06:00
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/26/2014 06:00
Cyclohexane	U		0.20	1.0	µg/L	1	4/26/2014 06:00
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/26/2014 06:00
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/26/2014 06:00
Ethylbenzene	U		0.12	1.0	µg/L	1	4/26/2014 06:00
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/26/2014 06:00
Methyl acetate	U		0.76	10	µg/L	1	4/26/2014 06:00
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/26/2014 06:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *29-Apr-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (017360-T02Y14-01Y14)
Sample ID: TB-017360-041814-MR-044
Collection Date: 4/18/2014

Work Order: 14041038
Lab ID: 14041038-44
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/26/2014 06:00
Methylene chloride	U		0.75	5.0	µg/L	1	4/26/2014 06:00
Styrene	U		0.12	1.0	µg/L	1	4/26/2014 06:00
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/26/2014 06:00
Toluene	U		0.13	1.0	µg/L	1	4/26/2014 06:00
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/26/2014 06:00
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/26/2014 06:00
Trichloroethene	U		0.16	1.0	µg/L	1	4/26/2014 06:00
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/26/2014 06:00
Vinyl chloride	U		0.15	1.0	µg/L	1	4/26/2014 06:00
Xylenes, Total	U		0.30	3.0	µg/L	1	4/26/2014 06:00
Surr: 1,2-Dichloroethane-d4	*94.4*			*70-120*	*%REC*	1	4/26/2014 06:00
Surr: 4-Bromofluorobenzene	*90.2*			*85-110*	*%REC*	1	4/26/2014 06:00
Surr: Dibromofluoromethane	*100*			*90-110*	*%REC*	1	4/26/2014 06:00
Surr: Toluene-d8	*98.0*			*85-115*	*%REC*	1	4/26/2014 06:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

QC BATCH REPORT

Batch ID: **57848** Instrument ID **HG1** Method: **SW7470**

MBLK Sample ID: **MBLK-57848-57848** Units: **mg/L** Analysis Date: **4/23/2014 01:46 PM**

Client ID: Run ID: **HG1_140423A** SeqNo: **2727590** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **LCS-57848-57848** Units: **mg/L** Analysis Date: **4/23/2014 01:48 PM**

Client ID: Run ID: **HG1_140423A** SeqNo: **2727593** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001895	0.00020	0.002	0	94.8	80-120	0			

MS Sample ID: **14041038-42BMS** Units: **mg/L** Analysis Date: **4/23/2014 02:03 PM**

Client ID: **WG-017360-041814-MR-042** Run ID: **HG1_140423A** SeqNo: **2727605** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001934	0.00020	0.002	-0.000018	97.6	75-125	0			

MSD Sample ID: **14041038-42BMSD** Units: **mg/L** Analysis Date: **4/23/2014 02:06 PM**

Client ID: **WG-017360-041814-MR-042** Run ID: **HG1_140423A** SeqNo: **2727607** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001898	0.00020	0.002	-0.000018	95.8	75-125	0.001934	1.88	20	

The following samples were analyzed in this batch:

14041038-10B	14041038-37B	14041038-38B
14041038-41B	14041038-42B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57818** Instrument ID **ICPMS2** Method: **SW6020A**

MBLK Sample ID: **MBLK-57818-57818** Units: **mg/L** Analysis Date: **4/27/2014 06:13 PM**
Client ID: Run ID: **ICPMS2_140427A** SeqNo: **2734217** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Arsenic	U	0.0050								
Barium	U	0.0050								
Beryllium	U	0.0020								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Cobalt	U	0.0050								
Copper	U	0.0050								
Lead	U	0.0050								
Manganese	0.00008259	0.0050								J
Molybdenum	U	0.0050								
Nickel	U	0.0050								
Selenium	U	0.0050								
Silver	U	0.0050								
Thallium	U	0.0050								
Vanadium	U	0.0050								
Zinc	0.0005242	0.010								J

LCS Sample ID: **LCS-57818-57818** Units: **mg/L** Analysis Date: **4/27/2014 06:19 PM**
Client ID: Run ID: **ICPMS2_140427A** SeqNo: **2734218** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.09768	0.0050	0.1	0	97.7	80-120	0			
Arsenic	0.0911	0.0050	0.1	0	91.1	80-120	0			
Barium	0.09263	0.0050	0.1	0	92.6	80-120	0			
Beryllium	0.1047	0.0020	0.1	0	105	80-120	0			
Cadmium	0.09431	0.0020	0.1	0	94.3	80-120	0			
Chromium	0.0971	0.0050	0.1	0	97.1	80-120	0			
Cobalt	0.09788	0.0050	0.1	0	97.9	80-120	0			
Copper	0.09653	0.0050	0.1	0	96.5	80-120	0			
Lead	0.09354	0.0050	0.1	0	93.5	80-120	0			
Manganese	0.09786	0.0050	0.1	0	97.9	80-120	0			
Molybdenum	0.09581	0.0050	0.1	0	95.8	80-120	0			
Nickel	0.09507	0.0050	0.1	0	95.1	80-120	0			
Selenium	0.09154	0.0050	0.1	0	91.5	80-120	0			
Silver	0.09303	0.0050	0.1	0	93	80-120	0			
Thallium	0.09003	0.0050	0.1	0	90	80-120	0			
Vanadium	0.09781	0.0050	0.1	0	97.8	80-120	0			
Zinc	0.09934	0.010	0.1	0	99.3	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57818** Instrument ID **ICPMS2** Method: **SW6020A**

MS Sample ID: **1404968-07CMS** Units: **mg/L** Analysis Date: **4/27/2014 09:24 PM**
Client ID: Run ID: **ICPMS2_140427A** SeqNo: **2734250** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.09884	0.0050	0.1	0.0001332	98.7	75-125	0			
Arsenic	0.1027	0.0050	0.1	0.001023	102	75-125	0			
Barium	0.1344	0.0050	0.1	0.03517	99.2	75-125	0			
Cadmium	0.09855	0.0020	0.1	0.00009516	98.5	75-125	0			
Chromium	0.09909	0.0050	0.1	0.001031	98.1	75-125	0			
Cobalt	0.09892	0.0050	0.1	0.000799	98.1	75-125	0			
Copper	0.09803	0.0050	0.1	0.001906	96.1	75-125	0			
Lead	0.1007	0.0050	0.1	0.00002415	101	75-125	0			
Manganese	0.3036	0.0050	0.1	0.2024	101	75-125	0			
Molybdenum	0.09915	0.0050	0.1	0.0003699	98.8	75-125	0			
Nickel	0.099	0.0050	0.1	0.00424	94.8	75-125	0			
Selenium	0.09784	0.0050	0.1	0.0005026	97.3	75-125	0			
Silver	0.09209	0.0050	0.1	2.565E-06	92.1	75-125	0			
Thallium	0.09693	0.0050	0.1	-2.112E-05	97	75-125	0			
Vanadium	0.1032	0.0050	0.1	0.0003098	103	75-125	0			
Zinc	0.1033	0.010	0.1	0.005595	97.7	75-125	0			

MSD Sample ID: **1404968-07CMSD** Units: **mg/L** Analysis Date: **4/27/2014 09:30 PM**
Client ID: Run ID: **ICPMS2_140427A** SeqNo: **2734251** Prep Date: **4/21/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.09878	0.0050	0.1	0.0001332	98.6	75-125	0.09884	0.0607	20	
Arsenic	0.1019	0.0050	0.1	0.001023	101	75-125	0.1027	0.782	20	
Barium	0.1369	0.0050	0.1	0.03517	102	75-125	0.1344	1.84	20	
Cadmium	0.09973	0.0020	0.1	0.00009516	99.6	75-125	0.09855	1.19	20	
Chromium	0.1039	0.0050	0.1	0.001031	103	75-125	0.09909	4.74	20	
Cobalt	0.1033	0.0050	0.1	0.000799	103	75-125	0.09892	4.33	20	
Copper	0.102	0.0050	0.1	0.001906	100	75-125	0.09803	3.97	20	
Lead	0.1038	0.0050	0.1	0.00002415	104	75-125	0.1007	3.03	20	
Manganese	0.3145	0.0050	0.1	0.2024	112	75-125	0.3036	3.53	20	
Molybdenum	0.1035	0.0050	0.1	0.0003699	103	75-125	0.09915	4.29	20	
Nickel	0.1037	0.0050	0.1	0.00424	99.5	75-125	0.099	4.64	20	
Selenium	0.0989	0.0050	0.1	0.0005026	98.4	75-125	0.09784	1.08	20	
Silver	0.09186	0.0050	0.1	2.565E-06	91.9	75-125	0.09209	0.25	20	
Thallium	0.101	0.0050	0.1	-2.112E-05	101	75-125	0.09693	4.11	20	
Vanadium	0.1076	0.0050	0.1	0.0003098	107	75-125	0.1032	4.17	20	
Zinc	0.1083	0.010	0.1	0.005595	103	75-125	0.1033	4.73	20	

The following samples were analyzed in this batch:

14041038-10B	14041038-37B	14041038-38B
14041038-41B	14041038-42B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

MBLK Sample ID: **SBLKW1-57842-57842a** Units: **µg/L** Analysis Date: **4/23/2014 03:27 PM**
Client ID: Run ID: **SVMS4_140423A** SeqNo: **2729179** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1`-Biphenyl	U	5.0								
2,4,5-Trichlorophenol	U	5.0								
2,4,6-Trichlorophenol	U	5.0								
2,4-Dichlorophenol	U	10								
2,4-Dimethylphenol	U	5.0								
2,4-Dinitrophenol	U	5.0								
2,4-Dinitrotoluene	U	5.0								
2,6-Dinitrotoluene	U	5.0								
2-Chloronaphthalene	U	5.0								
2-Chlorophenol	U	5.0								
2-Methylnaphthalene	U	5.0								
2-Methylphenol	U	5.0								
2-Nitroaniline	U	20								
2-Nitrophenol	U	5.0								
3,3´-Dichlorobenzidine	U	5.0								
3-Nitroaniline	U	20								
4,6-Dinitro-2-methylphenol	U	20								
4-Bromophenyl phenyl ether	U	5.0								
4-Chloro-3-methylphenol	U	5.0								
4-Chloroaniline	U	20								
4-Chlorophenyl phenyl ether	U	5.0								
4-Methylphenol	U	5.0								
4-Nitroaniline	U	20								
4-Nitrophenol	U	20								
Acenaphthene	U	5.0								
Acenaphthylene	U	5.0								
Acetophenone	U	1.0								
Anthracene	U	5.0								
Atrazine	U	1.0								
Benzaldehyde	U	1.0								
Benzo(a)anthracene	U	5.0								
Benzo(a)pyrene	U	5.0								
Benzo(b)fluoranthene	U	5.0								
Benzo(g,h,i)perylene	U	5.0								
Benzo(k)fluoranthene	U	5.0								
Bis(2-chloroethoxy)methane	U	5.0								
Bis(2-chloroethyl)ether	U	5.0								
Bis(2-chloroisopropyl)ether	U	5.0								
Bis(2-ethylhexyl)phthalate	0.4	5.0								J
Butyl benzyl phthalate	U	5.0								
Caprolactam	U	10								
Carbazole	U	10								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

Chrysene	U	5.0					
Dibenzo(a,h)anthracene	U	5.0					
Dibenzofuran	U	5.0					
Diethyl phthalate	U	20					
Dimethyl phthalate	U	20					
Di-n-butyl phthalate	U	5.0					
Di-n-octyl phthalate	U	5.0					
Fluoranthene	U	5.0					
Fluorene	U	5.0					
Hexachlorobenzene	U	5.0					
Hexachlorobutadiene	U	5.0					
Hexachlorocyclopentadiene	U	20					
Hexachloroethane	U	5.0					
Indeno(1,2,3-cd)pyrene	U	5.0					
Isophorone	U	5.0					
Naphthalene	U	5.0					
Nitrobenzene	U	5.0					
N-Nitrosodi-n-propylamine	U	5.0					
N-Nitrosodiphenylamine	U	5.0					
Pentachlorophenol	U	20					
Phenanthrene	U	5.0					
Phenol	U	5.0					
Pyrene	U	5.0					
Surr: 2,4,6-Tribromophenol	*31.01*	0	*50*	0	*62*	*38-115*	0
Surr: 2-Fluorobiphenyl	*35.62*	0	*50*	0	*71.2*	*32-100*	0
Surr: 2-Fluorophenol	*20.85*	0	*50*	0	*41.7*	*22-59*	0
Surr: 4-Terphenyl-d14	*46.89*	0	*50*	0	*93.8*	*23-112*	0
Surr: Nitrobenzene-d5	*38.6*	0	*50*	0	*77.2*	*31-93*	0
Surr: Phenol-d6	*12.86*	0	*50*	0	*25.7*	*13-36*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

LCS Sample ID: **SLCSW1-57842-57842a** Units: **µg/L** Analysis Date: **4/23/2014 01:52 PM**
Client ID: Run ID: **SVMS4_140423A** SeqNo: **2729178** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	13.79	5.0	20	0	69	50-110	0			
2,4,6-Trichlorophenol	14.31	5.0	20	0	71.6	50-115	0			
2,4-Dichlorophenol	13.79	10	20	0	69	50-105	0			
2,4-Dimethylphenol	12.7	5.0	20	0	63.5	30-110	0			
2,4-Dinitrophenol	11.69	5.0	20	0	58.4	15-140	0			
2,4-Dinitrotoluene	15.1	5.0	20	0	75.5	50-120	0			
2,6-Dinitrotoluene	15.13	5.0	20	0	75.6	50-115	0			
2-Chloronaphthalene	13.9	5.0	20	0	69.5	50-105	0			
2-Chlorophenol	13.83	5.0	20	0	69.2	35-105	0			
2-Methylnaphthalene	13.61	5.0	20	0	68	45-105	0			
2-Methylphenol	12.07	5.0	20	0	60.4	40-110	0			
2-Nitroaniline	16.33	20	20	0	81.6	50-115	0			J
2-Nitrophenol	13.25	5.0	20	0	66.2	40-115	0			
3-Nitroaniline	16.08	20	20	0	80.4	20-125	0			J
4,6-Dinitro-2-methylphenol	14.26	20	20	0	71.3	40-130	0			J
4-Bromophenyl phenyl ether	14.39	5.0	20	0	72	50-115	0			
4-Chloro-3-methylphenol	13.68	5.0	20	0	68.4	45-110	0			
4-Chloroaniline	33.76	20	20	0	169	15-110	0			S
4-Chlorophenyl phenyl ether	13.72	5.0	20	0	68.6	50-110	0			
4-Methylphenol	10.75	5.0	20	0	53.8	30-110	0			
4-Nitroaniline	18.78	20	20	0	93.9	35-150	0			J
4-Nitrophenol	4.58	20	20	0	22.9	1-58	0			J
Acenaphthene	14.27	5.0	20	0	71.4	45-110	0			
Acenaphthylene	14.17	5.0	20	0	70.8	50-105	0			
Anthracene	15.97	5.0	20	0	79.8	55-110	0			
Benzo(a)anthracene	17	5.0	20	0	85	55-110	0			
Benzo(a)pyrene	16.25	5.0	20	0	81.2	55-110	0			
Benzo(b)fluoranthene	14.66	5.0	20	0	73.3	45-120	0			
Benzo(g,h,i)perylene	16.54	5.0	20	0	82.7	40-125	0			
Benzo(k)fluoranthene	17.66	5.0	20	0	88.3	45-125	0			
Bis(2-chloroethoxy)methane	14.28	5.0	20	0	71.4	45-105	0			
Bis(2-chloroethyl)ether	14.6	5.0	20	0	73	35-110	0			
Bis(2-chloroisopropyl)ether	13.9	5.0	20	0	69.5	25-130	0			
Bis(2-ethylhexyl)phthalate	17.04	5.0	20	0	85.2	40-125	0			
Butyl benzyl phthalate	16.88	5.0	20	0	84.4	45-115	0			
Carbazole	22.52	10	20	0	113	50-150	0			
Chrysene	16.15	5.0	20	0	80.8	55-110	0			
Dibenzo(a,h)anthracene	16.31	5.0	20	0	81.6	40-125	0			
Dibenzofuran	14.21	5.0	20	0	71	55-105	0			
Diethyl phthalate	15.24	20	20	0	76.2	40-120	0			J
Dimethyl phthalate	14.72	20	20	0	73.6	25-125	0			J
Di-n-butyl phthalate	16.44	5.0	20	0	82.2	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

Di-n-octyl phthalate	15.76	5.0	20	0	78.8	35-135	0	
Fluoranthene	16.26	5.0	20	0	81.3	55-115	0	
Fluorene	14.66	5.0	20	0	73.3	50-110	0	
Hexachlorobenzene	15.2	5.0	20	0	76	50-110	0	
Hexachlorobutadiene	12.77	5.0	20	0	63.8	25-105	0	
Hexachlorocyclopentadiene	9.64	20	20	0	48.2	25-105	0	J
Hexachloroethane	13.39	5.0	20	0	67	30-95	0	
Indeno(1,2,3-cd)pyrene	16.37	5.0	20	0	81.8	45-125	0	
Isophorone	14.13	5.0	20	0	70.6	50-110	0	
Naphthalene	13.51	5.0	20	0	67.6	40-100	0	
Nitrobenzene	14.39	5.0	20	0	72	45-110	0	
N-Nitrosodi-n-propylamine	15.16	5.0	20	0	75.8	35-130	0	
N-Nitrosodiphenylamine	17.93	5.0	20	0	89.6	50-110	0	
Pentachlorophenol	14.04	20	20	0	70.2	40-115	0	J
Phenanthrene	15.14	5.0	20	0	75.7	50-115	0	
Phenol	5.78	5.0	20	0	28.9	12-43	0	
Pyrene	16.13	5.0	20	0	80.6	50-130	0	
Surr: 2,4,6-Tribromophenol	*35.37*	0	*50*	0	*70.7*	*38-115*	0	
Surr: 2-Fluorobiphenyl	*34.36*	0	*50*	0	*68.7*	*32-100*	0	
Surr: 2-Fluorophenol	*20.9*	0	*50*	0	*41.8*	*22-59*	0	
Surr: 4-Terphenyl-d14	*44.28*	0	*50*	0	*88.6*	*23-112*	0	
Surr: Nitrobenzene-d5	*35.97*	0	*50*	0	*71.9*	*31-93*	0	
Surr: Phenol-d6	*12.76*	0	*50*	0	*25.5*	*13-36*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

MS Sample ID: **14041038-27B MS** Units: **µg/L** Analysis Date: **4/23/2014 04:42 PM**
Client ID: **WG-017360-041714-MR-027** Run ID: **SVMS4_140423A** SeqNo: **2729180** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	145.5	50	200	0	72.8	50-110	0			
2,4,6-Trichlorophenol	145.9	50	200	0	73	50-115	0			
2,4-Dichlorophenol	142.1	100	200	0	71	50-105	0			
2,4-Dimethylphenol	131	50	200	0	65.5	30-110	0			
2,4-Dinitrophenol	139.5	50	200	0	69.8	15-140	0			
2,4-Dinitrotoluene	159.4	50	200	0	79.7	50-120	0			
2,6-Dinitrotoluene	160.7	50	200	0	80.4	50-115	0			
2-Chloronaphthalene	143	50	200	0	71.5	50-105	0			
2-Chlorophenol	139.5	50	200	0	69.8	35-105	0			
2-Methylnaphthalene	140.1	50	200	0	70	45-105	0			
2-Methylphenol	124.9	50	200	0	62.4	40-110	0			
2-Nitroaniline	172.7	200	200	0	86.4	50-115	0			J
2-Nitrophenol	135.8	50	200	0	67.9	40-115	0			
3-Nitroaniline	185.8	200	200	0	92.9	20-125	0			J
4,6-Dinitro-2-methylphenol	155.1	200	200	0	77.6	40-130	0			J
4-Bromophenyl phenyl ether	153.6	50	200	0	76.8	50-115	0			
4-Chloro-3-methylphenol	144.3	50	200	0	72.2	45-110	0			
4-Chloroaniline	363.4	200	200	0	182	15-110	0			S
4-Chlorophenyl phenyl ether	146.2	50	200	0	73.1	50-110	0			
4-Methylphenol	115.3	50	200	0	57.6	30-110	0			
4-Nitroaniline	208.5	200	200	0	104	35-150	0			
4-Nitrophenol	55.7	200	200	0	27.8	1-58	0			J
Acenaphthene	148.5	50	200	0	74.2	45-110	0			
Acenaphthylene	147.2	50	200	0	73.6	50-105	0			
Anthracene	167.7	50	200	0	83.8	55-110	0			
Benzo(a)anthracene	179.3	50	200	0	89.6	55-110	0			
Benzo(a)pyrene	169.8	50	200	0	84.9	55-110	0			
Benzo(b)fluoranthene	152.4	50	200	0	76.2	45-120	0			
Benzo(g,h,i)perylene	173.5	50	200	0	86.8	40-125	0			
Benzo(k)fluoranthene	187.5	50	200	0	93.8	45-125	0			
Bis(2-chloroethoxy)methane	147.4	50	200	0	73.7	45-105	0			
Bis(2-chloroethyl)ether	147.2	50	200	0	73.6	35-110	0			
Bis(2-chloroisopropyl)ether	144.5	50	200	0	72.2	25-130	0			
Bis(2-ethylhexyl)phthalate	176.1	50	200	0	88	40-125	0			
Butyl benzyl phthalate	173.3	50	200	0	86.6	45-115	0			
Carbazole	235.1	100	200	0	118	50-150	0			
Chrysene	162.8	50	200	0	81.4	55-110	0			
Dibenzo(a,h)anthracene	170	50	200	0	85	40-125	0			
Dibenzofuran	149.6	50	200	0	74.8	55-105	0			
Diethyl phthalate	161.2	200	200	0	80.6	40-120	0			J
Dimethyl phthalate	156	200	200	0	78	25-125	0			J
Di-n-butyl phthalate	170.8	50	200	0	85.4	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

Di-n-octyl phthalate	164.6	50	200	0	82.3	35-135	0	
Fluoranthene	167.4	50	200	0	83.7	55-115	0	
Fluorene	155	50	200	0	77.5	50-110	0	
Hexachlorobenzene	160.3	50	200	0	80.2	50-110	0	
Hexachlorobutadiene	130.7	50	200	0	65.4	25-105	0	
Hexachlorocyclopentadiene	100.5	200	200	0	50.2	25-105	0	J
Hexachloroethane	134.6	50	200	0	67.3	30-95	0	
Indeno(1,2,3-cd)pyrene	170.7	50	200	0	85.4	45-125	0	
Isophorone	145.9	50	200	0	73	50-110	0	
Naphthalene	135.7	50	200	0	67.8	40-100	0	
Nitrobenzene	145.8	50	200	0	72.9	45-110	0	
N-Nitrosodi-n-propylamine	160.8	50	200	0	80.4	35-130	0	
N-Nitrosodiphenylamine	188.8	50	200	0	94.4	50-110	0	
Pentachlorophenol	152.8	200	200	0	76.4	40-115	0	J
Phenanthrene	159.1	50	200	0	79.6	50-115	0	
Phenol	61.6	50	200	0	30.8	12-43	0	
Pyrene	167.8	50	200	0	83.9	50-130	0	
Surr: 2,4,6-Tribromophenol	*375*	0	*500*	0	*75*	*38-115*	0	
Surr: 2-Fluorobiphenyl	*345.3*	0	*500*	0	*69.1*	*32-100*	0	
Surr: 2-Fluorophenol	*216.3*	0	*500*	0	*43.3*	*22-59*	0	
Surr: 4-Terphenyl-d14	*452.7*	0	*500*	0	*90.5*	*23-112*	0	
Surr: Nitrobenzene-d5	*364.2*	0	*500*	0	*72.8*	*31-93*	0	
Surr: Phenol-d6	*136.6*	0	*500*	0	*27.3*	*13-36*	0	

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

MSD Sample ID: **14041038-27B MSD** Units: **µg/L** Analysis Date: **4/23/2014 05:14 PM**

Client ID: **WG-017360-041714-MR-027** Run ID: **SVMS4_140423A** SeqNo: **2729181** Prep Date: **4/22/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	132.8	50	200	0	66.4	50-110	145.5	9.13	30	
2,4,6-Trichlorophenol	135.5	50	200	0	67.8	50-115	145.9	7.39	30	
2,4-Dichlorophenol	129.6	100	200	0	64.8	50-105	142.1	9.2	30	
2,4-Dimethylphenol	120.7	50	200	0	60.4	30-110	131	8.18	30	
2,4-Dinitrophenol	127.3	50	200	0	63.6	15-140	139.5	9.15	30	
2,4-Dinitrotoluene	149	50	200	0	74.5	50-120	159.4	6.74	30	
2,6-Dinitrotoluene	146.5	50	200	0	73.2	50-115	160.7	9.24	30	
2-Chloronaphthalene	131.1	50	200	0	65.6	50-105	143	8.68	30	
2-Chlorophenol	123.6	50	200	0	61.8	35-105	139.5	12.1	30	
2-Methylnaphthalene	128.4	50	200	0	64.2	45-105	140.1	8.72	30	
2-Methylphenol	111.3	50	200	0	55.6	40-110	124.9	11.5	30	
2-Nitroaniline	157.7	200	200	0	78.8	50-115	172.7	0	30	J
2-Nitrophenol	123.7	50	200	0	61.8	40-115	135.8	9.33	30	
3-Nitroaniline	176.1	200	200	0	88	20-125	185.8	0	30	J
4,6-Dinitro-2-methylphenol	146	200	200	0	73	40-130	155.1	0	30	J
4-Bromophenyl phenyl ether	140	50	200	0	70	50-115	153.6	9.26	30	
4-Chloro-3-methylphenol	130.6	50	200	0	65.3	45-110	144.3	9.97	30	
4-Chloroaniline	344.6	200	200	0	172	15-110	363.4	5.31	30	S
4-Chlorophenyl phenyl ether	132.8	50	200	0	66.4	50-110	146.2	9.61	30	
4-Methylphenol	101.9	50	200	0	51	30-110	115.3	12.3	30	
4-Nitroaniline	197.4	200	200	0	98.7	35-150	208.5	0	30	J
4-Nitrophenol	50.8	200	200	0	25.4	1-58	55.7	0	0	J
Acenaphthene	136.4	50	200	0	68.2	45-110	148.5	8.49	30	
Acenaphthylene	134.7	50	200	0	67.4	50-105	147.2	8.87	30	
Anthracene	154.7	50	200	0	77.4	55-110	167.7	8.06	30	
Benzo(a)anthracene	169.7	50	200	0	84.8	55-110	179.3	5.5	30	
Benzo(a)pyrene	160	50	200	0	80	55-110	169.8	5.94	30	
Benzo(b)fluoranthene	143.4	50	200	0	71.7	45-120	152.4	6.09	30	
Benzo(g,h,i)perylene	161.6	50	200	0	80.8	40-125	173.5	7.1	30	
Benzo(k)fluoranthene	176.5	50	200	0	88.2	45-125	187.5	6.04	30	
Bis(2-chloroethoxy)methane	133	50	200	0	66.5	45-105	147.4	10.3	30	
Bis(2-chloroethyl)ether	133.3	50	200	0	66.6	35-110	147.2	9.91	30	
Bis(2-chloroisopropyl)ether	131.7	50	200	0	65.8	25-130	144.5	9.27	30	
Bis(2-ethylhexyl)phthalate	165	50	200	0	82.5	40-125	176.1	6.51	30	
Butyl benzyl phthalate	163.4	50	200	0	81.7	45-115	173.3	5.88	30	
Carbazole	222.9	100	200	0	111	50-150	235.1	5.33	30	
Chrysene	155.5	50	200	0	77.8	55-110	162.8	4.59	30	
Dibenzo(a,h)anthracene	159.2	50	200	0	79.6	40-125	170	6.56	30	
Dibenzofuran	137.4	50	200	0	68.7	55-105	149.6	8.5	30	
Diethyl phthalate	149.3	200	200	0	74.6	40-120	161.2	0	30	J
Dimethyl phthalate	144.7	200	200	0	72.4	25-125	156	0	30	J
Di-n-butyl phthalate	158.8	50	200	0	79.4	55-115	170.8	7.28	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **57842a** Instrument ID **SVMS4** Method: **SW8270**

Di-n-octyl phthalate	154.5	50	200	0	77.2	35-135	164.6	6.33	30	
Fluoranthene	158.6	50	200	0	79.3	55-115	167.4	5.4	30	
Fluorene	140.8	50	200	0	70.4	50-110	155	9.6	30	
Hexachlorobenzene	148.4	50	200	0	74.2	50-110	160.3	7.71	30	
Hexachlorobutadiene	118.3	50	200	0	59.2	25-105	130.7	9.96	30	
Hexachlorocyclopentadiene	96.7	200	200	0	48.4	25-105	100.5	0	30	J
Hexachloroethane	119.5	50	200	0	59.8	30-95	134.6	11.9	30	
Indeno(1,2,3-cd)pyrene	160.8	50	200	0	80.4	45-125	170.7	5.97	30	
Isophorone	133.8	50	200	0	66.9	50-110	145.9	8.65	30	
Naphthalene	126.1	50	200	0	63	40-100	135.7	7.33	30	
Nitrobenzene	131.5	50	200	0	65.8	45-110	145.8	10.3	30	
N-Nitrosodi-n-propylamine	145.9	50	200	0	73	35-130	160.8	9.72	30	
N-Nitrosodiphenylamine	170.7	50	200	0	85.4	50-110	188.8	10.1	30	
Pentachlorophenol	141.6	200	200	0	70.8	40-115	152.8	0	30	J
Phenanthrene	146.7	50	200	0	73.4	50-115	159.1	8.11	30	
Phenol	54.2	50	200	0	27.1	12-43	61.6	12.8	30	
Pyrene	157.2	50	200	0	78.6	50-130	167.8	6.52	30	
Surr: 2,4,6-Tribromophenol	*348.9*	0	*500*	0	*69.8*	*38-115*	375	*7.21*	*40*	
Surr: 2-Fluorobiphenyl	*327.8*	0	*500*	0	*65.6*	*32-100*	345.3	*5.2*	*40*	
Surr: 2-Fluorophenol	*186.6*	0	*500*	0	*37.3*	*22-59*	216.3	*14.7*	*40*	
Surr: 4-Terphenyl-d14	*433.5*	0	*500*	0	*86.7*	*23-112*	452.7	*4.33*	*40*	
Surr: Nitrobenzene-d5	*332.6*	0	*500*	0	*66.5*	*31-93*	364.2	*9.07*	*40*	
Surr: Phenol-d6	*116*	0	*500*	0	*23.2*	*13-36*	136.6	*16.3*	*40*	

The following samples were analyzed in this batch: 14041038-27B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

MBLK	Sample ID: **VBLKW1-140425-R139593**				Units: **µg/L**			Analysis Date: **4/25/2014 02:38 PM**		
Client ID:		Run ID: **VMS6_140425A**			SeqNo: **2732052**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*20.37*	0	*20*	0	*102*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.69*	0	*20*	0	*98.4*	*85-110*	0
Surr: Dibromofluoromethane	*19.11*	0	*20*	0	*95.6*	*90-110*	0
Surr: Toluene-d8	*19.45*	0	*20*	0	*97.2*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

LCS	Sample ID: **VLCSW2-140425-R139593**			Units: **µg/L**		Analysis Date: **4/25/2014 01:47 PM**			
Client ID:		Run ID: **VMS6_140425A**		SeqNo: **2732047**		Prep Date:		DF: **1**	

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18	1.0	20	0	90	75-130	0			
1,1,2,2-Tetrachloroethane	18.55	1.0	20	0	92.8	75-130	0			
1,1,2-Trichloroethane	18.26	1.0	20	0	91.3	75-125	0			
1,1-Dichloroethane	17.79	1.0	20	0	89	75-133	0			
1,1-Dichloroethene	17.16	1.0	20	0	85.8	70-145	0			
1,2,4-Trichlorobenzene	18.01	1.0	20	0	90	70-135	0			
1,2-Dibromo-3-chloropropane	14.87	1.0	20	0	74.4	60-130	0			
1,2-Dibromoethane	18.73	1.0	20	0	93.6	80-150	0			
1,2-Dichlorobenzene	17.69	1.0	20	0	88.4	70-130	0			
1,2-Dichloroethane	18.53	1.0	20	0	92.6	78-125	0			
1,2-Dichloropropane	18.64	2.0	20	0	93.2	75-125	0			
1,3-Dichlorobenzene	18.28	2.0	20	0	91.4	75-130	0			
1,4-Dichlorobenzene	18.3	2.0	20	0	91.5	75-130	0			
2-Butanone	20.75	5.0	20	0	104	55-150	0			
2-Hexanone	17.61	5.0	20	0	88	60-135	0			
4-Methyl-2-pentanone	22.62	5.0	20	0	113	77-178	0			
Acetone	16.56	20	20	0	82.8	60-160	0			J
Benzene	17.82	1.0	20	0	89.1	85-125	0			
Bromodichloromethane	17.7	1.0	20	0	88.5	75-125	0			
Bromoform	14.72	1.0	20	0	73.6	60-125	0			
Bromomethane	19.98	1.0	20	0	99.9	30-185	0			
Carbon disulfide	18.09	2.5	20	0	90.4	60-165	0			
Carbon tetrachloride	17.06	1.0	20	0	85.3	65-140	0			
Chlorobenzene	18.07	1.0	20	0	90.4	80-120	0			
Chloroethane	13.86	1.0	20	0	69.3	50-140	0			
Chloroform	17.79	1.0	20	0	89	80-130	0			
Chloromethane	12.27	1.0	20	0	61.4	50-130	0			
cis-1,2-Dichloroethene	18.27	1.0	20	0	91.4	75-134	0			
cis-1,3-Dichloropropene	19.24	1.0	20	0	96.2	70-130	0			
Dibromochloromethane	13.79	1.0	20	0	69	60-115	0			
Dichlorodifluoromethane	8.08	1.0	20	0	40.4	20-120	0			
Ethylbenzene	17.67	1.0	20	0	88.4	85-125	0			
Isopropylbenzene	17	1.0	20	0	85	80-127	0			
Methyl tert-butyl ether	19.57	5.0	20	0	97.8	80-130	0			
Methylene chloride	19.87	5.0	20	0	99.4	75-140	0			
Styrene	18	1.0	20	0	90	85-125	0			
Tetrachloroethene	17.36	2.0	20	0	86.8	77-138	0			
Toluene	17.43	1.0	20	0	87.2	85-125	0			
trans-1,2-Dichloroethene	19.09	1.0	20	0	95.4	80-140	0			
trans-1,3-Dichloropropene	16.31	1.0	20	0	81.6	81-123	0			
Trichloroethene	17.23	1.0	20	0	86.2	84-130	0			
Trichlorofluoromethane	13.55	1.0	20	0	67.8	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	12.29	1.0	20	0	61.4	50-136	0
Xylenes, Total	52.92	3.0	60	0	88.2	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.78*	0	*20*	0	*98.9*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.01*	0	*20*	0	*100*	*85-110*	0
Surr: Dibromofluoromethane	*20*	0	*20*	0	*100*	*90-110*	0
Surr: Toluene-d8	*19.33*	0	*20*	0	*96.6*	*85-115*	0

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

MS Sample ID: **14041038-04A MS** Units: **µg/L** Analysis Date: **4/25/2014 11:41 PM**

Client ID: **WG-017360-041414-MR-004** Run ID: **VMS6_140425A** SeqNo: **2732079** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.41	1.0	20	0	102	75-130	0			
1,1,2,2-Tetrachloroethane	18.82	1.0	20	0	94.1	75-130	0			
1,1,2-Trichloroethane	19.23	1.0	20	0	96.2	75-125	0			
1,1-Dichloroethane	19.15	1.0	20	0	95.8	75-133	0			
1,1-Dichloroethene	20.34	1.0	20	0	102	70-145	0			
1,2,4-Trichlorobenzene	17.86	1.0	20	0	89.3	70-135	0			
1,2-Dibromo-3-chloropropane	14.02	1.0	20	0	70.1	60-130	0			
1,2-Dibromoethane	19.04	1.0	20	0	95.2	80-150	0			
1,2-Dichlorobenzene	18.79	1.0	20	0	94	70-130	0			
1,2-Dichloroethane	19.95	1.0	20	0	99.8	78-125	0			
1,2-Dichloropropane	19.83	2.0	20	0	99.2	75-125	0			
1,3-Dichlorobenzene	19.52	2.0	20	0	97.6	75-130	0			
1,4-Dichlorobenzene	19.46	2.0	20	0	97.3	75-130	0			
2-Butanone	19.52	5.0	20	0	97.6	55-150	0			
2-Hexanone	17.48	5.0	20	0	87.4	60-135	0			
4-Methyl-2-pentanone	21.92	5.0	20	0	110	77-178	0			
Acetone	16.66	20	20	0	83.3	60-160	0			J
Benzene	19.79	1.0	20	0	99	85-125	0			
Bromodichloromethane	19.28	1.0	20	0	96.4	75-125	0			
Bromoform	13.57	1.0	20	0	67.8	60-125	0			
Bromomethane	21.97	1.0	20	0	110	30-185	0			
Carbon disulfide	20.05	2.5	20	0	100	60-165	0			
Carbon tetrachloride	20.66	1.0	20	0	103	65-140	0			
Chlorobenzene	19.98	1.0	20	0	99.9	80-120	0			
Chloroethane	17.23	1.0	20	0	86.2	50-140	0			
Chloroform	19.62	1.0	20	0	98.1	80-130	0			
Chloromethane	15.29	1.0	20	0	76.4	50-130	0			
cis-1,2-Dichloroethene	19.52	1.0	20	0	97.6	75-134	0			
cis-1,3-Dichloropropene	19.46	1.0	20	0	97.3	70-130	0			
Dibromochloromethane	13.74	1.0	20	0	68.7	60-115	0			
Dichlorodifluoromethane	11.78	1.0	20	0	58.9	20-120	0			
Ethylbenzene	19.97	1.0	20	0	99.8	85-125	0			
Isopropylbenzene	19.84	1.0	20	0	99.2	80-127	0			
Methyl tert-butyl ether	19.68	5.0	20	0	98.4	80-130	0			
Methylene chloride	20.35	5.0	20	0	102	75-140	0			
Styrene	19.69	1.0	20	0	98.4	85-125	0			
Tetrachloroethene	19.88	2.0	20	0	99.4	77-138	0			
Toluene	18.91	1.0	20	0	94.6	85-125	0			
trans-1,2-Dichloroethene	21.06	1.0	20	0	105	80-140	0			
trans-1,3-Dichloropropene	15.63	1.0	20	0	78.2	81-123	0			S
Trichloroethene	20.07	1.0	20	0	100	84-130	0			
Trichlorofluoromethane	17.91	1.0	20	0	89.6	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	15.92	1.0	20	0	79.6	50-136	0
Xylenes, Total	59	3.0	60	0	98.3	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.63*	0	*20*	0	*98.2*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.98*	0	*20*	0	*99.9*	*85-110*	0
Surr: Dibromofluoromethane	*20.39*	0	*20*	0	*102*	*90-110*	0
Surr: Toluene-d8	*19.35*	0	*20*	0	*96.8*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

MSD Sample ID: **14041038-04A MSD** Units: **µg/L** Analysis Date: **4/26/2014 12:06 PM**
Client ID: **WG-017360-041414-MR-004** Run ID: **VMS6_140425A** SeqNo: **2732080** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.12	1.0	20	0	95.6	75-130	20.41	6.53	30	
1,1,2,2-Tetrachloroethane	18.53	1.0	20	0	92.6	75-130	18.82	1.55	30	
1,1,2-Trichloroethane	18.59	1.0	20	0	93	75-125	19.23	3.38	30	
1,1-Dichloroethane	18.26	1.0	20	0	91.3	75-133	19.15	4.76	30	
1,1-Dichloroethene	19.01	1.0	20	0	95	70-145	20.34	6.76	30	
1,2,4-Trichlorobenzene	19.05	1.0	20	0	95.2	70-135	17.86	6.45	30	
1,2-Dibromo-3-chloropropane	14.55	1.0	20	0	72.8	60-130	14.02	3.71	30	
1,2-Dibromoethane	19.05	1.0	20	0	95.2	80-150	19.04	0.0525	30	
1,2-Dichlorobenzene	18.89	1.0	20	0	94.4	70-130	18.79	0.531	30	
1,2-Dichloroethane	19.25	1.0	20	0	96.2	78-125	19.95	3.57	30	
1,2-Dichloropropane	19.35	2.0	20	0	96.8	75-125	19.83	2.45	30	
1,3-Dichlorobenzene	19.78	2.0	20	0	98.9	75-130	19.52	1.32	30	
1,4-Dichlorobenzene	19.56	2.0	20	0	97.8	75-130	19.46	0.513	30	
2-Butanone	20	5.0	20	0	100	55-150	19.52	2.43	30	
2-Hexanone	17.7	5.0	20	0	88.5	60-135	17.48	1.25	30	
4-Methyl-2-pentanone	22.32	5.0	20	0	112	77-178	21.92	1.81	30	
Acetone	16.46	20	20	0	82.3	60-160	16.66	0	30	J
Benzene	18.65	1.0	20	0	93.2	85-125	19.79	5.93	30	
Bromodichloromethane	18.5	1.0	20	0	92.5	75-125	19.28	4.13	30	
Bromoform	13.25	1.0	20	0	66.2	60-125	13.57	2.39	30	
Bromomethane	18.07	1.0	20	0	90.4	30-185	21.97	19.5	30	
Carbon disulfide	18.5	2.5	20	0	92.5	60-165	20.05	8.04	30	
Carbon tetrachloride	18.81	1.0	20	0	94	65-140	20.66	9.37	30	
Chlorobenzene	18.51	1.0	20	0	92.6	80-120	19.98	7.64	30	
Chloroethane	15.63	1.0	20	0	78.2	50-140	17.23	9.74	30	
Chloroform	18.29	1.0	20	0	91.4	80-130	19.62	7.02	30	
Chloromethane	13.42	1.0	20	0	67.1	50-130	15.29	13	30	
cis-1,2-Dichloroethene	18.77	1.0	20	0	93.8	75-134	19.52	3.92	30	
cis-1,3-Dichloropropene	18.71	1.0	20	0	93.6	70-130	19.46	3.93	30	
Dibromochloromethane	13.79	1.0	20	0	69	60-115	13.74	0.363	30	
Dichlorodifluoromethane	10.73	1.0	20	0	53.6	20-120	11.78	9.33	30	
Ethylbenzene	18.68	1.0	20	0	93.4	85-125	19.97	6.68	30	
Isopropylbenzene	19.07	1.0	20	0	95.4	80-127	19.84	3.96	30	
Methyl tert-butyl ether	20.12	5.0	20	0	101	80-130	19.68	2.21	30	
Methylene chloride	20.06	5.0	20	0	100	75-140	20.35	1.44	30	
Styrene	18.76	1.0	20	0	93.8	85-125	19.69	4.84	30	
Tetrachloroethene	18.39	2.0	20	0	92	77-138	19.88	7.79	30	
Toluene	17.59	1.0	20	0	88	85-125	18.91	7.23	30	
trans-1,2-Dichloroethene	19.11	1.0	20	0	95.6	80-140	21.06	9.71	30	
trans-1,3-Dichloropropene	15.47	1.0	20	0	77.4	81-123	15.63	1.03	30	S
Trichloroethene	18.39	1.0	20	0	92	84-130	20.07	8.74	30	
Trichlorofluoromethane	15.5	1.0	20	0	77.5	60-140	17.91	14.4	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139593** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	14.71	1.0	20	0	73.6	50-136	15.92	7.9	30
Xylenes, Total	56.16	3.0	60	0	93.6	80-126	59	4.93	30
Surr: 1,2-Dichloroethane-d4	*19.57*	0	*20*	0	*97.8*	*70-120*	19.63	*0.306*	*30*
Surr: 4-Bromofluorobenzene	*20.24*	0	*20*	0	*101*	*85-110*	19.98	*1.29*	*30*
Surr: Dibromofluoromethane	*20.31*	0	*20*	0	*102*	*90-110*	20.39	*0.393*	*30*
Surr: Toluene-d8	*19.28*	0	*20*	0	*96.4*	*85-115*	19.35	*0.362*	*30*

The following samples were analyzed in this batch:

14041038-01A	14041038-02A	14041038-03A
14041038-04A	14041038-05A	14041038-06A
14041038-07A	14041038-08A	14041038-09A

QC BATCH REPORT

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

MBLK	Sample ID: **VBLKW2-140425-R139642**				Units: **µg/L**			Analysis Date: **4/26/2014 05:35 AM**		
Client ID:		Run ID: **VMS5_140425B**			SeqNo: **2732204**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*18.81*	0	*20*	0	*94*	*70-120*	0
Surr: 4-Bromofluorobenzene	*17.87*	0	*20*	0	*89.4*	*85-110*	0
Surr: Dibromofluoromethane	*19.98*	0	*20*	0	*99.9*	*90-110*	0
Surr: Toluene-d8	*19.56*	0	*20*	0	*97.8*	*85-115*	0

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

LCS	Sample ID: **VLCSW2-140425-R139642**			Units: **µg/L**			Analysis Date: **4/26/2014 04:44 AM**			
Client ID:		Run ID: **VMS5_140425B**		SeqNo: **2732203**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.52	1.0	20	0	108	75-130	0			
1,1,2,2-Tetrachloroethane	21.39	1.0	20	0	107	75-130	0			
1,1,2-Trichloroethane	20.43	1.0	20	0	102	75-125	0			
1,1-Dichloroethane	20.72	1.0	20	0	104	75-133	0			
1,1-Dichloroethene	21.87	1.0	20	0	109	70-145	0			
1,2,4-Trichlorobenzene	20.3	1.0	20	0	102	70-135	0			
1,2-Dibromo-3-chloropropane	18	1.0	20	0	90	60-130	0			
1,2-Dibromoethane	23.54	1.0	20	0	118	80-150	0			
1,2-Dichlorobenzene	20.69	1.0	20	0	103	70-130	0			
1,2-Dichloroethane	19.79	1.0	20	0	99	78-125	0			
1,2-Dichloropropane	20.12	2.0	20	0	101	75-125	0			
1,3-Dichlorobenzene	21.37	2.0	20	0	107	75-130	0			
1,4-Dichlorobenzene	20.43	2.0	20	0	102	75-130	0			
2-Butanone	21.92	5.0	20	0	110	55-150	0			
2-Hexanone	20.28	5.0	20	0	101	60-135	0			
4-Methyl-2-pentanone	27.22	5.0	20	0	136	77-178	0			
Acetone	21.68	20	20	0	108	60-160	0			
Benzene	21.1	1.0	20	0	106	85-125	0			
Bromodichloromethane	21.07	1.0	20	0	105	75-125	0			
Bromoform	17.65	1.0	20	0	88.2	60-125	0			
Bromomethane	28.39	1.0	20	0	142	30-185	0			
Carbon disulfide	21.55	2.5	20	0	108	60-165	0			
Carbon tetrachloride	22.37	1.0	20	0	112	65-140	0			
Chlorobenzene	21.16	1.0	20	0	106	80-120	0			
Chloroethane	21.06	1.0	20	0	105	50-140	0			
Chloroform	20.08	1.0	20	0	100	80-130	0			
Chloromethane	17.22	1.0	20	0	86.1	50-130	0			
cis-1,2-Dichloroethene	20.04	1.0	20	0	100	75-134	0			
cis-1,3-Dichloropropene	20.53	1.0	20	0	103	70-130	0			
Dibromochloromethane	17.34	1.0	20	0	86.7	60-115	0			
Dichlorodifluoromethane	15.7	1.0	20	0	78.5	20-120	0			
Ethylbenzene	21.93	1.0	20	0	110	85-125	0			
Isopropylbenzene	21.85	1.0	20	0	109	80-127	0			
Methyl tert-butyl ether	19.47	5.0	20	0	97.4	80-130	0			
Methylene chloride	22.03	5.0	20	0	110	75-140	0			
Styrene	22.15	1.0	20	0	111	85-125	0			
Tetrachloroethene	21.47	2.0	20	0	107	77-138	0			
Toluene	21.26	1.0	20	0	106	85-125	0			
trans-1,2-Dichloroethene	21.78	1.0	20	0	109	80-140	0			
trans-1,3-Dichloropropene	20.41	1.0	20	0	102	81-123	0			
Trichloroethene	21.56	1.0	20	0	108	84-130	0			
Trichlorofluoromethane	20.93	1.0	20	0	105	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	19.74	1.0	20	0	98.7	50-136	0
Xylenes, Total	64.86	3.0	60	0	108	80-126	0
Surr: 1,2-Dichloroethane-d4	*18.96*	0	*20*	0	*94.8*	*70-120*	0
Surr: 4-Bromofluorobenzene	*18.59*	0	*20*	0	*93*	*85-110*	0
Surr: Dibromofluoromethane	*20.11*	0	*20*	0	*101*	*90-110*	0
Surr: Toluene-d8	*19.26*	0	*20*	0	*96.3*	*85-115*	0

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

MS Sample ID: **14041038-43A MS** Units: **µg/L** Analysis Date: **4/26/2014 02:24 PM**

Client ID: **WG-017360-041814-MR-043** Run ID: **VMS5_140425B** SeqNo: **2732225** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	25.26	1.0	20	3.5	109	75-130	0			
1,1,2,2-Tetrachloroethane	19.66	1.0	20	0	98.3	75-130	0			
1,1,2-Trichloroethane	19.6	1.0	20	0	98	75-125	0			
1,1-Dichloroethane	20.41	1.0	20	0	102	75-133	0			
1,1-Dichloroethene	22.35	1.0	20	0	112	70-145	0			
1,2,4-Trichlorobenzene	18.74	1.0	20	0	93.7	70-135	0			
1,2-Dibromo-3-chloropropane	16.57	1.0	20	0	82.8	60-130	0			
1,2-Dibromoethane	21.99	1.0	20	0	110	80-150	0			
1,2-Dichlorobenzene	19.6	1.0	20	0	98	70-130	0			
1,2-Dichloroethane	18.92	1.0	20	0	94.6	78-125	0			
1,2-Dichloropropane	18.97	2.0	20	0	94.8	75-125	0			
1,3-Dichlorobenzene	20.34	2.0	20	0	102	75-130	0			
1,4-Dichlorobenzene	19.58	2.0	20	0	97.9	75-130	0			
2-Butanone	19.66	5.0	20	0	98.3	55-150	0			
2-Hexanone	19.06	5.0	20	0	95.3	60-135	0			
4-Methyl-2-pentanone	24.93	5.0	20	0	125	77-178	0			
Acetone	21.46	20	20	0	107	60-160	0			
Benzene	20.89	1.0	20	0	104	85-125	0			
Bromodichloromethane	20.13	1.0	20	0	101	75-125	0			
Bromoform	15.87	1.0	20	0	79.4	60-125	0			
Bromomethane	18.76	1.0	20	0	93.8	30-185	0			
Carbon disulfide	22.73	2.5	20	0	114	60-165	0			
Carbon tetrachloride	23.24	1.0	20	0	116	65-140	0			
Chlorobenzene	20.4	1.0	20	0	102	80-120	0			
Chloroethane	21.38	1.0	20	0	107	50-140	0			
Chloroform	19.29	1.0	20	0	96.4	80-130	0			
Chloromethane	17.27	1.0	20	0	86.4	50-130	0			
cis-1,2-Dichloroethene	19.33	1.0	20	0	96.6	75-134	0			
cis-1,3-Dichloropropene	18.86	1.0	20	0	94.3	70-130	0			
Dibromochloromethane	16.12	1.0	20	0	80.6	60-115	0			
Dichlorodifluoromethane	16.48	1.0	20	0	82.4	20-120	0			
Ethylbenzene	21.36	1.0	20	0	107	85-125	0			
Isopropylbenzene	21.56	1.0	20	0	108	80-127	0			
Methyl tert-butyl ether	17.5	5.0	20	0	87.5	80-130	0			
Methylene chloride	21.01	5.0	20	0	105	75-140	0			
Styrene	21.43	1.0	20	0	107	85-125	0			
Tetrachloroethene	21.93	2.0	20	0	110	77-138	0			
Toluene	20.88	1.0	20	0	104	85-125	0			
trans-1,2-Dichloroethene	21.92	1.0	20	0	110	80-140	0			
trans-1,3-Dichloropropene	18.54	1.0	20	0	92.7	81-123	0			
Trichloroethene	22.73	1.0	20	0	114	84-130	0			
Trichlorofluoromethane	22.33	1.0	20	0	112	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	20.72	1.0	20	0	104	50-136	0
Xylenes, Total	62.98	3.0	60	0	105	80-126	0
Surr: 1,2-Dichloroethane-d4	*18.86*	0	*20*	0	*94.3*	*70-120*	0
Surr: 4-Bromofluorobenzene	*18.11*	0	*20*	0	*90.6*	*85-110*	0
Surr: Dibromofluoromethane	*20.13*	0	*20*	0	*101*	*90-110*	0
Surr: Toluene-d8	*19.47*	0	*20*	0	*97.4*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

MSD Sample ID: **14041038-43A MSD** Units: **µg/L** Analysis Date: **4/26/2014 02:49 PM**

Client ID: **WG-017360-041814-MR-043** Run ID: **VMS5_140425B** SeqNo: **2732226** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	23.98	1.0	20	3.5	102	75-130	25.26	5.2	30	
1,1,2,2-Tetrachloroethane	19.61	1.0	20	0	98	75-130	19.66	0.255	30	
1,1,2-Trichloroethane	18.96	1.0	20	0	94.8	75-125	19.6	3.32	30	
1,1-Dichloroethane	19.31	1.0	20	0	96.6	75-133	20.41	5.54	30	
1,1-Dichloroethene	21.28	1.0	20	0	106	70-145	22.35	4.9	30	
1,2,4-Trichlorobenzene	19.64	1.0	20	0	98.2	70-135	18.74	4.69	30	
1,2-Dibromo-3-chloropropane	16.63	1.0	20	0	83.2	60-130	16.57	0.361	30	
1,2-Dibromoethane	21.43	1.0	20	0	107	80-150	21.99	2.58	30	
1,2-Dichlorobenzene	19.92	1.0	20	0	99.6	70-130	19.6	1.62	30	
1,2-Dichloroethane	17.93	1.0	20	0	89.6	78-125	18.92	5.37	30	
1,2-Dichloropropane	18.37	2.0	20	0	91.8	75-125	18.97	3.21	30	
1,3-Dichlorobenzene	20.54	2.0	20	0	103	75-130	20.34	0.978	30	
1,4-Dichlorobenzene	19.89	2.0	20	0	99.4	75-130	19.58	1.57	30	
2-Butanone	19.59	5.0	20	0	98	55-150	19.66	0.357	30	
2-Hexanone	19.04	5.0	20	0	95.2	60-135	19.06	0.105	30	
4-Methyl-2-pentanone	24.89	5.0	20	0	124	77-178	24.93	0.161	30	
Acetone	20.56	20	20	0	103	60-160	21.46	4.28	30	
Benzene	19.83	1.0	20	0	99.2	85-125	20.89	5.21	30	
Bromodichloromethane	19.44	1.0	20	0	97.2	75-125	20.13	3.49	30	
Bromoform	15.47	1.0	20	0	77.4	60-125	15.87	2.55	30	
Bromomethane	19.77	1.0	20	0	98.8	30-185	18.76	5.24	30	
Carbon disulfide	20.73	2.5	20	0	104	60-165	22.73	9.2	30	
Carbon tetrachloride	22.25	1.0	20	0	111	65-140	23.24	4.35	30	
Chlorobenzene	20.17	1.0	20	0	101	80-120	20.4	1.13	30	
Chloroethane	21.37	1.0	20	0	107	50-140	21.38	0.0468	30	
Chloroform	18.41	1.0	20	0	92	80-130	19.29	4.67	30	
Chloromethane	16.78	1.0	20	0	83.9	50-130	17.27	2.88	30	
cis-1,2-Dichloroethene	18.35	1.0	20	0	91.8	75-134	19.33	5.2	30	
cis-1,3-Dichloropropene	18.18	1.0	20	0	90.9	70-130	18.86	3.67	30	
Dibromochloromethane	15.5	1.0	20	0	77.5	60-115	16.12	3.92	30	
Dichlorodifluoromethane	15.82	1.0	20	0	79.1	20-120	16.48	4.09	30	
Ethylbenzene	21.46	1.0	20	0	107	85-125	21.36	0.467	30	
Isopropylbenzene	22.16	1.0	20	0	111	80-127	21.56	2.74	30	
Methyl tert-butyl ether	17.01	5.0	20	0	85	80-130	17.5	2.84	30	
Methylene chloride	19.82	5.0	20	0	99.1	75-140	21.01	5.83	30	
Styrene	21	1.0	20	0	105	85-125	21.43	2.03	30	
Tetrachloroethene	22	2.0	20	0	110	77-138	21.93	0.319	30	
Toluene	20.51	1.0	20	0	103	85-125	20.88	1.79	30	
trans-1,2-Dichloroethene	20.73	1.0	20	0	104	80-140	21.92	5.58	30	
trans-1,3-Dichloropropene	18.1	1.0	20	0	90.5	81-123	18.54	2.4	30	
Trichloroethene	21.39	1.0	20	0	107	84-130	22.73	6.07	30	
Trichlorofluoromethane	21.1	1.0	20	0	106	60-140	22.33	5.66	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139642** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	19.77	1.0	20	0	98.8	50-136	20.72	4.69	30
Xylenes, Total	63.05	3.0	60	0	105	80-126	62.98	0.111	30
Surr: 1,2-Dichloroethane-d4	*18.55*	0	*20*	0	*92.8*	*70-120*	18.86	*1.66*	*30*
Surr: 4-Bromofluorobenzene	*18.49*	0	*20*	0	*92.4*	*85-110*	18.11	*2.08*	*30*
Surr: Dibromofluoromethane	*19.62*	0	*20*	0	*98.1*	*90-110*	20.13	*2.57*	*30*
Surr: Toluene-d8	*19.64*	0	*20*	0	*98.2*	*85-115*	19.47	*0.869*	*30*

The following samples were analyzed in this batch:

14041038-38A	14041038-39A	14041038-40A
14041038-41A	14041038-42A	14041038-43A
14041038-44A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

MBLK	Sample ID: **VBLKW2-140425-R139643**				Units: **µg/L**			Analysis Date: **4/26/2014 03:06 AM**		
Client ID:		Run ID: **VMS6_140425B**			SeqNo: **2732094**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*19.19*	0	*20*	0	*96*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.07*	0	*20*	0	*100*	*85-110*	0
Surr: Dibromofluoromethane	*19.2*	0	*20*	0	*96*	*90-110*	0
Surr: Toluene-d8	*19.29*	0	*20*	0	*96.4*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

LCS	Sample ID: **VLCSW3-140425-R139643**				Units: **µg/L**			Analysis Date: **4/26/2014 02:15 AM**		
Client ID:		Run ID: **VMS6_140425B**			SeqNo: **2732093**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.96	1.0	20	0	99.8	75-130	0			
1,1,2,2-Tetrachloroethane	19.71	1.0	20	0	98.6	75-130	0			
1,1,2-Trichloroethane	19.76	1.0	20	0	98.8	75-125	0			
1,1-Dichloroethane	19.18	1.0	20	0	95.9	75-133	0			
1,1-Dichloroethene	19.49	1.0	20	0	97.4	70-145	0			
1,2,4-Trichlorobenzene	19.15	1.0	20	0	95.8	70-135	0			
1,2-Dibromo-3-chloropropane	15.4	1.0	20	0	77	60-130	0			
1,2-Dibromoethane	19.64	1.0	20	0	98.2	80-150	0			
1,2-Dichlorobenzene	19.1	1.0	20	0	95.5	70-130	0			
1,2-Dichloroethane	19.95	1.0	20	0	99.8	78-125	0			
1,2-Dichloropropane	20.51	2.0	20	0	103	75-125	0			
1,3-Dichlorobenzene	19.93	2.0	20	0	99.6	75-130	0			
1,4-Dichlorobenzene	19.84	2.0	20	0	99.2	75-130	0			
2-Butanone	19.96	5.0	20	0	99.8	55-150	0			
2-Hexanone	17.53	5.0	20	0	87.6	60-135	0			
4-Methyl-2-pentanone	22.71	5.0	20	0	114	77-178	0			
Acetone	15.91	20	20	0	79.6	60-160	0			J
Benzene	19.68	1.0	20	0	98.4	85-125	0			
Bromodichloromethane	21.03	1.0	20	0	105	75-125	0			
Bromoform	15.83	1.0	20	0	79.2	60-125	0			
Bromomethane	27.75	1.0	20	0	139	30-185	0			
Carbon disulfide	21.56	2.5	20	0	108	60-165	0			
Carbon tetrachloride	20.29	1.0	20	0	101	65-140	0			
Chlorobenzene	19.98	1.0	20	0	99.9	80-120	0			
Chloroethane	16.56	1.0	20	0	82.8	50-140	0			
Chloroform	19.33	1.0	20	0	96.6	80-130	0			
Chloromethane	14.99	1.0	20	0	75	50-130	0			
cis-1,2-Dichloroethene	19.78	1.0	20	0	98.9	75-134	0			
cis-1,3-Dichloropropene	20.43	1.0	20	0	102	70-130	0			
Dibromochloromethane	15.17	1.0	20	0	75.8	60-115	0			
Dichlorodifluoromethane	10.26	1.0	20	0	51.3	20-120	0			
Ethylbenzene	19.62	1.0	20	0	98.1	85-125	0			
Isopropylbenzene	19.58	1.0	20	0	97.9	80-127	0			
Methyl tert-butyl ether	20.37	5.0	20	0	102	80-130	0			
Methylene chloride	21.04	5.0	20	0	105	75-140	0			
Styrene	20.23	1.0	20	0	101	85-125	0			
Tetrachloroethene	18.92	2.0	20	0	94.6	77-138	0			
Toluene	18.95	1.0	20	0	94.8	85-125	0			
trans-1,2-Dichloroethene	20.79	1.0	20	0	104	80-140	0			
trans-1,3-Dichloropropene	16.62	1.0	20	0	83.1	81-123	0			
Trichloroethene	19.36	1.0	20	0	96.8	84-130	0			
Trichlorofluoromethane	15.81	1.0	20	0	79	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	15.43	1.0	20	0	77.2	50-136	0
Xylenes, Total	59.16	3.0	60	0	98.6	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.44*	0	*20*	0	*97.2*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.66*	0	*20*	0	*103*	*85-110*	0
Surr: Dibromofluoromethane	*20.64*	0	*20*	0	*103*	*90-110*	0
Surr: Toluene-d8	*19.37*	0	*20*	0	*96.8*	*85-115*	0

QC BATCH REPORT

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

MS Sample ID: **14041038-20A MS** Units: **µg/L** Analysis Date: **4/26/2014 12:06 PM**

Client ID: **WG-017360-041614-MR-020** Run ID: **VMS6_140425B** SeqNo: **2732130** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.27	1.0	20	0	96.4	75-130	0			
1,1,2,2-Tetrachloroethane	17.91	1.0	20	0	89.6	75-130	0			
1,1,2-Trichloroethane	19.27	1.0	20	0	96.4	75-125	0			
1,1-Dichloroethane	17.95	1.0	20	0	89.8	75-133	0			
1,1-Dichloroethene	19.08	1.0	20	0	95.4	70-145	0			
1,2,4-Trichlorobenzene	16.83	1.0	20	0	84.2	70-135	0			
1,2-Dibromo-3-chloropropane	13.27	1.0	20	0	66.4	60-130	0			
1,2-Dibromoethane	18.05	1.0	20	0	90.2	80-150	0			
1,2-Dichlorobenzene	17.69	1.0	20	0	88.4	70-130	0			
1,2-Dichloroethane	18.85	1.0	20	0	94.2	78-125	0			
1,2-Dichloropropane	19.16	2.0	20	0	95.8	75-125	0			
1,3-Dichlorobenzene	18.57	2.0	20	0	92.8	75-130	0			
1,4-Dichlorobenzene	18.33	2.0	20	0	91.6	75-130	0			
2-Butanone	17.47	5.0	20	0	87.4	55-150	0			
2-Hexanone	16.44	5.0	20	0	82.2	60-135	0			
4-Methyl-2-pentanone	21.09	5.0	20	0	105	77-178	0			
Acetone	14.93	20	20	0	74.6	60-160	0			J
Benzene	19.03	1.0	20	0	95.2	85-125	0			
Bromodichloromethane	18.73	1.0	20	0	93.6	75-125	0			
Bromoform	13.89	1.0	20	0	69.4	60-125	0			
Bromomethane	24.36	1.0	20	0	122	30-185	0			
Carbon disulfide	20.28	2.5	20	0	101	60-165	0			
Carbon tetrachloride	19.81	1.0	20	0	99	65-140	0			
Chlorobenzene	18.88	1.0	20	0	94.4	80-120	0			
Chloroethane	16.43	1.0	20	0	82.2	50-140	0			
Chloroform	18.27	1.0	20	0	91.4	80-130	0			
Chloromethane	14.01	1.0	20	0	70	50-130	0			
cis-1,2-Dichloroethene	65.32	1.0	20	51.15	70.8	75-134	0			S
cis-1,3-Dichloropropene	18.02	1.0	20	0	90.1	70-130	0			
Dibromochloromethane	13.59	1.0	20	0	68	60-115	0			
Dichlorodifluoromethane	10.71	1.0	20	0	53.6	20-120	0			
Ethylbenzene	18.86	1.0	20	0	94.3	85-125	0			
Isopropylbenzene	18.64	1.0	20	0	93.2	80-127	0			
Methyl tert-butyl ether	18.8	5.0	20	0	94	80-130	0			
Methylene chloride	18.94	5.0	20	0	94.7	75-140	0			
Styrene	18.84	1.0	20	0	94.2	85-125	0			
Tetrachloroethene	104.8	2.0	20	91.98	64	77-138	0			SEO
Toluene	18.15	1.0	20	0	90.8	85-125	0			
trans-1,2-Dichloroethene	20.85	1.0	20	1.06	99	80-140	0			
trans-1,3-Dichloropropene	14.71	1.0	20	0	73.6	81-123	0			S
Trichloroethene	26.65	1.0	20	8.02	93.2	84-130	0			
Trichlorofluoromethane	16.33	1.0	20	0	81.6	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	15.52	1.0	20	0	77.6	50-136	0
Xylenes, Total	56.16	3.0	60	0	93.6	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.58*	0	*20*	0	*97.9*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.29*	0	*20*	0	*101*	*85-110*	0
Surr: Dibromofluoromethane	*20.16*	0	*20*	0	*101*	*90-110*	0
Surr: Toluene-d8	*19.41*	0	*20*	0	*97*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

MSD Sample ID: **14041038-20A MSD** Units: **µg/L** Analysis Date: **4/26/2014 12:31 PM**
Client ID: **WG-017360-041614-MR-020** Run ID: **VMS6_140425B** SeqNo: **2732135** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.98	1.0	20	0	94.9	75-130	19.27	1.52	30	
1,1,2,2-Tetrachloroethane	18.34	1.0	20	0	91.7	75-130	17.91	2.37	30	
1,1,2-Trichloroethane	19.07	1.0	20	0	95.4	75-125	19.27	1.04	30	
1,1-Dichloroethane	18.7	1.0	20	0	93.5	75-133	17.95	4.09	30	
1,1-Dichloroethene	19.67	1.0	20	0	98.4	70-145	19.08	3.05	30	
1,2,4-Trichlorobenzene	17.6	1.0	20	0	88	70-135	16.83	4.47	30	
1,2-Dibromo-3-chloropropane	13.52	1.0	20	0	67.6	60-130	13.27	1.87	30	
1,2-Dibromoethane	18.26	1.0	20	0	91.3	80-150	18.05	1.16	30	
1,2-Dichlorobenzene	17.87	1.0	20	0	89.4	70-130	17.69	1.01	30	
1,2-Dichloroethane	18.83	1.0	20	0	94.2	78-125	18.85	0.106	30	
1,2-Dichloropropane	19.03	2.0	20	0	95.2	75-125	19.16	0.681	30	
1,3-Dichlorobenzene	18.52	2.0	20	0	92.6	75-130	18.57	0.27	30	
1,4-Dichlorobenzene	18.35	2.0	20	0	91.8	75-130	18.33	0.109	30	
2-Butanone	20.19	5.0	20	0	101	55-150	17.47	14.4	30	
2-Hexanone	16.65	5.0	20	0	83.2	60-135	16.44	1.27	30	
4-Methyl-2-pentanone	21.74	5.0	20	0	109	77-178	21.09	3.04	30	
Acetone	16.59	20	20	0	83	60-160	14.93	0	30	J
Benzene	18.37	1.0	20	0	91.8	85-125	19.03	3.53	30	
Bromodichloromethane	18.65	1.0	20	0	93.2	75-125	18.73	0.428	30	
Bromoform	13.67	1.0	20	0	68.4	60-125	13.89	1.6	30	
Bromomethane	21.63	1.0	20	0	108	30-185	24.36	11.9	30	
Carbon disulfide	19.62	2.5	20	0	98.1	60-165	20.28	3.31	30	
Carbon tetrachloride	19.09	1.0	20	0	95.4	65-140	19.81	3.7	30	
Chlorobenzene	18.34	1.0	20	0	91.7	80-120	18.88	2.9	30	
Chloroethane	16.05	1.0	20	0	80.2	50-140	16.43	2.34	30	
Chloroform	18.22	1.0	20	0	91.1	80-130	18.27	0.274	30	
Chloromethane	14.41	1.0	20	0	72	50-130	14.01	2.81	30	
cis-1,2-Dichloroethene	66.17	1.0	20	51.15	75.1	75-134	65.32	1.29	30	
cis-1,3-Dichloropropene	17.88	1.0	20	0	89.4	70-130	18.02	0.78	30	
Dibromochloromethane	13.77	1.0	20	0	68.8	60-115	13.59	1.32	30	
Dichlorodifluoromethane	10.64	1.0	20	0	53.2	20-120	10.71	0.656	30	
Ethylbenzene	18.26	1.0	20	0	91.3	85-125	18.86	3.23	30	
Isopropylbenzene	18.49	1.0	20	0	92.4	80-127	18.64	0.808	30	
Methyl tert-butyl ether	19.5	5.0	20	0	97.5	80-130	18.8	3.66	30	
Methylene chloride	19.55	5.0	20	0	97.8	75-140	18.94	3.17	30	
Styrene	18.22	1.0	20	0	91.1	85-125	18.84	3.35	30	
Tetrachloroethene	101.3	2.0	20	91.98	46.6	77-138	104.8	3.38	30	SEO
Toluene	17.64	1.0	20	0	88.2	85-125	18.15	2.85	30	
trans-1,2-Dichloroethene	20.99	1.0	20	1.06	99.6	80-140	20.85	0.669	30	
trans-1,3-Dichloropropene	14.47	1.0	20	0	72.4	81-123	14.71	1.64	30	S
Trichloroethene	25.61	1.0	20	8.02	88	84-130	26.65	3.98	30	
Trichlorofluoromethane	16.04	1.0	20	0	80.2	60-140	16.33	1.79	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139643** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	15.05	1.0	20	0	75.2	50-136	15.52	3.07	30
Xylenes, Total	54.65	3.0	60	0	91.1	80-126	56.16	2.73	30
Surr: 1,2-Dichloroethane-d4	*19.53*	0	*20*	0	*97.6*	*70-120*	19.58	*0.256*	*30*
Surr: 4-Bromofluorobenzene	*20.44*	0	*20*	0	*102*	*85-110*	20.29	*0.737*	*30*
Surr: Dibromofluoromethane	*20.1*	0	*20*	0	*100*	*90-110*	20.16	*0.298*	*30*
Surr: Toluene-d8	*19.09*	0	*20*	0	*95.4*	*85-115*	19.41	*1.66*	*30*

The following samples were analyzed in this batch:

14041038-18A	14041038-19A	14041038-20A
14041038-21A	14041038-22A	14041038-23A
14041038-24A	14041038-25A	14041038-26A
14041038-27A	14041038-28A	14041038-29A
14041038-30A	14041038-31A	14041038-32A
14041038-33A	14041038-34A	14041038-35A
14041038-36A	14041038-37A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

MBLK	Sample ID: **VBLKW3-140425-R139649**				Units: **µg/L**			Analysis Date: **4/26/2014 08:49 AM**		
Client ID:		Run ID: **VMS9_140425B**			SeqNo: **2732334**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	0.56	1.0								J
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	0.27	2.5								J
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*20.61*	0	*20*	0	*103*	*70-120*	0
Surr: 4-Bromofluorobenzene	*18.4*	0	*20*	0	*92*	*85-110*	0
Surr: Dibromofluoromethane	*20.13*	0	*20*	0	*101*	*90-110*	0
Surr: Toluene-d8	*19.21*	0	*20*	0	*96*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

LCS	Sample ID: **VLCSW4-140425-R139649**				Units: **µg/L**			Analysis Date: **4/26/2014 07:36 AM**			
Client ID:		Run ID: **VMS9_140425B**			SeqNo: **2732333**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.52	1.0	20	0	108	75-130	0			
1,1,2,2-Tetrachloroethane	20.23	1.0	20	0	101	75-130	0			
1,1,2-Trichloroethane	19.36	1.0	20	0	96.8	75-125	0			
1,1-Dichloroethane	20.37	1.0	20	0	102	75-133	0			
1,1-Dichloroethene	20.05	1.0	20	0	100	70-145	0			
1,2,4-Trichlorobenzene	21.77	1.0	20	0	109	70-135	0			
1,2-Dibromo-3-chloropropane	23.11	1.0	20	0	116	60-130	0			
1,2-Dibromoethane	44.04	1.0	20	0	220	80-150	0			S
1,2-Dichlorobenzene	20.11	1.0	20	0	101	70-130	0			
1,2-Dichloroethane	19.8	1.0	20	0	99	78-125	0			
1,2-Dichloropropane	20.01	2.0	20	0	100	75-125	0			
1,3-Dichlorobenzene	21.32	2.0	20	0	107	75-130	0			
1,4-Dichlorobenzene	20.69	2.0	20	0	103	75-130	0			
2-Butanone	20.81	5.0	20	0	104	55-150	0			
2-Hexanone	20.55	5.0	20	0	103	60-135	0			
4-Methyl-2-pentanone	28.42	5.0	20	0	142	77-178	0			
Acetone	22.2	20	20	0	111	60-160	0			
Benzene	20.55	1.0	20	0	103	85-125	0			
Bromodichloromethane	20.31	1.0	20	0	102	75-125	0			
Bromoform	19.36	1.0	20	0	96.8	60-125	0			
Bromomethane	18.03	1.0	20	0	90.2	30-185	0			
Carbon disulfide	19.91	2.5	20	0	99.6	60-165	0			
Carbon tetrachloride	19.04	1.0	20	0	95.2	65-140	0			
Chlorobenzene	20.7	1.0	20	0	104	80-120	0			
Chloroethane	18.1	1.0	20	0	90.5	50-140	0			
Chloroform	20.37	1.0	20	0	102	80-130	0			
Chloromethane	14.35	1.0	20	0	71.8	50-130	0			
cis-1,2-Dichloroethene	20.45	1.0	20	0	102	75-134	0			
cis-1,3-Dichloropropene	21.19	1.0	20	0	106	70-130	0			
Dibromochloromethane	18.74	1.0	20	0	93.7	60-115	0			
Dichlorodifluoromethane	11.19	1.0	20	0	56	20-120	0			
Ethylbenzene	21.28	1.0	20	0	106	85-125	0			
Isopropylbenzene	19.6	1.0	20	0	98	80-127	0			
Methyl tert-butyl ether	18.61	5.0	20	0	93	80-130	0			
Methylene chloride	20.99	5.0	20	0	105	75-140	0			
Styrene	19.54	1.0	20	0	97.7	85-125	0			
Tetrachloroethene	20	2.0	20	0	100	77-138	0			
Toluene	21.04	1.0	20	0	105	85-125	0			
trans-1,2-Dichloroethene	21.17	1.0	20	0	106	80-140	0			
trans-1,3-Dichloropropene	19.59	1.0	20	0	98	81-123	0			
Trichloroethene	20.63	1.0	20	0	103	84-130	0			
Trichlorofluoromethane	18.27	1.0	20	0	91.4	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

Vinyl chloride	16.57	1.0	20	0	82.8	50-136	0
Xylenes, Total	60.13	3.0	60	0	100	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.47*	0	*20*	0	*97.4*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.88*	0	*20*	0	*104*	*85-110*	0
Surr: Dibromofluoromethane	*19.69*	0	*20*	0	*98.4*	*90-110*	0
Surr: Toluene-d8	*19.96*	0	*20*	0	*99.8*	*85-115*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

MS Sample ID: **14041046-10B MS** Units: **µg/L** Analysis Date: **4/26/2014 05:20 PM**
Client ID: Run ID: **VMS9_140425B** SeqNo: **2732355** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.71	1.0	20	0	114	75-130	0			
1,1,2,2-Tetrachloroethane	20.01	1.0	20	0	100	75-130	0			
1,1,2-Trichloroethane	19.08	1.0	20	0	95.4	75-125	0			
1,1-Dichloroethane	20.58	1.0	20	0	103	75-133	0			
1,1-Dichloroethene	21.72	1.0	20	0	109	70-145	0			
1,2,4-Trichlorobenzene	17.69	1.0	20	0	88.4	70-135	0			
1,2-Dibromo-3-chloropropane	20.93	1.0	20	0	105	60-130	0			
1,2-Dibromoethane	42.84	1.0	20	0	214	80-150	0			S
1,2-Dichlorobenzene	18.65	1.0	20	0	93.2	70-130	0			
1,2-Dichloroethane	19.32	1.0	20	0	96.6	78-125	0			
1,2-Dichloropropane	19.67	2.0	20	0	98.4	75-125	0			
1,3-Dichlorobenzene	20.05	2.0	20	0	100	75-130	0			
1,4-Dichlorobenzene	19.51	2.0	20	0	97.6	75-130	0			
2-Butanone	19.1	5.0	20	0	95.5	55-150	0			
2-Hexanone	18.97	5.0	20	0	94.8	60-135	0			
4-Methyl-2-pentanone	27.24	5.0	20	0	136	77-178	0			
Acetone	21.73	20	20	0	109	60-160	0			
Benzene	20.82	1.0	20	0	104	85-125	0			
Bromodichloromethane	19.66	1.0	20	0	98.3	75-125	0			
Bromoform	18.51	1.0	20	0	92.6	60-125	0			
Bromomethane	15.15	1.0	20	0	75.8	30-185	0			
Carbon disulfide	20.07	2.5	20	0.17	99.5	60-165	0			
Carbon tetrachloride	19.76	1.0	20	0	98.8	65-140	0			
Chlorobenzene	20.23	1.0	20	0	101	80-120	0			
Chloroethane	18.08	1.0	20	0	90.4	50-140	0			
Chloroform	40.17	1.0	20	21.65	92.6	80-130	0			
Chloromethane	14.56	1.0	20	0	72.8	50-130	0			
cis-1,2-Dichloroethene	20.03	1.0	20	0	100	75-134	0			
cis-1,3-Dichloropropene	19.68	1.0	20	0	98.4	70-130	0			
Dibromochloromethane	17.97	1.0	20	0	89.8	60-115	0			
Dichlorodifluoromethane	12.56	1.0	20	0	62.8	20-120	0			
Ethylbenzene	21.23	1.0	20	0	106	85-125	0			
Isopropylbenzene	19.85	1.0	20	0	99.2	80-127	0			
Methyl tert-butyl ether	18.18	5.0	20	0	90.9	80-130	0			
Methylene chloride	20.45	5.0	20	0	102	75-140	0			
Styrene	19.25	1.0	20	0	96.2	85-125	0			
Tetrachloroethene	20.77	2.0	20	0	104	77-138	0			
Toluene	20.57	1.0	20	0	103	85-125	0			
trans-1,2-Dichloroethene	21.32	1.0	20	0	107	80-140	0			
trans-1,3-Dichloropropene	17.91	1.0	20	0	89.6	81-123	0			
Trichloroethene	21.09	1.0	20	0	105	84-130	0			
Trichlorofluoromethane	20.37	1.0	20	0	102	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

Vinyl chloride	16.65	1.0	20	0	83.2	50-136	0
Xylenes, Total	59	3.0	60	0	98.3	80-126	0
Surr: 1,2-Dichloroethane-d4	*20.29*	0	*20*	0	*101*	*70-120*	0
Surr: 4-Bromofluorobenzene	*21.13*	0	*20*	0	*106*	*85-110*	0
Surr: Dibromofluoromethane	*20.3*	0	*20*	0	*102*	*90-110*	0
Surr: Toluene-d8	*19.99*	0	*20*	0	*100*	*85-115*	0

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

MSD	Sample ID: **14041046-10B MSD**				Units: **µg/L**			Analysis Date: **4/26/2014 05:44 PM**		
Client ID:		Run ID: **VMS9_140425B**			SeqNo: **2732356**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.51	1.0	20	0	113	75-130	22.71	0.885	30	
1,1,2,2-Tetrachloroethane	20.12	1.0	20	0	101	75-130	20.01	0.548	30	
1,1,2-Trichloroethane	18.94	1.0	20	0	94.7	75-125	19.08	0.736	30	
1,1-Dichloroethane	20.21	1.0	20	0	101	75-133	20.58	1.81	30	
1,1-Dichloroethene	21.48	1.0	20	0	107	70-145	21.72	1.11	30	
1,2,4-Trichlorobenzene	18.42	1.0	20	0	92.1	70-135	17.69	4.04	30	
1,2-Dibromo-3-chloropropane	21.25	1.0	20	0	106	60-130	20.93	1.52	30	
1,2-Dibromoethane	42.38	1.0	20	0	212	80-150	42.84	1.08	30	S
1,2-Dichlorobenzene	18.47	1.0	20	0	92.4	70-130	18.65	0.97	30	
1,2-Dichloroethane	19.71	1.0	20	0	98.6	78-125	19.32	2	30	
1,2-Dichloropropane	20.21	2.0	20	0	101	75-125	19.67	2.71	30	
1,3-Dichlorobenzene	19.88	2.0	20	0	99.4	75-130	20.05	0.851	30	
1,4-Dichlorobenzene	19.43	2.0	20	0	97.2	75-130	19.51	0.411	30	
2-Butanone	20.64	5.0	20	0	103	55-150	19.1	7.75	30	
2-Hexanone	19.21	5.0	20	0	96	60-135	18.97	1.26	30	
4-Methyl-2-pentanone	28.58	5.0	20	0	143	77-178	27.24	4.8	30	
Acetone	23.41	20	20	0	117	60-160	21.73	7.44	30	
Benzene	20.74	1.0	20	0	104	85-125	20.82	0.385	30	
Bromodichloromethane	19.72	1.0	20	0	98.6	75-125	19.66	0.305	30	
Bromoform	18.44	1.0	20	0	92.2	60-125	18.51	0.379	30	
Bromomethane	14.46	1.0	20	0	72.3	30-185	15.15	4.66	30	
Carbon disulfide	19.73	2.5	20	0.17	97.8	60-165	20.07	1.71	30	
Carbon tetrachloride	23.25	1.0	20	0	116	65-140	19.76	16.2	30	
Chlorobenzene	20.12	1.0	20	0	101	80-120	20.23	0.545	30	
Chloroethane	17.8	1.0	20	0	89	50-140	18.08	1.56	30	
Chloroform	39.26	1.0	20	21.65	88	80-130	40.17	2.29	30	
Chloromethane	14.52	1.0	20	0	72.6	50-130	14.56	0.275	30	
cis-1,2-Dichloroethene	19.73	1.0	20	0	98.6	75-134	20.03	1.51	30	
cis-1,3-Dichloropropene	19.46	1.0	20	0	97.3	70-130	19.68	1.12	30	
Dibromochloromethane	17.15	1.0	20	0	85.8	60-115	17.97	4.67	30	
Dichlorodifluoromethane	12.17	1.0	20	0	60.8	20-120	12.56	3.15	30	
Ethylbenzene	20.9	1.0	20	0	104	85-125	21.23	1.57	30	
Isopropylbenzene	19.4	1.0	20	0	97	80-127	19.85	2.29	30	
Methyl tert-butyl ether	17.99	5.0	20	0	90	80-130	18.18	1.05	30	
Methylene chloride	20.17	5.0	20	0	101	75-140	20.45	1.38	30	
Styrene	18.94	1.0	20	0	94.7	85-125	19.25	1.62	30	
Tetrachloroethene	20.14	2.0	20	0	101	77-138	20.77	3.08	30	
Toluene	20.36	1.0	20	0	102	85-125	20.57	1.03	30	
trans-1,2-Dichloroethene	20.97	1.0	20	0	105	80-140	21.32	1.66	30	
trans-1,3-Dichloropropene	17.99	1.0	20	0	90	81-123	17.91	0.446	30	
Trichloroethene	20.84	1.0	20	0	104	84-130	21.09	1.19	30	
Trichlorofluoromethane	20.17	1.0	20	0	101	60-140	20.37	0.987	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139649** Instrument ID **VMS9** Method: **SW8260**

Vinyl chloride	17.01	1.0	20	0	85	50-136	16.65	2.14	30
Xylenes, Total	58.68	3.0	60	0	97.8	80-126	59	0.544	30
Surr: 1,2-Dichloroethane-d4	*20.14*	0	*20*	0	*101*	*70-120*	20.29	*0.742*	*30*
Surr: 4-Bromofluorobenzene	*20.84*	0	*20*	0	*104*	*85-110*	21.13	*1.38*	*30*
Surr: Dibromofluoromethane	*20.47*	0	*20*	0	*102*	*90-110*	20.3	*0.834*	*30*
Surr: Toluene-d8	*19.71*	0	*20*	0	*98.6*	*85-115*	19.99	*1.41*	*30*

The following samples were analyzed in this batch:

14041038-10A	14041038-11A	14041038-12A
14041038-13A	14041038-14A	14041038-15A
14041038-16A	14041038-17A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139652** Instrument ID **VMS5** Method: **SW8260**

MBLK Sample ID: **VBLKW1-140427-R139652** Units: **µg/L** Analysis Date: **4/27/2014 10:39 AM**
Client ID: Run ID: **VMS5_140427A** SeqNo: **2733568** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	U	2.0								
Surr: 1,2-Dichloroethane-d4	*19.01*	0	*20*	0	*95*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*17.91*	0	*20*	0	*89.6*	*80-110*	0			
Surr: Dibromofluoromethane	*20.09*	0	*20*	0	*100*	*85-115*	0			
Surr: Toluene-d8	*19.67*	0	*20*	0	*98.4*	*85-110*	0			

LCS Sample ID: **VLCSW1-140427-R139652** Units: **µg/L** Analysis Date: **4/27/2014 09:49 AM**
Client ID: Run ID: **VMS5_140427A** SeqNo: **2733567** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	21.06	2.0	20	0	105	77-138	0			
Surr: 1,2-Dichloroethane-d4	*18.69*	0	*20*	0	*93.4*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*18.32*	0	*20*	0	*91.6*	*80-110*	0			
Surr: Dibromofluoromethane	*20.27*	0	*20*	0	*101*	*85-115*	0			
Surr: Toluene-d8	*19.51*	0	*20*	0	*97.6*	*85-110*	0			

MS Sample ID: **14041039-18A MS** Units: **µg/L** Analysis Date: **4/27/2014 07:33 PM**
Client ID: Run ID: **VMS5_140427A** SeqNo: **2733597** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	21.22	2.0	20	0	106	77-138	0			
Surr: 1,2-Dichloroethane-d4	*18.96*	0	*20*	0	*94.8*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*18.89*	0	*20*	0	*94.4*	*80-110*	0			
Surr: Dibromofluoromethane	*20.18*	0	*20*	0	*101*	*85-115*	0			
Surr: Toluene-d8	*19.48*	0	*20*	0	*97.4*	*85-110*	0			

MSD Sample ID: **14041039-18A MSD** Units: **µg/L** Analysis Date: **4/27/2014 07:59 PM**
Client ID: Run ID: **VMS5_140427A** SeqNo: **2733598** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	21.12	2.0	20	0	106	77-138	21.22	0.472	30	
Surr: 1,2-Dichloroethane-d4	*19*	0	*20*	0	*95*	*75-120*	18.96	*0.211*	*30*	
Surr: 4-Bromofluorobenzene	*18.36*	0	*20*	0	*91.8*	*80-110*	18.89	*2.85*	*30*	
Surr: Dibromofluoromethane	*19.82*	0	*20*	0	*99.1*	*85-115*	20.18	*1.8*	*30*	
Surr: Toluene-d8	*19.27*	0	*20*	0	*96.4*	*85-110*	19.48	*1.08*	*30*	

The following samples were analyzed in this batch:

14041038-29A	14041038-30A	14041038-31A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

MBLK Sample ID: **VBLKW2-140427-R139690** Units: **µg/L** Analysis Date: **4/27/2014 10:04 PM**
Client ID: Run ID: **VMS6_140427A** SeqNo: **2735524** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*19.94*	0	*20*	0	*99.7*	*75-120*	0
Surr: 4-Bromofluorobenzene	*19.46*	0	*20*	0	*97.3*	*80-110*	0
Surr: Dibromofluoromethane	*19.88*	0	*20*	0	*99.4*	*85-115*	0
Surr: Toluene-d8	*19.71*	0	*20*	0	*98.6*	*85-110*	0

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

LCS	Sample ID: **VLCSW1-140427-R139690**				Units: **µg/L**			Analysis Date: **4/27/2014 09:12 PM**		
Client ID:		Run ID: **VMS6_140427A**			SeqNo: **2735523**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.09	1.0	20	0	100	75-130	0			
1,1,2,2-Tetrachloroethane	21.9	1.0	20	0	110	75-130	0			
1,1,2-Trichloroethane	19.71	1.0	20	0	98.6	75-125	0			
1,1-Dichloroethane	20.42	1.0	20	0	102	75-133	0			
1,1-Dichloroethene	19.53	1.0	20	0	97.6	70-145	0			
1,2,4-Trichlorobenzene	19.73	1.0	20	0	98.6	70-135	0			
1,2-Dibromo-3-chloropropane	20.42	1.0	20	0	102	60-130	0			
1,2-Dibromoethane	21.8	1.0	20	0	109	80-150	0			
1,2-Dichlorobenzene	19.8	1.0	20	0	99	70-130	0			
1,2-Dichloroethane	19.47	1.0	20	0	97.4	78-125	0			
1,2-Dichloropropane	19.84	2.0	20	0	99.2	75-125	0			
1,3-Dichlorobenzene	20.23	2.0	20	0	101	75-130	0			
1,4-Dichlorobenzene	20.8	2.0	20	0	104	75-130	0			
2-Butanone	21.27	5.0	20	0	106	55-150	0			
2-Hexanone	19.92	5.0	20	0	99.6	60-135	0			
4-Methyl-2-pentanone	27.04	5.0	20	0	135	77-178	0			
Acetone	21.27	20	20	0	106	60-160	0			
Benzene	20.07	1.0	20	0	100	85-125	0			
Bromodichloromethane	21.09	1.0	20	0	105	75-125	0			
Bromoform	16.92	1.0	20	0	84.6	60-125	0			
Bromomethane	22.22	1.0	20	0	111	30-185	0			
Carbon disulfide	19.02	2.5	20	0	95.1	60-165	0			
Carbon tetrachloride	19.85	1.0	20	0	99.2	65-140	0			
Chlorobenzene	20.26	1.0	20	0	101	80-120	0			
Chloroethane	15.64	1.0	20	0	78.2	50-140	0			
Chloroform	19.9	1.0	20	0	99.5	80-130	0			
Chloromethane	14.11	1.0	20	0	70.6	50-130	0			
cis-1,2-Dichloroethene	19.9	1.0	20	0	99.5	75-134	0			
cis-1,3-Dichloropropene	21.83	1.0	20	0	109	70-130	0			
Dibromochloromethane	16.35	1.0	20	0	81.8	60-115	0			
Dichlorodifluoromethane	9.51	1.0	20	0	47.6	20-120	0			
Ethylbenzene	20.33	1.0	20	0	102	85-125	0			
Isopropylbenzene	20.5	1.0	20	0	102	80-127	0			
Methyl tert-butyl ether	19.88	5.0	20	0	99.4	80-130	0			
Methylene chloride	20.5	5.0	20	0	102	75-140	0			
Styrene	20.6	1.0	20	0	103	85-125	0			
Tetrachloroethene	19.52	2.0	20	0	97.6	77-138	0			
Toluene	19.78	1.0	20	0	98.9	85-125	0			
trans-1,2-Dichloroethene	20.34	1.0	20	0	102	80-140	0			
trans-1,3-Dichloropropene	18.18	1.0	20	0	90.9	81-123	0			
Trichloroethene	20.42	1.0	20	0	102	84-130	0			
Trichlorofluoromethane	16.31	1.0	20	0	81.6	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	15.56	1.0	20	0	77.8	50-136	0
Xylenes, Total	62.24	3.0	60	0	104	80-126	0
Surr: 1,2-Dichloroethane-d4	*20.28*	0	*20*	0	*101*	*75-120*	0
Surr: 4-Bromofluorobenzene	*20.21*	0	*20*	0	*101*	*80-110*	0
Surr: Dibromofluoromethane	*20.78*	0	*20*	0	*104*	*85-115*	0
Surr: Toluene-d8	*20.1*	0	*20*	0	*100*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

MS Sample ID: **14041038-04A MS** Units: **µg/L** Analysis Date: **4/28/2014 07:04 AM**

Client ID: **WG-017360-041414-MR-004** Run ID: **VMS6_140427A** SeqNo: **2735551** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.41	1.0	20	0	107	75-130	0			
1,1,2,2-Tetrachloroethane	17.15	1.0	20	0	85.8	75-130	0			
1,1,2-Trichloroethane	16.9	1.0	20	0	84.5	75-125	0			
1,1-Dichloroethane	20.01	1.0	20	0	100	75-133	0			
1,1-Dichloroethene	22.06	1.0	20	0	110	70-145	0			
1,2,4-Trichlorobenzene	17.63	1.0	20	0	88.2	70-135	0			
1,2-Dibromo-3-chloropropane	13.17	1.0	20	0	65.8	60-130	0			
1,2-Dibromoethane	18.46	1.0	20	0	92.3	80-150	0			
1,2-Dichlorobenzene	18.01	1.0	20	0	90	70-130	0			
1,2-Dichloroethane	17.54	1.0	20	0	87.7	78-125	0			
1,2-Dichloropropane	18.78	2.0	20	0	93.9	75-125	0			
1,3-Dichlorobenzene	18.54	2.0	20	0	92.7	75-130	0			
1,4-Dichlorobenzene	19.38	2.0	20	0	96.9	75-130	0			
2-Butanone	14.86	5.0	20	0	74.3	55-150	0			
2-Hexanone	14	5.0	20	0	70	60-135	0			
4-Methyl-2-pentanone	18.73	5.0	20	0	93.6	77-178	0			
Acetone	15.69	20	20	0	78.4	60-160	0			J
Benzene	20.02	1.0	20	0	100	85-125	0			
Bromodichloromethane	18.97	1.0	20	0	94.8	75-125	0			
Bromoform	12.89	1.0	20	0	64.4	60-125	0			
Bromomethane	25.83	1.0	20	0	129	30-185	0			
Carbon disulfide	19.66	2.5	20	0	98.3	60-165	0			
Carbon tetrachloride	21.78	1.0	20	0	109	65-140	0			
Chlorobenzene	19.72	1.0	20	0	98.6	80-120	0			
Chloroethane	18.44	1.0	20	0	92.2	50-140	0			
Chloroform	19.58	1.0	20	0	97.9	80-130	0			
Chloromethane	14.15	1.0	20	0	70.8	50-130	0			
cis-1,2-Dichloroethene	19.56	1.0	20	0	97.8	75-134	0			
cis-1,3-Dichloropropene	19.31	1.0	20	0	96.6	70-130	0			
Dibromochloromethane	14.05	1.0	20	0	70.2	60-115	0			
Dichlorodifluoromethane	11.76	1.0	20	0	58.8	20-120	0			
Ethylbenzene	20.22	1.0	20	0	101	85-125	0			
Isopropylbenzene	20.54	1.0	20	0	103	80-127	0			
Methyl tert-butyl ether	16.54	5.0	20	0	82.7	80-130	0			
Methylene chloride	19.73	5.0	20	0	98.6	75-140	0			
Styrene	19.26	1.0	20	0	96.3	85-125	0			
Tetrachloroethene	20.87	2.0	20	0	104	77-138	0			
Toluene	19.81	1.0	20	0	99	85-125	0			
trans-1,2-Dichloroethene	20.92	1.0	20	0	105	80-140	0			
trans-1,3-Dichloropropene	15.21	1.0	20	0	76	81-123	0			S
Trichloroethene	20.71	1.0	20	0	104	84-130	0			
Trichlorofluoromethane	21.6	1.0	20	0	108	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	17.35	1.0	20	0	86.8	50-136	0
Xylenes, Total	60.98	3.0	60	0	102	80-126	0
Surr: 1,2-Dichloroethane-d4	*20.3*	0	*20*	0	*102*	*75-120*	0
Surr: 4-Bromofluorobenzene	*20.19*	0	*20*	0	*101*	*80-110*	0
Surr: Dibromofluoromethane	*20.66*	0	*20*	0	*103*	*85-115*	0
Surr: Toluene-d8	*20.23*	0	*20*	0	*101*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041038
Project: Former GRMP (017360-T02Y14-01Y14)

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

MSD Sample ID: **14041038-04A MSD** Units: **µg/L** Analysis Date: **4/28/2014 07:29 AM**

Client ID: **WG-017360-041414-MR-004** Run ID: **VMS6_140427A** SeqNo: **2735554** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.15	1.0	20	0	101	75-130	21.41	6.06	30	
1,1,2,2-Tetrachloroethane	17.68	1.0	20	0	88.4	75-130	17.15	3.04	30	
1,1,2-Trichloroethane	17.25	1.0	20	0	86.2	75-125	16.9	2.05	30	
1,1-Dichloroethane	19.32	1.0	20	0	96.6	75-133	20.01	3.51	30	
1,1-Dichloroethene	20.61	1.0	20	0	103	70-145	22.06	6.8	30	
1,2,4-Trichlorobenzene	18.33	1.0	20	0	91.6	70-135	17.63	3.89	30	
1,2-Dibromo-3-chloropropane	13.96	1.0	20	0	69.8	60-130	13.17	5.82	30	
1,2-Dibromoethane	18.99	1.0	20	0	95	80-150	18.46	2.83	30	
1,2-Dichlorobenzene	18.38	1.0	20	0	91.9	70-130	18.01	2.03	30	
1,2-Dichloroethane	17.34	1.0	20	0	86.7	78-125	17.54	1.15	30	
1,2-Dichloropropane	18.3	2.0	20	0	91.5	75-125	18.78	2.59	30	
1,3-Dichlorobenzene	18.94	2.0	20	0	94.7	75-130	18.54	2.13	30	
1,4-Dichlorobenzene	19.46	2.0	20	0	97.3	75-130	19.38	0.412	30	
2-Butanone	14.32	5.0	20	0	71.6	55-150	14.86	3.7	30	
2-Hexanone	14.48	5.0	20	0	72.4	60-135	14	3.37	30	
4-Methyl-2-pentanone	19.62	5.0	20	0	98.1	77-178	18.73	4.64	30	
Acetone	16.04	20	20	0	80.2	60-160	15.69	0	30	J
Benzene	19.01	1.0	20	0	95	85-125	20.02	5.18	30	
Bromodichloromethane	18.67	1.0	20	0	93.4	75-125	18.97	1.59	30	
Bromoform	13.49	1.0	20	0	67.4	60-125	12.89	4.55	30	
Bromomethane	21.78	1.0	20	0	109	30-185	25.83	17	30	
Carbon disulfide	18.36	2.5	20	0	91.8	60-165	19.66	6.84	30	
Carbon tetrachloride	20.51	1.0	20	0	103	65-140	21.78	6.01	30	
Chlorobenzene	19.02	1.0	20	0	95.1	80-120	19.72	3.61	30	
Chloroethane	17.17	1.0	20	0	85.8	50-140	18.44	7.13	30	
Chloroform	19.21	1.0	20	0	96	80-130	19.58	1.91	30	
Chloromethane	13.19	1.0	20	0	66	50-130	14.15	7.02	30	
cis-1,2-Dichloroethene	18.84	1.0	20	0	94.2	75-134	19.56	3.75	30	
cis-1,3-Dichloropropene	18.7	1.0	20	0	93.5	70-130	19.31	3.21	30	
Dibromochloromethane	13.89	1.0	20	0	69.4	60-115	14.05	1.15	30	
Dichlorodifluoromethane	10.96	1.0	20	0	54.8	20-120	11.76	7.04	30	
Ethylbenzene	19.79	1.0	20	0	99	85-125	20.22	2.15	30	
Isopropylbenzene	20.43	1.0	20	0	102	80-127	20.54	0.537	30	
Methyl tert-butyl ether	16.91	5.0	20	0	84.6	80-130	16.54	2.21	30	
Methylene chloride	19.16	5.0	20	0	95.8	75-140	19.73	2.93	30	
Styrene	18.74	1.0	20	0	93.7	85-125	19.26	2.74	30	
Tetrachloroethene	19.63	2.0	20	0	98.2	77-138	20.87	6.12	30	
Toluene	19.35	1.0	20	0	96.8	85-125	19.81	2.35	30	
trans-1,2-Dichloroethene	19.95	1.0	20	0	99.8	80-140	20.92	4.75	30	
trans-1,3-Dichloropropene	15.18	1.0	20	0	75.9	81-123	15.21	0.197	30	S
Trichloroethene	19.68	1.0	20	0	98.4	84-130	20.71	5.1	30	
Trichlorofluoromethane	19.73	1.0	20	0	98.6	60-140	21.6	9.05	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139690** Instrument ID **VMS6** Method: **SW8260**

Vinyl chloride	16.34	1.0	20	0	81.7	50-136	17.35	6	30
Xylenes, Total	59.43	3.0	60	0	99	80-126	60.98	2.57	30
Surr: 1,2-Dichloroethane-d4	*19.69*	0	*20*	0	*98.4*	*75-120*	20.3	*3.05*	*30*
Surr: 4-Bromofluorobenzene	*20.4*	0	*20*	0	*102*	*80-110*	20.19	*1.03*	*30*
Surr: Dibromofluoromethane	*20.63*	0	*20*	0	*103*	*85-115*	20.66	*0.145*	*30*
Surr: Toluene-d8	*20.28*	0	*20*	0	*101*	*85-110*	20.23	*0.247*	*30*

The following samples were analyzed in this batch: 14041038-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

14841038

CHAIN OF CUSTODY RECORD

COC NO.: PL- 12390

PAGE 1 OF 3

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360 - T02y14 - 01y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360 - T01Y14
Project Name: Former GRMP	Lab Contact: Tom Bemish	Lab Quote No:	Cooler No:
Project Location: Wyoming, MI			Carrier: CRA
Chemistry Contact: Rawn Fleisher			Airbill No:
Sampler(s): Matt Ramsey			Date Shipped: 4/18/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 5g-5g 1x25-g	Other:	Total Containers/Sample	VOCs	Metals	MS/MSD Request
1	SW-017360-041414-MR-001	4/14/14	1020	SW	G		3							3	X		
2	" -002		1045														
3	" -003		1100														
4	WG-017360-041414-MR-004		1247	WG			9							9			X
5	" -005		1325				3							3			
6	" -006		1340											1			
7	" -007		1554														
8	" -008		1528														
9	WG-017360-041514-MR-009	4/15/14	1059														
10	-010		1136					1						4		X	
11	-011		1216											3			
12	-012		1300														
13	-013		1332														
14	-014		1552														
15	-015		1553														

Total Number of Containers: 52

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

All Samples in Cooler must be on COC

Notes/ Special Requirements: 3.6 c

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matt Ramsey	CRA	4/18/14	1610	1.	ALS	4/18/14	1610*
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY.

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110805)

CHAIN OF CUSTODY RECORD

COC NO.: PL-12391
PAGE 2 OF 3

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02y14-01y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T02y14
Project Name: Former GRMP	Lab Contact: Tom Beamish	Lab Quote No:	Cooler No:
Project Location: Wyoming, MI			Carrier: CRA
Chemistry Contact: Rawa Fleisher			Airbill No:
Sampler(s): Matt Ramsey			Date Shipped: 4/18/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: VOCs	SVOCs	MS/MSD Required	Comments/ Special Instructions:
1	WG-017360-041614-MR-016	4/16/14	1015	WG	G		3							3	X			
2	" -017		1100															
3	" -018		1130															
4	" -019		1153															
5	" -020		1359				9							9			X	
6	" -021		1306				3							3				
7	" -022		1505															
8	" -023		1530															
9	" -024		1559															
10	WG-017360-041714-MR-025	4/17/14	855															
11	-026		953															
12	-027		1139			2							3	5	X			
13	-028		1245										3	3				
14	-029		1406															
15	-030		1436															

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☑ 2 Week ☐ Other

Total Number of Containers: 53
All Samples In Cooler must be on COC

Notes/ Special Requirements: 3.6°C

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matt Ramsey	CRA	4/18/14	1610	1.	ALS	4/18/14	1610
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110609)

CHAIN OF CUSTODY RECORD

COC NO.: PL-12393
PAGE 3 OF 3

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02Y14-01Y14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-T01Y14
Project Name: Former GRMP	Lab Contact: Tom Bemish	Lab Quote No:	Cooler No:
Project Location: Wyoming, MI			Carrier: CRA
Chemistry Contact: Rawn Fleisher			Airbill No:
Sampler(s): Matt Ramsey			Date Shipped: 4/18/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCore 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	Metals									NS/MSD Request	Comments/ Special Instructions:
31	WG-017360-041714-MR-031	4/17/14	1441	WG	G		3							3	X											
32	" -032		1604																							
33	" -033		1637																							
34	" -034		1723																							
35	WG-017360-041814-MR-035	4/18/14	927																							
36	" -036		1007																							
37	" -037		1041					1						4		X										
38	" -038		1105					1						4		X										
39	" -039		1135											3												
40	" -040		1218											3												
41	" -041		1335					1						4		X										
42	" -042		1430					1						4		X										
43	" -043		1505											3												
44	TB-017360-041814-MR-044		—	TB			1							1												
45																										

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 44

All Samples In Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matt Ramsey	CRA	4/18/14	1610	1.	ALS	4/18/14	1610
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110804)

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **CRA - PLYMOUTH** Date/Time Received: **18-Apr-14 16:10**

Work Order: **14041038** Received by: **PD**

Checklist completed by Diane Shaw (eSignature) 19-Apr-14 (Date) Reviewed by: Tom Bramish (eSignature) 19-Apr-14 (Date)

Matrices: Surface Water, Groundwater

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.6 c		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/19/2014 9:34:36 AM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

07-May-2014

Rawa Fleisher
Conestoga-Rovers & Associates
14496 Sheldon Road
Suite 200
Plymouth, MI 48170

Re: **Former GRMP (17360)** Work Order: **14041179**

Dear Rawa,

ALS Environmental received 24 samples on 23-Apr-2014 02:55 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 110.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Bill Carey

Tom Beamish
Senior Project Manager

Certificate No: MN 532786

ALS Group USA, Corp

Date: 07-May-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Work Order: **14041179**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14041179-01	WG-017360-042114-MR-045	Groundwater		4/21/2014 10:07	4/23/2014 14:55	☐
14041179-02	WG-017360-042114-MR-046	Groundwater		4/21/2014 11:25	4/23/2014 14:55	☐
14041179-03	WG-017360-042114-MR-047	Groundwater		4/21/2014 12:30	4/23/2014 14:55	☐
14041179-04	WG-017360-042114-MR-048	Groundwater		4/21/2014 12:45	4/23/2014 14:55	☐
14041179-05	WG-017360-042114-MR-049	Groundwater		4/21/2014 13:44	4/23/2014 14:55	☐
14041179-06	WG-017360-042114-MR-050	Groundwater		4/21/2014 14:49	4/23/2014 14:55	☐
14041179-07	WG-017360-042114-MR-051	Groundwater		4/21/2014 16:12	4/23/2014 14:55	☐
14041179-08	WG-017360-042114-MR-052	Groundwater		4/21/2014 16:51	4/23/2014 14:55	☐
14041179-09	WG-017360-042214-MR-053	Groundwater		4/22/2014 09:36	4/23/2014 14:55	☐
14041179-10	WG-017360-042214-MR-054	Groundwater		4/22/2014 10:22	4/23/2014 14:55	☐
14041179-11	WG-017360-042214-MR-055	Groundwater		4/22/2014 11:03	4/23/2014 14:55	☐
14041179-12	WG-017360-042214-MR-056	Groundwater		4/22/2014 12:02	4/23/2014 14:55	☐
14041179-13	WG-017360-042214-MR-057	Groundwater		4/22/2014 12:46	4/23/2014 14:55	☐
14041179-14	WG-017360-042214-MR-058	Groundwater		4/22/2014 13:20	4/23/2014 14:55	☐
14041179-15	WG-017360-042214-MR-059	Groundwater		4/22/2014 14:33	4/23/2014 14:55	☐
14041179-16	WG-017360-042214-MR-060	Groundwater		4/22/2014 14:53	4/23/2014 14:55	☐
14041179-17	WG-017360-042214-MR-061	Groundwater		4/22/2014 15:28	4/23/2014 14:55	☐
14041179-18	WG-017360-042234-MR-062	Groundwater		4/23/2014 09:45	4/23/2014 14:55	☐
14041179-19	WG-017360-042234-MR-063	Groundwater		4/23/2014 10:48	4/23/2014 14:55	☐
14041179-20	WG-017360-042234-MR-064	Groundwater		4/23/2014 11:27	4/23/2014 14:55	☐
14041179-21	WG-017360-042234-MR-065	Groundwater		4/23/2014 12:51	4/23/2014 14:55	☐
14041179-22	WG-017360-042234-MR-066	Groundwater		4/23/2014 13:28	4/23/2014 14:55	☐
14041179-23	WG-017360-042234-MR-067	Groundwater		4/23/2014 13:50	4/23/2014 14:55	☐
14041179-24	TB-017360-042234-MR-068	Water		4/23/2014	4/23/2014 14:55	☐

ALS Group USA, Corp

Date: 07-May-14

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
WorkOrder: **14041179**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Work Order: 14041179

Case Narrative

Batch 58013, Method SVO_8270_W, Sample 14041179-15B: One or more surrogate recoveries are unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

Batch 58013, Method SVO_8270_W, Sample 14041179-16B: One or more surrogate recoveries are unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

Batch 58013, Method SVO_8270_W, Sample 14041179-17B: One or more surrogate recoveries are unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

Batch 58013, Method SVO_8270_W, Sample 14041179-19B MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Pentachlorophenol.

Batch 58013, Method SVO_8270_W, Sample 14041179-19B MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Pentachlorophenol.

Batch R139810, Method VOC_8260_W, Sample 14041179-19A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Hexachloroethane

Batch R139810, Method VOC_8260_W, Sample 14041179-19A MS: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Methyl Iodide

Batch R139810, Method VOC_8260_W, Sample 14041179-19A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Methyl Iodide

Batch R139810, Method VOC_8260_W, Sample 14041179-19A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Hexachloroethane

Batch R139810, Method VOC_8260_W, Sample VLCSW2-140429: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: Methyl Iodide

Batch R139812, Method VOC_8260_W, Sample 14041179-01A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Methyl Iodide

Batch R139812, Method VOC_8260_W, Sample 14041179-01A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Methyl Iodide

Batch R139844, Method VOC_8260_W, Sample 14041179-19A MS: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: multiple

Batch R139844, Method VOC_8260_W, Sample 14041179-19A MSD: The RPD between the MS and MSD was out of control. The corresponding result should be considered estimated for this compound: Bromomethane

Batch R139844, Method VOC_8260_W, Sample 14041179-19A MSD: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: multiple

Batch R139844, Method VOC_8260_W, Sample VLCSW1-140430: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: Methyl Iodide

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-045
Collection Date: 4/21/2014 10:07 AM

Work Order: 14041179
Lab ID: 14041179-01
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 17:07
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **ML**
BatchID: 57968							
Antimony	**0.00019**	J	**0.000036**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Arsenic	U		0.00058	0.0050	mg/L	1	4/30/2014 14:56
Barium	**0.046**		**0.000063**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Beryllium	U		0.000082	0.0020	mg/L	1	4/30/2014 14:56
Cadmium	U		0.000045	0.0020	mg/L	1	4/30/2014 14:56
Chromium	U		0.00027	0.0050	mg/L	1	4/30/2014 14:56
Cobalt	**0.0028**	J	**0.000041**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Copper	**0.0012**	J	**0.00053**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Lead	U		0.000051	0.0050	mg/L	1	4/30/2014 14:56
Manganese	**0.37**		**0.000054**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Molybdenum	**0.015**		**0.000088**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Nickel	**0.0054**		**0.00025**	**0.0050**	**mg/L**	1	4/30/2014 14:56
Selenium	U		0.00064	0.0050	mg/L	1	4/30/2014 14:56
Silver	U		0.000042	0.0050	mg/L	1	4/30/2014 14:56
Thallium	U		0.000062	0.0050	mg/L	1	4/30/2014 14:56
Vanadium	U		0.00016	0.0050	mg/L	1	4/30/2014 14:56
Zinc	**0.00089**	J	**0.00048**	**0.010**	**mg/L**	1	4/30/2014 14:56
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:24
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 04:24
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:24
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 04:24
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 04:24
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 04:24
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 04:24
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 04:24
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 04:24
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 04:24
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:24
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 04:24
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 04:24
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 04:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-045
Collection Date: 4/21/2014 10:07 AM

Work Order: 14041179
Lab ID: 14041179-01
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 04:24
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 04:24
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 04:24
Acetone	U		3.0	50	µg/L	1	4/30/2014 04:24
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 04:24
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 04:24
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 04:24
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 04:24
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 04:24
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 04:24
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 04:24
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 04:24
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 04:24
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 04:24
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 04:24
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 04:24
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 04:24
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 04:24
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 04:24
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 04:24
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 04:24
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 04:24
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 04:24
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 04:24
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 04:24
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 04:24
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 04:24
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 04:24
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 04:24
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 04:24
Trichloroethene	**2.8**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 04:24
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 04:24
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 04:24
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 04:24
Surr: 1,2-Dichloroethane-d4	*98.6*			*75-120*	*%REC*	1	4/30/2014 04:24
Surr: 4-Bromofluorobenzene	*95.1*			*80-110*	*%REC*	1	4/30/2014 04:24
Surr: Dibromofluoromethane	*97.7*			*85-115*	*%REC*	1	4/30/2014 04:24
Surr: Toluene-d8	*99.7*			*85-110*	*%REC*	1	4/30/2014 04:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-046
Collection Date: 4/21/2014 11:25 AM

Work Order: 14041179
Lab ID: 14041179-02
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 17:53
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **ML**
BatchID: 57968							
Antimony	**0.00021**	J	**0.000036**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Arsenic	U		0.00058	0.0050	mg/L	1	4/30/2014 15:14
Barium	**0.014**		**0.000063**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Beryllium	U		0.000082	0.0020	mg/L	1	4/30/2014 15:14
Cadmium	**0.00015**	J	**0.000045**	**0.0020**	**mg/L**	1	4/30/2014 15:14
Chromium	**0.0039**	J	**0.00027**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Cobalt	**0.0022**	J	**0.000041**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Copper	**0.0011**	J	**0.00053**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Lead	U		0.000051	0.0050	mg/L	1	4/30/2014 15:14
Manganese	**0.0010**	J	**0.000054**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Molybdenum	**0.026**		**0.000088**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Nickel	**0.00083**	J	**0.00025**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Selenium	U		0.00064	0.0050	mg/L	1	4/30/2014 15:14
Silver	**0.000081**	J	**0.000042**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Thallium	U		0.000062	0.0050	mg/L	1	4/30/2014 15:14
Vanadium	**0.00030**	J	**0.00016**	**0.0050**	**mg/L**	1	4/30/2014 15:14
Zinc	**0.0015**	J	**0.00048**	**0.010**	**mg/L**	1	4/30/2014 15:14
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:48
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 04:48
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:48
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 04:48
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 04:48
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 04:48
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 04:48
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 04:48
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 04:48
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 04:48
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 04:48
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 04:48
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 04:48
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 04:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-046
Collection Date: 4/21/2014 11:25 AM

Work Order: 14041179
Lab ID: 14041179-02
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 04:48
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 04:48
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 04:48
Acetone	U		3.0	50	µg/L	1	4/30/2014 04:48
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 04:48
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 04:48
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 04:48
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 04:48
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 04:48
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 04:48
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 04:48
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 04:48
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 04:48
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 04:48
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 04:48
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 04:48
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 04:48
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 04:48
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 04:48
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 04:48
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 04:48
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 04:48
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 04:48
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 04:48
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 04:48
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 04:48
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 04:48
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 04:48
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 04:48
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 04:48
Trichloroethene	**5.1**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 04:48
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 04:48
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 04:48
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 04:48
Surr: 1,2-Dichloroethane-d4	*101*			*75-120*	*%REC*	1	4/30/2014 04:48
Surr: 4-Bromofluorobenzene	*94.6*			*80-110*	*%REC*	1	4/30/2014 04:48
Surr: Dibromofluoromethane	*101*			*85-115*	*%REC*	1	4/30/2014 04:48
Surr: Toluene-d8	*98.5*			*85-110*	*%REC*	1	4/30/2014 04:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-047
Collection Date: 4/21/2014 12:30 PM

Work Order: 14041179
Lab ID: 14041179-03
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:13
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 05:13
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:13
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 05:13
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 05:13
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 05:13
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 05:13
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 05:13
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 05:13
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 05:13
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:13
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 05:13
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 05:13
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 05:13
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 05:13
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 05:13
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 05:13
Acetone	U		3.0	50	µg/L	1	4/30/2014 05:13
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 05:13
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 05:13
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 05:13
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 05:13
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 05:13
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 05:13
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 05:13
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 05:13
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 05:13
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 05:13
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 05:13
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 05:13
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 05:13
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 05:13
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 05:13
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 05:13
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 05:13
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 05:13
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 05:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-047
Collection Date: 4/21/2014 12:30 PM

Work Order: 14041179
Lab ID: 14041179-03
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 05:13
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 05:13
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 05:13
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 05:13
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 05:13
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 05:13
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 05:13
Trichloroethene	**30**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 05:13
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 05:13
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 05:13
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 05:13
Surr: 1,2-Dichloroethane-d4	*101*			*75-120*	*%REC*	1	4/30/2014 05:13
Surr: 4-Bromofluorobenzene	*94.4*			*80-110*	*%REC*	1	4/30/2014 05:13
Surr: Dibromofluoromethane	*98.6*			*85-115*	*%REC*	1	4/30/2014 05:13
Surr: Toluene-d8	*98.4*			*85-110*	*%REC*	1	4/30/2014 05:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-048
Collection Date: 4/21/2014 12:45 PM

Work Order: 14041179
Lab ID: 14041179-04
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:37
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 05:37
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:37
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 05:37
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 05:37
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 05:37
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 05:37
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 05:37
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 05:37
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 05:37
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 05:37
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 05:37
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 05:37
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 05:37
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 05:37
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 05:37
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 05:37
Acetone	U		3.0	50	µg/L	1	4/30/2014 05:37
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 05:37
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 05:37
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 05:37
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 05:37
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 05:37
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 05:37
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 05:37
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 05:37
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 05:37
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 05:37
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 05:37
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 05:37
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 05:37
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 05:37
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 05:37
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 05:37
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 05:37
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 05:37
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 05:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-048
Collection Date: 4/21/2014 12:45 PM

Work Order: 14041179
Lab ID: 14041179-04
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 05:37
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 05:37
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 05:37
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 05:37
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 05:37
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 05:37
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 05:37
Trichloroethene	**31**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 05:37
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 05:37
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 05:37
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 05:37
Surr: 1,2-Dichloroethane-d4	*100*			*75-120*	*%REC*	1	4/30/2014 05:37
Surr: 4-Bromofluorobenzene	*93.0*			*80-110*	*%REC*	1	4/30/2014 05:37
Surr: Dibromofluoromethane	*99.2*			*85-115*	*%REC*	1	4/30/2014 05:37
Surr: Toluene-d8	*99.0*			*85-110*	*%REC*	1	4/30/2014 05:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-049
Collection Date: 4/21/2014 01:44 PM

Work Order: 14041179
Lab ID: 14041179-05
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 17:55
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **ML**
BatchID: 57968							
Antimony	**0.00011**	J	**0.000036**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Arsenic	U		0.00058	0.0050	mg/L	1	4/30/2014 15:49
Barium	**0.055**		**0.000063**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Beryllium	U		0.000082	0.0020	mg/L	1	4/30/2014 15:49
Cadmium	**0.00015**	J	**0.000045**	**0.0020**	**mg/L**	1	4/30/2014 15:49
Chromium	U		0.00027	0.0050	mg/L	1	4/30/2014 15:49
Cobalt	**0.011**		**0.000041**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Copper	**0.0092**		**0.00053**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Lead	**0.00023**	J	**0.000051**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Manganese	**0.23**		**0.000054**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Molybdenum	**0.0072**		**0.000088**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Nickel	**0.0081**		**0.00025**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Selenium	U		0.00064	0.0050	mg/L	1	4/30/2014 15:49
Silver	U		0.000042	0.0050	mg/L	1	4/30/2014 15:49
Thallium	U		0.000062	0.0050	mg/L	1	4/30/2014 15:49
Vanadium	**0.00039**	J	**0.00016**	**0.0050**	**mg/L**	1	4/30/2014 15:49
Zinc	**0.0031**	J	**0.00048**	**0.010**	**mg/L**	1	4/30/2014 15:49
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:01
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 06:01
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:01
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 06:01
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 06:01
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:01
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 06:01
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 06:01
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 06:01
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 06:01
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:01
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 06:01
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:01
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-049
Collection Date: 4/21/2014 01:44 PM

Work Order: 14041179
Lab ID: 14041179-05
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 06:01
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 06:01
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 06:01
Acetone	U		3.0	50	µg/L	1	4/30/2014 06:01
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 06:01
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:01
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 06:01
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 06:01
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 06:01
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 06:01
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:01
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 06:01
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 06:01
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 06:01
cis-1,2-Dichloroethene	**2.5**		**0.10**	**1.0**	**µg/L**	1	4/30/2014 06:01
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 06:01
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 06:01
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 06:01
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 06:01
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:01
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 06:01
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 06:01
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 06:01
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 06:01
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 06:01
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 06:01
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 06:01
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 06:01
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:01
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 06:01
Trichloroethene	**5.4**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 06:01
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:01
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 06:01
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 06:01
Surr: 1,2-Dichloroethane-d4	*99.7*			*75-120*	*%REC*	1	4/30/2014 06:01
Surr: 4-Bromofluorobenzene	*94.8*			*80-110*	*%REC*	1	4/30/2014 06:01
Surr: Dibromofluoromethane	*99.2*			*85-115*	*%REC*	1	4/30/2014 06:01
Surr: Toluene-d8	*99.6*			*85-110*	*%REC*	1	4/30/2014 06:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-050
Collection Date: 4/21/2014 02:49 PM

Work Order: 14041179
Lab ID: 14041179-06
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:25
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 06:25
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:25
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 06:25
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 06:25
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:25
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 06:25
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 06:25
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 06:25
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 06:25
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:25
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 06:25
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:25
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:25
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 06:25
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 06:25
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 06:25
Acetone	U		3.0	50	µg/L	1	4/30/2014 06:25
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 06:25
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:25
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 06:25
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 06:25
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 06:25
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 06:25
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:25
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 06:25
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 06:25
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 06:25
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 06:25
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 06:25
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 06:25
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 06:25
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 06:25
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:25
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 06:25
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 06:25
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 06:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-050
Collection Date: 4/21/2014 02:49 PM

Work Order: 14041179
Lab ID: 14041179-06
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 06:25
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 06:25
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 06:25
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 06:25
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 06:25
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:25
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 06:25
Trichloroethene	**5.6**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 06:25
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:25
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 06:25
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 06:25
Surr: 1,2-Dichloroethane-d4	*99.7*			*75-120*	*%REC*	1	4/30/2014 06:25
Surr: 4-Bromofluorobenzene	*93.5*			*80-110*	*%REC*	1	4/30/2014 06:25
Surr: Dibromofluoromethane	*98.0*			*85-115*	*%REC*	1	4/30/2014 06:25
Surr: Toluene-d8	*98.7*			*85-110*	*%REC*	1	4/30/2014 06:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-051
Collection Date: 4/21/2014 04:12 PM

Work Order: 14041179
Lab ID: 14041179-07
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:50
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 06:50
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:50
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 06:50
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 06:50
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:50
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 06:50
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 06:50
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 06:50
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 06:50
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:50
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 06:50
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:50
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:50
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 06:50
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 06:50
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 06:50
Acetone	U		3.0	50	µg/L	1	4/30/2014 06:50
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 06:50
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:50
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 06:50
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 06:50
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 06:50
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 06:50
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:50
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 06:50
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 06:50
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 06:50
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 06:50
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 06:50
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 06:50
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 06:50
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 06:50
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:50
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 06:50
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 06:50
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 06:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-051
Collection Date: 4/21/2014 04:12 PM

Work Order: 14041179
Lab ID: 14041179-07
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 06:50
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 06:50
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 06:50
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 06:50
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 06:50
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:50
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 06:50
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 06:50
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:50
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 06:50
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 06:50
Surr: 1,2-Dichloroethane-d4	*102*			*75-120*	*%REC*	1	4/30/2014 06:50
Surr: 4-Bromofluorobenzene	*94.6*			*80-110*	*%REC*	1	4/30/2014 06:50
Surr: Dibromofluoromethane	*99.8*			*85-115*	*%REC*	1	4/30/2014 06:50
Surr: Toluene-d8	*101*			*85-110*	*%REC*	1	4/30/2014 06:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-052
Collection Date: 4/21/2014 04:51 PM

Work Order: 14041179
Lab ID: 14041179-08
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:14
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 07:14
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:14
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 07:14
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 07:14
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:14
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 07:14
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 07:14
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 07:14
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 07:14
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:14
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 07:14
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:14
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:14
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 07:14
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 07:14
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 07:14
Acetone	U		3.0	50	µg/L	1	4/30/2014 07:14
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 07:14
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:14
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 07:14
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 07:14
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 07:14
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 07:14
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:14
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 07:14
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 07:14
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 07:14
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 07:14
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 07:14
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 07:14
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 07:14
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 07:14
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:14
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 07:14
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 07:14
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 07:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042114-MR-052
Collection Date: 4/21/2014 04:51 PM

Work Order: 14041179
Lab ID: 14041179-08
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 07:14
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 07:14
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 07:14
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 07:14
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 07:14
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:14
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 07:14
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 07:14
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:14
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 07:14
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 07:14
Surr: 1,2-Dichloroethane-d4	*98.2*			*75-120*	*%REC*	1	4/30/2014 07:14
Surr: 4-Bromofluorobenzene	*94.0*			*80-110*	*%REC*	1	4/30/2014 07:14
Surr: Dibromofluoromethane	*97.2*			*85-115*	*%REC*	1	4/30/2014 07:14
Surr: Toluene-d8	*98.3*			*85-110*	*%REC*	1	4/30/2014 07:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-053
Collection Date: 4/22/2014 09:36 AM

Work Order: 14041179
Lab ID: 14041179-09
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 17:57
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **ML**
BatchID: 57968							
Antimony	**0.00010**	J	**0.000036**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Arsenic	U		0.00058	0.0050	mg/L	1	4/30/2014 15:56
Barium	**0.048**		**0.000063**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Beryllium	U		0.000082	0.0020	mg/L	1	4/30/2014 15:56
Cadmium	**0.00017**	J	**0.000045**	**0.0020**	**mg/L**	1	4/30/2014 15:56
Chromium	**0.0013**	J	**0.00027**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Cobalt	**0.0017**	J	**0.000041**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Copper	**0.0021**	J	**0.00053**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Lead	**0.00062**	J	**0.000051**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Manganese	**0.0011**	J	**0.000054**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Molybdenum	**0.0010**	J	**0.000088**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Nickel	**0.0025**	J	**0.00025**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Selenium	**0.00078**	J	**0.00064**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Silver	U		0.000042	0.0050	mg/L	1	4/30/2014 15:56
Thallium	U		0.000062	0.0050	mg/L	1	4/30/2014 15:56
Vanadium	**0.00043**	J	**0.00016**	**0.0050**	**mg/L**	1	4/30/2014 15:56
Zinc	**0.11**		**0.00048**	**0.010**	**mg/L**	1	4/30/2014 15:56
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:38
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 07:38
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:38
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 07:38
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 07:38
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:38
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 07:38
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 07:38
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 07:38
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 07:38
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:38
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 07:38
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:38
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-053
Collection Date: 4/22/2014 09:36 AM

Work Order: 14041179
Lab ID: 14041179-09
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 07:38
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 07:38
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 07:38
Acetone	U		3.0	50	µg/L	1	4/30/2014 07:38
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 07:38
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:38
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 07:38
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 07:38
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 07:38
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 07:38
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:38
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 07:38
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 07:38
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 07:38
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 07:38
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 07:38
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 07:38
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 07:38
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 07:38
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:38
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 07:38
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 07:38
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 07:38
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 07:38
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 07:38
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 07:38
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 07:38
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 07:38
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:38
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 07:38
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 07:38
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:38
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 07:38
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 07:38
Surr: 1,2-Dichloroethane-d4	*102*			*75-120*	*%REC*	1	4/30/2014 07:38
Surr: 4-Bromofluorobenzene	*93.6*			*80-110*	*%REC*	1	4/30/2014 07:38
Surr: Dibromofluoromethane	*99.2*			*85-115*	*%REC*	1	4/30/2014 07:38
Surr: Toluene-d8	*99.6*			*85-110*	*%REC*	1	4/30/2014 07:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-054
Collection Date: 4/22/2014 10:22 AM

Work Order: 14041179
Lab ID: 14041179-10
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:02
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 08:02
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:02
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 08:02
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 08:02
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:02
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 08:02
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 08:02
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 08:02
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 08:02
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:02
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 08:02
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:02
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:02
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 08:02
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 08:02
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 08:02
Acetone	U		3.0	50	µg/L	1	4/30/2014 08:02
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 08:02
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:02
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 08:02
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 08:02
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 08:02
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 08:02
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:02
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 08:02
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 08:02
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 08:02
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 08:02
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 08:02
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 08:02
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 08:02
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 08:02
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:02
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 08:02
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 08:02
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 08:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-054
Collection Date: 4/22/2014 10:22 AM

Work Order: 14041179
Lab ID: 14041179-10
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 08:02
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 08:02
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 08:02
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 08:02
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 08:02
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:02
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 08:02
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 08:02
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:02
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 08:02
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 08:02
Surr: 1,2-Dichloroethane-d4	*101*			*75-120*	*%REC*	1	4/30/2014 08:02
Surr: 4-Bromofluorobenzene	*93.4*			*80-110*	*%REC*	1	4/30/2014 08:02
Surr: Dibromofluoromethane	*99.0*			*85-115*	*%REC*	1	4/30/2014 08:02
Surr: Toluene-d8	*100*			*85-110*	*%REC*	1	4/30/2014 08:02

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-055
Collection Date: 4/22/2014 11:03 AM

Work Order: 14041179
Lab ID: 14041179-11
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:26
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 08:26
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:26
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 08:26
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 08:26
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:26
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 08:26
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 08:26
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 08:26
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 08:26
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:26
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 08:26
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:26
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:26
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 08:26
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 08:26
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 08:26
Acetone	U		3.0	50	µg/L	1	4/30/2014 08:26
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 08:26
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:26
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 08:26
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 08:26
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 08:26
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 08:26
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:26
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 08:26
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 08:26
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 08:26
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 08:26
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 08:26
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 08:26
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 08:26
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 08:26
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:26
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 08:26
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 08:26
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 08:26

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-055
Collection Date: 4/22/2014 11:03 AM

Work Order: 14041179
Lab ID: 14041179-11
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 08:26
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 08:26
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 08:26
Tetrachloroethene	**1.2**		**0.098**	**1.0**	**µg/L**	1	4/30/2014 08:26
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 08:26
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:26
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 08:26
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 08:26
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:26
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 08:26
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 08:26
Surr: 1,2-Dichloroethane-d4	*97.4*			*75-120*	*%REC*	1	4/30/2014 08:26
Surr: 4-Bromofluorobenzene	*93.6*			*80-110*	*%REC*	1	4/30/2014 08:26
Surr: Dibromofluoromethane	*98.3*			*85-115*	*%REC*	1	4/30/2014 08:26
Surr: Toluene-d8	*98.0*			*85-110*	*%REC*	1	4/30/2014 08:26

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-056
Collection Date: 4/22/2014 12:02 PM

Work Order: 14041179
Lab ID: 14041179-12
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 18:00
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **RH**
BatchID: 57969							
Antimony	U		0.000036	0.0050	mg/L	1	5/3/2014 05:11
Arsenic	**0.0054**		**0.00058**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Barium	**0.13**		**0.000063**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Beryllium	U		0.000082	0.0020	mg/L	1	5/3/2014 05:11
Cadmium	U		0.000045	0.0020	mg/L	1	5/3/2014 05:11
Chromium	U		0.00027	0.0050	mg/L	1	5/3/2014 05:11
Cobalt	**0.00050**	J	**0.000041**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Copper	U		0.00053	0.0050	mg/L	1	5/3/2014 05:11
Lead	U		0.000051	0.0050	mg/L	1	5/3/2014 05:11
Manganese	**0.070**		**0.000054**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Molybdenum	**0.00051**	J	**0.000088**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Nickel	**0.0036**	J	**0.00025**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Selenium	U		0.00064	0.0050	mg/L	1	5/3/2014 05:11
Silver	U		0.000042	0.0050	mg/L	1	5/3/2014 05:11
Thallium	U		0.000062	0.0050	mg/L	1	5/3/2014 05:11
Vanadium	**0.00018**	J	**0.00016**	**0.0050**	**mg/L**	1	5/3/2014 05:11
Zinc	**0.00059**	J	**0.00048**	**0.010**	**mg/L**	1	5/3/2014 05:11
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:50
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 08:50
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:50
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 08:50
1,1-Dichloroethane	**1.5**		**0.14**	**1.0**	**µg/L**	1	4/30/2014 08:50
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:50
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 08:50
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 08:50
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 08:50
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 08:50
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:50
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 08:50
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:50
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-056
Collection Date: 4/22/2014 12:02 PM

Work Order: 14041179
Lab ID: 14041179-12
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 08:50
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 08:50
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 08:50
Acetone	U		3.0	50	µg/L	1	4/30/2014 08:50
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 08:50
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:50
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 08:50
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 08:50
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 08:50
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 08:50
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:50
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 08:50
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 08:50
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 08:50
cis-1,2-Dichloroethene	**18**		**0.10**	**1.0**	**µg/L**	1	4/30/2014 08:50
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 08:50
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 08:50
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 08:50
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 08:50
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:50
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 08:50
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 08:50
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 08:50
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 08:50
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 08:50
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 08:50
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 08:50
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 08:50
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:50
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 08:50
Trichloroethene	**3.5**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 08:50
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:50
Vinyl chloride	**14**		**0.15**	**1.0**	**µg/L**	1	4/30/2014 08:50
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 08:50
Surr: 1,2-Dichloroethane-d4	*98.0*			*75-120*	*%REC*	1	4/30/2014 08:50
Surr: 4-Bromofluorobenzene	*93.2*			*80-110*	*%REC*	1	4/30/2014 08:50
Surr: Dibromofluoromethane	*98.8*			*85-115*	*%REC*	1	4/30/2014 08:50
Surr: Toluene-d8	*100*			*85-110*	*%REC*	1	4/30/2014 08:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-057
Collection Date: 4/22/2014 12:46 PM

Work Order: 14041179
Lab ID: 14041179-13
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 18:09
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **RH**
BatchID: 57969							
Antimony	**0.000078**	J	**0.000036**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Arsenic	U		0.00058	0.0050	mg/L	1	5/3/2014 05:17
Barium	**0.054**		**0.000063**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Beryllium	U		0.000082	0.0020	mg/L	1	5/3/2014 05:17
Cadmium	U		0.000045	0.0020	mg/L	1	5/3/2014 05:17
Chromium	**0.010**		**0.00027**	**0.0050**	**mg/L**	1	5/3/2014 20:42
Cobalt	**0.0048**	J	**0.000041**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Copper	**0.0024**	J	**0.00053**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Lead	**0.00034**	J	**0.000051**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Manganese	**0.061**		**0.000054**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Molybdenum	**0.0021**	J	**0.000088**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Nickel	**0.0054**		**0.00025**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Selenium	**0.0014**	J	**0.00064**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Silver	U		0.000042	0.0050	mg/L	1	5/3/2014 05:17
Thallium	U		0.000062	0.0050	mg/L	1	5/3/2014 05:17
Vanadium	**0.00023**	J	**0.00016**	**0.0050**	**mg/L**	1	5/3/2014 05:17
Zinc	**0.0041**	J	**0.00048**	**0.010**	**mg/L**	1	5/3/2014 05:17
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:15
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 09:15
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:15
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 09:15
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 09:15
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 09:15
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 09:15
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 09:15
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 09:15
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 09:15
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:15
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 09:15
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 09:15
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 09:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-057
Collection Date: 4/22/2014 12:46 PM

Work Order: 14041179
Lab ID: 14041179-13
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 09:15
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 09:15
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 09:15
Acetone	U		3.0	50	µg/L	1	4/30/2014 09:15
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 09:15
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 09:15
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 09:15
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 09:15
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 09:15
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 09:15
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 09:15
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 09:15
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 09:15
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 09:15
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 09:15
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 09:15
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 09:15
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 09:15
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 09:15
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 09:15
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 09:15
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 09:15
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 09:15
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 09:15
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 09:15
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 09:15
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 09:15
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 09:15
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 09:15
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 09:15
Trichloroethene	**14**		**0.16**	**1.0**	**µg/L**	1	4/30/2014 09:15
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 09:15
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 09:15
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 09:15
Surr: 1,2-Dichloroethane-d4	*98.5*			*75-120*	*%REC*	1	4/30/2014 09:15
Surr: 4-Bromofluorobenzene	*92.8*			*80-110*	*%REC*	1	4/30/2014 09:15
Surr: Dibromofluoromethane	*96.8*			*85-115*	*%REC*	1	4/30/2014 09:15
Surr: Toluene-d8	*99.0*			*85-110*	*%REC*	1	4/30/2014 09:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-058
Collection Date: 4/22/2014 01:20 PM

Work Order: 14041179
Lab ID: 14041179-14
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139844							
1,1,1-Trichloroethane	U		0.56	5.0	µg/L	5	4/30/2014 21:39
1,1,2,2-Tetrachloroethane	U		1.1	5.0	µg/L	5	4/30/2014 21:39
1,1,2-Trichloroethane	U		0.57	5.0	µg/L	5	4/30/2014 21:39
1,1,2-Trichlorotrifluoroethane	U		2.0	5.0	µg/L	5	4/30/2014 21:39
1,1-Dichloroethane	U		0.70	5.0	µg/L	5	4/30/2014 21:39
1,1-Dichloroethene	U		0.58	5.0	µg/L	5	4/30/2014 21:39
1,2,4-Trichlorobenzene	U		0.48	25	µg/L	5	4/30/2014 21:39
1,2-Dibromo-3-chloropropane	U		1.8	5.0	µg/L	5	4/30/2014 21:39
1,2-Dibromoethane	U		0.69	5.0	µg/L	5	4/30/2014 21:39
1,2-Dichlorobenzene	U		0.83	5.0	µg/L	5	4/30/2014 21:39
1,2-Dichloroethane	U		0.54	5.0	µg/L	5	4/30/2014 21:39
1,2-Dichloropropane	U		0.62	5.0	µg/L	5	4/30/2014 21:39
1,3-Dichlorobenzene	U		0.74	5.0	µg/L	5	4/30/2014 21:39
1,4-Dichlorobenzene	U		0.74	5.0	µg/L	5	4/30/2014 21:39
2-Butanone	U		3.2	120	µg/L	5	4/30/2014 21:39
2-Hexanone	U		0.97	250	µg/L	5	4/30/2014 21:39
4-Methyl-2-pentanone	U		0.99	250	µg/L	5	4/30/2014 21:39
Acetone	U		15	250	µg/L	5	4/30/2014 21:39
Benzene	**6.0**		**0.72**	**5.0**	**µg/L**	5	4/30/2014 21:39
Bromodichloromethane	U		1.1	5.0	µg/L	5	4/30/2014 21:39
Bromoform	U		0.88	5.0	µg/L	5	4/30/2014 21:39
Bromomethane	U		1.9	25	µg/L	5	4/30/2014 21:39
Carbon disulfide	U		1.3	25	µg/L	5	4/30/2014 21:39
Carbon tetrachloride	U		0.82	5.0	µg/L	5	4/30/2014 21:39
Chlorobenzene	U		0.60	5.0	µg/L	5	4/30/2014 21:39
Chloroethane	U		1.2	25	µg/L	5	4/30/2014 21:39
Chloroform	U		0.74	5.0	µg/L	5	4/30/2014 21:39
Chloromethane	U		1.4	25	µg/L	5	4/30/2014 21:39
cis-1,2-Dichloroethene	U		0.51	5.0	µg/L	5	4/30/2014 21:39
cis-1,3-Dichloropropene	U		0.48	5.0	µg/L	5	4/30/2014 21:39
Cyclohexane	U		1.0	5.0	µg/L	5	4/30/2014 21:39
Dibromochloromethane	U		0.60	25	µg/L	5	4/30/2014 21:39
Dichlorodifluoromethane	U		0.92	25	µg/L	5	4/30/2014 21:39
Ethylbenzene	**2.6**	J	**0.62**	**5.0**	**µg/L**	5	4/30/2014 21:39
Isopropylbenzene	U		0.56	25	µg/L	5	4/30/2014 21:39
Methyl acetate	**12**	J	**3.8**	**50**	**µg/L**	5	4/30/2014 21:39
Methyl tert-butyl ether	U		1.4	25	µg/L	5	4/30/2014 21:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-058
Collection Date: 4/22/2014 01:20 PM

Work Order: 14041179
Lab ID: 14041179-14
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.94	5.0	µg/L	5	4/30/2014 21:39
Methylene chloride	U		3.7	25	µg/L	5	4/30/2014 21:39
Styrene	U		0.60	5.0	µg/L	5	4/30/2014 21:39
Tetrachloroethene	U		0.49	5.0	µg/L	5	4/30/2014 21:39
Toluene	**6.5**		**0.64**	**5.0**	**µg/L**	5	4/30/2014 21:39
trans-1,2-Dichloroethene	U		0.58	5.0	µg/L	5	4/30/2014 21:39
trans-1,3-Dichloropropene	U		0.46	5.0	µg/L	5	4/30/2014 21:39
Trichloroethene	U		0.78	5.0	µg/L	5	4/30/2014 21:39
Trichlorofluoromethane	U		1.1	5.0	µg/L	5	4/30/2014 21:39
Vinyl chloride	U		0.76	5.0	µg/L	5	4/30/2014 21:39
Xylenes, Total	**9.2**	J	**1.5**	**15**	**µg/L**	5	4/30/2014 21:39
Surr: 1,2-Dichloroethane-d4	*94.9*			*75-120*	*%REC*	5	4/30/2014 21:39
Surr: 4-Bromofluorobenzene	*91.7*			*80-110*	*%REC*	5	4/30/2014 21:39
Surr: Dibromofluoromethane	*99.1*			*85-115*	*%REC*	5	4/30/2014 21:39
Surr: Toluene-d8	*96.3*			*85-110*	*%REC*	5	4/30/2014 21:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-059
Collection Date: 4/22/2014 02:33 PM

Work Order: 14041179
Lab ID: 14041179-15
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.95	50	µg/L	10	4/29/2014 10:03
2,4,5-Trichlorophenol	U		2.5	50	µg/L	10	4/29/2014 10:03
2,4,6-Trichlorophenol	U		2.7	50	µg/L	10	4/29/2014 10:03
2,4-Dichlorophenol	U		2.2	100	µg/L	10	4/29/2014 10:03
2,4-Dimethylphenol	U		18	50	µg/L	10	4/29/2014 10:03
2,4-Dinitrophenol	U		6.7	50	µg/L	10	4/29/2014 10:03
2,4-Dinitrotoluene	U		2.7	50	µg/L	10	4/29/2014 10:03
2,6-Dinitrotoluene	U		2.3	50	µg/L	10	4/29/2014 10:03
2-Chloronaphthalene	U		1.3	50	µg/L	10	4/29/2014 10:03
2-Chlorophenol	U		3.2	50	µg/L	10	4/29/2014 10:03
2-Methylnaphthalene	U		1.3	50	µg/L	10	4/29/2014 10:03
2-Methylphenol	U		2.0	50	µg/L	10	4/29/2014 10:03
2-Nitroaniline	U		3.4	200	µg/L	10	4/29/2014 10:03
2-Nitrophenol	U		2.8	50	µg/L	10	4/29/2014 10:03
3,3´-Dichlorobenzidine	U		39	50	µg/L	10	4/29/2014 10:03
3-Nitroaniline	U		3.4	200	µg/L	10	4/29/2014 10:03
4,6-Dinitro-2-methylphenol	U		12	200	µg/L	10	4/29/2014 10:03
4-Bromophenyl phenyl ether	U		2.3	50	µg/L	10	4/29/2014 10:03
4-Chloro-3-methylphenol	U		3.1	50	µg/L	10	4/29/2014 10:03
4-Chloroaniline	U		3.2	200	µg/L	10	4/29/2014 10:03
4-Chlorophenyl phenyl ether	U		2.3	50	µg/L	10	4/29/2014 10:03
4-Methylphenol	U		2.0	50	µg/L	10	4/29/2014 10:03
4-Nitroaniline	U		3.0	200	µg/L	10	4/29/2014 10:03
4-Nitrophenol	U		5.1	200	µg/L	10	4/29/2014 10:03
Acenaphthene	U		1.1	50	µg/L	10	4/29/2014 10:03
Acenaphthylene	U		1.2	50	µg/L	10	4/29/2014 10:03
Acetophenone	U		0.90	10	µg/L	10	4/29/2014 10:03
Anthracene	U		7.2	50	µg/L	10	4/29/2014 10:03
Atrazine	U		1.3	10	µg/L	10	4/29/2014 10:03
Benzaldehyde	U		4.6	10	µg/L	10	4/29/2014 10:03
Benzo(a)anthracene	U		5.7	50	µg/L	10	4/29/2014 10:03
Benzo(a)pyrene	U		1.0	50	µg/L	10	4/29/2014 10:03
Benzo(b)fluoranthene	U		7.4	50	µg/L	10	4/29/2014 10:03
Benzo(g,h,i)perylene	U		7.0	50	µg/L	10	4/29/2014 10:03
Benzo(k)fluoranthene	U		1.7	50	µg/L	10	4/29/2014 10:03
Bis(2-chloroethoxy)methane	U		3.3	50	µg/L	10	4/29/2014 10:03
Bis(2-chloroethyl)ether	U		3.4	50	µg/L	10	4/29/2014 10:03

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-059
Collection Date: 4/22/2014 02:33 PM

Work Order: 14041179
Lab ID: 14041179-15
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bis(2-chloroisopropyl)ether	U		3.2	50	µg/L	10	4/29/2014 10:03
Bis(2-ethylhexyl)phthalate	U		1.5	50	µg/L	10	4/29/2014 10:03
Butyl benzyl phthalate	U		1.0	50	µg/L	10	4/29/2014 10:03
Caprolactam	U		47	100	µg/L	10	4/29/2014 10:03
Carbazole	U		1.6	100	µg/L	10	4/29/2014 10:03
Chrysene	U		7.1	50	µg/L	10	4/29/2014 10:03
Dibenzo(a,h)anthracene	U		6.7	50	µg/L	10	4/29/2014 10:03
Dibenzofuran	U		2.8	50	µg/L	10	4/29/2014 10:03
Diethyl phthalate	**4.8**	J	**2.4**	**200**	**µg/L**	10	4/29/2014 10:03
Dimethyl phthalate	U		2.7	200	µg/L	10	4/29/2014 10:03
Di-n-butyl phthalate	U		1.4	50	µg/L	10	4/29/2014 10:03
Di-n-octyl phthalate	U		1.2	50	µg/L	10	4/29/2014 10:03
Fluoranthene	U		7.7	50	µg/L	10	4/29/2014 10:03
Fluorene	**2.8**	J	**1.0**	**50**	**µg/L**	10	4/29/2014 10:03
Hexachlorobenzene	U		2.2	50	µg/L	10	4/29/2014 10:03
Hexachlorobutadiene	U		2.4	50	µg/L	10	4/29/2014 10:03
Hexachlorocyclopentadiene	U		1.8	200	µg/L	10	4/29/2014 10:03
Hexachloroethane	U		4.7	50	µg/L	10	4/29/2014 10:03
Indeno(1,2,3-cd)pyrene	U		6.9	50	µg/L	10	4/29/2014 10:03
Isophorone	U		3.0	50	µg/L	10	4/29/2014 10:03
Naphthalene	**8.0**	J	**1.2**	**50**	**µg/L**	10	4/29/2014 10:03
Nitrobenzene	U		3.3	50	µg/L	10	4/29/2014 10:03
N-Nitrosodi-n-propylamine	U		3.2	50	µg/L	10	4/29/2014 10:03
N-Nitrosodiphenylamine	U		8.1	50	µg/L	10	4/29/2014 10:03
Pentachlorophenol	**61**	J	**2.2**	**200**	**µg/L**	10	4/29/2014 10:03
Phenanthrene	U		8.6	50	µg/L	10	4/29/2014 10:03
Phenol	U		3.2	50	µg/L	10	4/29/2014 10:03
Pyrene	U		6.5	50	µg/L	10	4/29/2014 10:03
Surr: 2,4,6-Tribromophenol	*103*			*32-115*	*%REC*	10	4/29/2014 10:03
Surr: 2-Fluorobiphenyl	*57.2*			*32-100*	*%REC*	10	4/29/2014 10:03
Surr: 2-Fluorophenol	*24.0*			*22-59*	*%REC*	10	4/29/2014 10:03
Surr: 4-Terphenyl-d14	*59.4*			*23-112*	*%REC*	10	4/29/2014 10:03
Surr: Nitrobenzene-d5	*65.2*			*31-93*	*%REC*	10	4/29/2014 10:03
Surr: Phenol-d6	*4.20*	S		*13-36*	*%REC*	10	4/29/2014 10:03
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139844							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:48
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 20:48
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-059
Collection Date: 4/22/2014 02:33 PM

Work Order: 14041179
Lab ID: 14041179-15
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 20:48
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 20:48
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 20:48
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 20:48
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 20:48
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 20:48
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 20:48
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:48
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 20:48
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 20:48
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 20:48
2-Butanone	**4.0**	J	**0.64**	**25**	**µg/L**	1	4/30/2014 20:48
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 20:48
4-Methyl-2-pentanone	**5.5**	J	**0.20**	**50**	**µg/L**	1	4/30/2014 20:48
Acetone	**35**	J	**3.0**	**50**	**µg/L**	1	4/30/2014 20:48
Benzene	**0.37**	J	**0.14**	**1.0**	**µg/L**	1	4/30/2014 20:48
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 20:48
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 20:48
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 20:48
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 20:48
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 20:48
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 20:48
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 20:48
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 20:48
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 20:48
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 20:48
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 20:48
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 20:48
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 20:48
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 20:48
Ethylbenzene	**2.2**		**0.12**	**1.0**	**µg/L**	1	4/30/2014 20:48
Isopropylbenzene	**2.6**	J	**0.11**	**5.0**	**µg/L**	1	4/30/2014 20:48
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 20:48
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 20:48
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 20:48
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 20:48
Styrene	**0.68**	J	**0.12**	**1.0**	**µg/L**	1	4/30/2014 20:48
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 20:48
Toluene	**0.53**	J	**0.13**	**1.0**	**µg/L**	1	4/30/2014 20:48
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 20:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-059
Collection Date: 4/22/2014 02:33 PM

Work Order: 14041179
Lab ID: 14041179-15
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 20:48
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 20:48
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 20:48
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 20:48
Xylenes, Total	**3.0**		**0.30**	**3.0**	**µg/L**	1	4/30/2014 20:48
Surr: 1,2-Dichloroethane-d4	*96.6*			*75-120*	*%REC*	1	4/30/2014 20:48
Surr: 4-Bromofluorobenzene	*94.7*			*80-110*	*%REC*	1	4/30/2014 20:48
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	1	4/30/2014 20:48
Surr: Toluene-d8	*94.0*			*85-110*	*%REC*	1	4/30/2014 20:48

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-060
Collection Date: 4/22/2014 02:53 PM

Work Order: 14041179
Lab ID: 14041179-16
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.95	50	µg/L	10	4/29/2014 10:35
2,4,5-Trichlorophenol	U		2.5	50	µg/L	10	4/29/2014 10:35
2,4,6-Trichlorophenol	U		2.7	50	µg/L	10	4/29/2014 10:35
2,4-Dichlorophenol	U		2.2	100	µg/L	10	4/29/2014 10:35
2,4-Dimethylphenol	U		18	50	µg/L	10	4/29/2014 10:35
2,4-Dinitrophenol	U		6.7	50	µg/L	10	4/29/2014 10:35
2,4-Dinitrotoluene	U		2.7	50	µg/L	10	4/29/2014 10:35
2,6-Dinitrotoluene	U		2.3	50	µg/L	10	4/29/2014 10:35
2-Chloronaphthalene	U		1.3	50	µg/L	10	4/29/2014 10:35
2-Chlorophenol	U		3.2	50	µg/L	10	4/29/2014 10:35
2-Methylnaphthalene	U		1.3	50	µg/L	10	4/29/2014 10:35
2-Methylphenol	U		2.0	50	µg/L	10	4/29/2014 10:35
2-Nitroaniline	U		3.4	200	µg/L	10	4/29/2014 10:35
2-Nitrophenol	U		2.8	50	µg/L	10	4/29/2014 10:35
3,3´-Dichlorobenzidine	U		39	50	µg/L	10	4/29/2014 10:35
3-Nitroaniline	U		3.4	200	µg/L	10	4/29/2014 10:35
4,6-Dinitro-2-methylphenol	U		12	200	µg/L	10	4/29/2014 10:35
4-Bromophenyl phenyl ether	U		2.3	50	µg/L	10	4/29/2014 10:35
4-Chloro-3-methylphenol	U		3.1	50	µg/L	10	4/29/2014 10:35
4-Chloroaniline	U		3.2	200	µg/L	10	4/29/2014 10:35
4-Chlorophenyl phenyl ether	U		2.3	50	µg/L	10	4/29/2014 10:35
4-Methylphenol	U		2.0	50	µg/L	10	4/29/2014 10:35
4-Nitroaniline	U		3.0	200	µg/L	10	4/29/2014 10:35
4-Nitrophenol	U		5.1	200	µg/L	10	4/29/2014 10:35
Acenaphthene	U		1.1	50	µg/L	10	4/29/2014 10:35
Acenaphthylene	U		1.2	50	µg/L	10	4/29/2014 10:35
Acetophenone	U		0.90	10	µg/L	10	4/29/2014 10:35
Anthracene	U		7.2	50	µg/L	10	4/29/2014 10:35
Atrazine	U		1.3	10	µg/L	10	4/29/2014 10:35
Benzaldehyde	U		4.6	10	µg/L	10	4/29/2014 10:35
Benzo(a)anthracene	U		5.7	50	µg/L	10	4/29/2014 10:35
Benzo(a)pyrene	U		1.0	50	µg/L	10	4/29/2014 10:35
Benzo(b)fluoranthene	U		7.4	50	µg/L	10	4/29/2014 10:35
Benzo(g,h,i)perylene	U		7.0	50	µg/L	10	4/29/2014 10:35
Benzo(k)fluoranthene	U		1.7	50	µg/L	10	4/29/2014 10:35
Bis(2-chloroethoxy)methane	U		3.3	50	µg/L	10	4/29/2014 10:35
Bis(2-chloroethyl)ether	U		3.4	50	µg/L	10	4/29/2014 10:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-060
Collection Date: 4/22/2014 02:53 PM

Work Order: 14041179
Lab ID: 14041179-16
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bis(2-chloroisopropyl)ether	U		3.2	50	µg/L	10	4/29/2014 10:35
Bis(2-ethylhexyl)phthalate	U		1.5	50	µg/L	10	4/29/2014 10:35
Butyl benzyl phthalate	U		1.0	50	µg/L	10	4/29/2014 10:35
Caprolactam	U		47	100	µg/L	10	4/29/2014 10:35
Carbazole	U		1.6	100	µg/L	10	4/29/2014 10:35
Chrysene	U		7.1	50	µg/L	10	4/29/2014 10:35
Dibenzo(a,h)anthracene	U		6.7	50	µg/L	10	4/29/2014 10:35
Dibenzofuran	U		2.8	50	µg/L	10	4/29/2014 10:35
Diethyl phthalate	U		2.4	200	µg/L	10	4/29/2014 10:35
Dimethyl phthalate	U		2.7	200	µg/L	10	4/29/2014 10:35
Di-n-butyl phthalate	U		1.4	50	µg/L	10	4/29/2014 10:35
Di-n-octyl phthalate	U		1.2	50	µg/L	10	4/29/2014 10:35
Fluoranthene	U		7.7	50	µg/L	10	4/29/2014 10:35
Fluorene	**3.3**	J	**1.0**	**50**	**µg/L**	10	4/29/2014 10:35
Hexachlorobenzene	U		2.2	50	µg/L	10	4/29/2014 10:35
Hexachlorobutadiene	U		2.4	50	µg/L	10	4/29/2014 10:35
Hexachlorocyclopentadiene	U		1.8	200	µg/L	10	4/29/2014 10:35
Hexachloroethane	U		4.7	50	µg/L	10	4/29/2014 10:35
Indeno(1,2,3-cd)pyrene	U		6.9	50	µg/L	10	4/29/2014 10:35
Isophorone	U		3.0	50	µg/L	10	4/29/2014 10:35
Naphthalene	**7.8**	J	**1.2**	**50**	**µg/L**	10	4/29/2014 10:35
Nitrobenzene	U		3.3	50	µg/L	10	4/29/2014 10:35
N-Nitrosodi-n-propylamine	U		3.2	50	µg/L	10	4/29/2014 10:35
N-Nitrosodiphenylamine	U		8.1	50	µg/L	10	4/29/2014 10:35
Pentachlorophenol	U		2.2	200	µg/L	10	4/29/2014 10:35
Phenanthrene	U		8.6	50	µg/L	10	4/29/2014 10:35
Phenol	U		3.2	50	µg/L	10	4/29/2014 10:35
Pyrene	U		6.5	50	µg/L	10	4/29/2014 10:35
Surr: 2,4,6-Tribromophenol	*109*			*32-115*	*%REC*	10	4/29/2014 10:35
Surr: 2-Fluorobiphenyl	*63.2*			*32-100*	*%REC*	10	4/29/2014 10:35
Surr: 2-Fluorophenol	*30.2*			*22-59*	*%REC*	10	4/29/2014 10:35
Surr: 4-Terphenyl-d14	*77.0*			*23-112*	*%REC*	10	4/29/2014 10:35
Surr: Nitrobenzene-d5	*61.4*			*31-93*	*%REC*	10	4/29/2014 10:35
Surr: Phenol-d6	*7.40*	S		*13-36*	*%REC*	10	4/29/2014 10:35
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139844							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:21
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 20:21
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-060
Collection Date: 4/22/2014 02:53 PM

Work Order: 14041179
Lab ID: 14041179-16
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 20:21
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 20:21
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 20:21
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 20:21
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 20:21
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 20:21
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 20:21
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 20:21
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 20:21
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 20:21
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 20:21
2-Butanone	**3.5**	J	**0.64**	**25**	**µg/L**	1	4/30/2014 20:21
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 20:21
4-Methyl-2-pentanone	**5.4**	J	**0.20**	**50**	**µg/L**	1	4/30/2014 20:21
Acetone	**31**	J	**3.0**	**50**	**µg/L**	1	4/30/2014 20:21
Benzene	**0.37**	J	**0.14**	**1.0**	**µg/L**	1	4/30/2014 20:21
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 20:21
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 20:21
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 20:21
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 20:21
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 20:21
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 20:21
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 20:21
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 20:21
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 20:21
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 20:21
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 20:21
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 20:21
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 20:21
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 20:21
Ethylbenzene	**2.2**		**0.12**	**1.0**	**µg/L**	1	4/30/2014 20:21
Isopropylbenzene	**2.7**	J	**0.11**	**5.0**	**µg/L**	1	4/30/2014 20:21
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 20:21
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 20:21
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 20:21
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 20:21
Styrene	**0.91**	J	**0.12**	**1.0**	**µg/L**	1	4/30/2014 20:21
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 20:21
Toluene	**0.54**	J	**0.13**	**1.0**	**µg/L**	1	4/30/2014 20:21
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 20:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-060
Collection Date: 4/22/2014 02:53 PM

Work Order: 14041179
Lab ID: 14041179-16
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 20:21
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 20:21
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 20:21
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 20:21
Xylenes, Total	**3.1**		**0.30**	**3.0**	**µg/L**	1	4/30/2014 20:21
Surr: 1,2-Dichloroethane-d4	*97.0*			*75-120*	*%REC*	1	4/30/2014 20:21
Surr: 4-Bromofluorobenzene	*94.4*			*80-110*	*%REC*	1	4/30/2014 20:21
Surr: Dibromofluoromethane	*99.6*			*85-115*	*%REC*	1	4/30/2014 20:21
Surr: Toluene-d8	*94.2*			*85-110*	*%REC*	1	4/30/2014 20:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-061
Collection Date: 4/22/2014 03:28 PM

Work Order: 14041179
Lab ID: 14041179-17
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/28/2014 20:10
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/28/2014 20:10
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/28/2014 20:10
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/28/2014 20:10
2,4-Dimethylphenol	U		1.8	5.0	µg/L	1	4/28/2014 20:10
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/28/2014 20:10
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/28/2014 20:10
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/28/2014 20:10
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:10
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/28/2014 20:10
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:10
2-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:10
2-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:10
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/28/2014 20:10
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/28/2014 20:10
3-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:10
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/28/2014 20:10
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:10
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/28/2014 20:10
4-Chloroaniline	U		0.32	20	µg/L	1	4/28/2014 20:10
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:10
4-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:10
4-Nitroaniline	U		0.30	20	µg/L	1	4/28/2014 20:10
4-Nitrophenol	U		0.51	20	µg/L	1	4/28/2014 20:10
Acenaphthene	U		0.11	5.0	µg/L	1	4/28/2014 20:10
Acenaphthylene	U		0.12	5.0	µg/L	1	4/28/2014 20:10
Acetophenone	U		0.090	1.0	µg/L	1	4/28/2014 20:10
Anthracene	U		0.72	5.0	µg/L	1	4/28/2014 20:10
Atrazine	U		0.13	1.0	µg/L	1	4/28/2014 20:10
Benzaldehyde	U		0.46	1.0	µg/L	1	4/28/2014 20:10
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/28/2014 20:10
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/28/2014 20:10
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/28/2014 20:10
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/28/2014 20:10
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/28/2014 20:10
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/28/2014 20:10
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/28/2014 20:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-061
Collection Date: 4/22/2014 03:28 PM

Work Order: 14041179
Lab ID: 14041179-17
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/28/2014 20:10
Bis(2-ethylhexyl)phthalate	U		0.15	5.0	µg/L	1	4/28/2014 20:10
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/28/2014 20:10
Caprolactam	U		4.7	10	µg/L	1	4/28/2014 20:10
Carbazole	U		0.16	10	µg/L	1	4/28/2014 20:10
Chrysene	U		0.71	5.0	µg/L	1	4/28/2014 20:10
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/28/2014 20:10
Dibenzofuran	U		0.28	5.0	µg/L	1	4/28/2014 20:10
Diethyl phthalate	U		0.24	20	µg/L	1	4/28/2014 20:10
Dimethyl phthalate	U		0.27	20	µg/L	1	4/28/2014 20:10
Di-n-butyl phthalate	U		0.14	5.0	µg/L	1	4/28/2014 20:10
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/28/2014 20:10
Fluoranthene	U		0.77	5.0	µg/L	1	4/28/2014 20:10
Fluorene	U		0.10	5.0	µg/L	1	4/28/2014 20:10
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/28/2014 20:10
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/28/2014 20:10
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/28/2014 20:10
Hexachloroethane	U		0.47	5.0	µg/L	1	4/28/2014 20:10
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/28/2014 20:10
Isophorone	**0.51**	J	**0.30**	**5.0**	**µg/L**	1	4/28/2014 20:10
Naphthalene	U		0.12	5.0	µg/L	1	4/28/2014 20:10
Nitrobenzene	U		0.33	5.0	µg/L	1	4/28/2014 20:10
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/28/2014 20:10
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/28/2014 20:10
Pentachlorophenol	U		0.22	20	µg/L	1	4/28/2014 20:10
Phenanthrene	U		0.86	5.0	µg/L	1	4/28/2014 20:10
Phenol	U		0.32	5.0	µg/L	1	4/28/2014 20:10
Pyrene	U		0.65	5.0	µg/L	1	4/28/2014 20:10
Surr: 2,4,6-Tribromophenol	*64.1*			*32-115*	*%REC*	1	4/28/2014 20:10
Surr: 2-Fluorobiphenyl	*67.4*			*32-100*	*%REC*	1	4/28/2014 20:10
Surr: 2-Fluorophenol	*22.6*			*22-59*	*%REC*	1	4/28/2014 20:10
Surr: 4-Terphenyl-d14	*87.8*			*23-112*	*%REC*	1	4/28/2014 20:10
Surr: Nitrobenzene-d5	*51.8*			*31-93*	*%REC*	1	4/28/2014 20:10
Surr: Phenol-d6	*5.36*	S		*13-36*	*%REC*	1	4/28/2014 20:10
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139810							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:16
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 06:16
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-061
Collection Date: 4/22/2014 03:28 PM

Work Order: 14041179
Lab ID: 14041179-17
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 06:16
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 06:16
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:16
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 06:16
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 06:16
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 06:16
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 06:16
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 06:16
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 06:16
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:16
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 06:16
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 06:16
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 06:16
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 06:16
Acetone	**4.4**	J	**3.0**	**50**	**µg/L**	1	4/30/2014 06:16
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 06:16
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:16
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 06:16
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 06:16
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 06:16
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 06:16
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:16
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 06:16
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 06:16
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 06:16
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 06:16
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 06:16
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 06:16
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 06:16
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 06:16
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 06:16
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 06:16
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 06:16
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 06:16
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 06:16
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 06:16
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 06:16
Tetrachloroethene	**2.7**		**0.098**	**1.0**	**µg/L**	1	4/30/2014 06:16
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 06:16
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 06:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042214-MR-061
Collection Date: 4/22/2014 03:28 PM

Work Order: 14041179
Lab ID: 14041179-17
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 06:16
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 06:16
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 06:16
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 06:16
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 06:16
Surr: 1,2-Dichloroethane-d4	*95.8*			*75-120*	*%REC*	1	4/30/2014 06:16
Surr: 4-Bromofluorobenzene	*91.0*			*80-110*	*%REC*	1	4/30/2014 06:16
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	1	4/30/2014 06:16
Surr: Toluene-d8	*95.8*			*85-110*	*%REC*	1	4/30/2014 06:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-062
Collection Date: 4/23/2014 09:45 AM

Work Order: 14041179
Lab ID: 14041179-18
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/29/2014 18:12
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/29/2014 18:12
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/29/2014 18:12
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/29/2014 18:12
2,4-Dimethylphenol	U		1.8	5.0	µg/L	1	4/29/2014 18:12
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/29/2014 18:12
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/29/2014 18:12
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/29/2014 18:12
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/29/2014 18:12
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/29/2014 18:12
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/29/2014 18:12
2-Methylphenol	U		0.20	5.0	µg/L	1	4/29/2014 18:12
2-Nitroaniline	U		0.34	20	µg/L	1	4/29/2014 18:12
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/29/2014 18:12
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/29/2014 18:12
3-Nitroaniline	U		0.34	20	µg/L	1	4/29/2014 18:12
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/29/2014 18:12
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/29/2014 18:12
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/29/2014 18:12
4-Chloroaniline	U		0.32	20	µg/L	1	4/29/2014 18:12
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/29/2014 18:12
4-Methylphenol	U		0.20	5.0	µg/L	1	4/29/2014 18:12
4-Nitroaniline	U		0.30	20	µg/L	1	4/29/2014 18:12
4-Nitrophenol	U		0.51	20	µg/L	1	4/29/2014 18:12
Acenaphthene	U		0.11	5.0	µg/L	1	4/29/2014 18:12
Acenaphthylene	U		0.12	5.0	µg/L	1	4/29/2014 18:12
Acetophenone	U		0.090	1.0	µg/L	1	4/29/2014 18:12
Anthracene	U		0.72	5.0	µg/L	1	4/29/2014 18:12
Atrazine	U		0.13	1.0	µg/L	1	4/29/2014 18:12
Benzaldehyde	U		0.46	1.0	µg/L	1	4/29/2014 18:12
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/29/2014 18:12
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/29/2014 18:12
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/29/2014 18:12
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/29/2014 18:12
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/29/2014 18:12
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/29/2014 18:12
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/29/2014 18:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-062
Collection Date: 4/23/2014 09:45 AM

Work Order: 14041179
Lab ID: 14041179-18
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/29/2014 18:12
Bis(2-ethylhexyl)phthalate	**0.28**	J	**0.15**	**5.0**	**µg/L**	1	4/29/2014 18:12
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/29/2014 18:12
Caprolactam	U		4.7	10	µg/L	1	4/29/2014 18:12
Carbazole	U		0.16	10	µg/L	1	4/29/2014 18:12
Chrysene	U		0.71	5.0	µg/L	1	4/29/2014 18:12
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/29/2014 18:12
Dibenzofuran	U		0.28	5.0	µg/L	1	4/29/2014 18:12
Diethyl phthalate	U		0.24	20	µg/L	1	4/29/2014 18:12
Dimethyl phthalate	U		0.27	20	µg/L	1	4/29/2014 18:12
Di-n-butyl phthalate	**0.29**	J	**0.14**	**5.0**	**µg/L**	1	4/29/2014 18:12
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/29/2014 18:12
Fluoranthene	U		0.77	5.0	µg/L	1	4/29/2014 18:12
Fluorene	**0.16**	J	**0.10**	**5.0**	**µg/L**	1	4/29/2014 18:12
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/29/2014 18:12
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/29/2014 18:12
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/29/2014 18:12
Hexachloroethane	U		0.47	5.0	µg/L	1	4/29/2014 18:12
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/29/2014 18:12
Isophorone	U		0.30	5.0	µg/L	1	4/29/2014 18:12
Naphthalene	U		0.12	5.0	µg/L	1	4/29/2014 18:12
Nitrobenzene	U		0.33	5.0	µg/L	1	4/29/2014 18:12
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/29/2014 18:12
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/29/2014 18:12
Pentachlorophenol	U		0.22	20	µg/L	1	4/29/2014 18:12
Phenanthrene	U		0.86	5.0	µg/L	1	4/29/2014 18:12
Phenol	U		0.32	5.0	µg/L	1	4/29/2014 18:12
Pyrene	U		0.65	5.0	µg/L	1	4/29/2014 18:12
Surr: 2,4,6-Tribromophenol	*66.1*			*32-115*	*%REC*	1	4/29/2014 18:12
Surr: 2-Fluorobiphenyl	*52.9*			*32-100*	*%REC*	1	4/29/2014 18:12
Surr: 2-Fluorophenol	*25.7*			*22-59*	*%REC*	1	4/29/2014 18:12
Surr: 4-Terphenyl-d14	*76.9*			*23-112*	*%REC*	1	4/29/2014 18:12
Surr: Nitrobenzene-d5	*45.9*			*31-93*	*%REC*	1	4/29/2014 18:12
Surr: Phenol-d6	*15.2*			*13-36*	*%REC*	1	4/29/2014 18:12
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:39
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 09:39
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-062
Collection Date: 4/23/2014 09:45 AM

Work Order: 14041179
Lab ID: 14041179-18
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 09:39
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 09:39
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 09:39
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 09:39
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 09:39
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 09:39
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 09:39
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 09:39
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 09:39
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 09:39
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 09:39
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 09:39
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 09:39
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 09:39
Acetone	U		3.0	50	µg/L	1	4/30/2014 09:39
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 09:39
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 09:39
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 09:39
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 09:39
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 09:39
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 09:39
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 09:39
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 09:39
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 09:39
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 09:39
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 09:39
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 09:39
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 09:39
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 09:39
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 09:39
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 09:39
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 09:39
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 09:39
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 09:39
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 09:39
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 09:39
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 09:39
Tetrachloroethene	**2.9**		**0.098**	**1.0**	**µg/L**	1	4/30/2014 09:39
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 09:39
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 09:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-062
Collection Date: 4/23/2014 09:45 AM

Work Order: 14041179
Lab ID: 14041179-18
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 09:39
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 09:39
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 09:39
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 09:39
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 09:39
Surr: 1,2-Dichloroethane-d4	*102*			*75-120*	*%REC*	1	4/30/2014 09:39
Surr: 4-Bromofluorobenzene	*93.4*			*80-110*	*%REC*	1	4/30/2014 09:39
Surr: Dibromofluoromethane	*102*			*85-115*	*%REC*	1	4/30/2014 09:39
Surr: Toluene-d8	*97.2*			*85-110*	*%REC*	1	4/30/2014 09:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-063
Collection Date: 4/23/2014 10:48 AM

Work Order: 14041179
Lab ID: 14041179-19
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 18:11
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **RH**
BatchID: 57969							
Antimony	**0.00054**	J	**0.000036**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Arsenic	**0.016**		**0.00058**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Barium	**0.038**		**0.000063**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Beryllium	U		0.000082	0.0020	mg/L	1	5/3/2014 05:23
Cadmium	U		0.000045	0.0020	mg/L	1	5/3/2014 05:23
Chromium	**0.00070**	J	**0.00027**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Cobalt	**0.0021**	J	**0.000041**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Copper	**0.020**		**0.00053**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Lead	**0.011**		**0.000051**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Manganese	**0.20**		**0.000054**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Molybdenum	**0.11**		**0.000088**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Nickel	**0.012**		**0.00025**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Selenium	**0.00095**	J	**0.00064**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Silver	U		0.000042	0.0050	mg/L	1	5/3/2014 05:23
Thallium	U		0.000062	0.0050	mg/L	1	5/3/2014 05:23
Vanadium	**0.0065**		**0.00016**	**0.0050**	**mg/L**	1	5/3/2014 05:23
Zinc	**0.012**		**0.00048**	**0.010**	**mg/L**	1	5/3/2014 05:23
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/28/2014 19:24
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/28/2014 19:24
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/28/2014 19:24
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/28/2014 19:24
2,4-Dimethylphenol	**4.2**	J	**1.8**	**5.0**	**µg/L**	1	4/28/2014 19:24
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/28/2014 19:24
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/28/2014 19:24
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/28/2014 19:24
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 19:24
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/28/2014 19:24
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 19:24
2-Methylphenol	**2.3**	J	**0.20**	**5.0**	**µg/L**	1	4/28/2014 19:24
2-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 19:24
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/28/2014 19:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-063
Collection Date: 4/23/2014 10:48 AM

Work Order: 14041179
Lab ID: 14041179-19
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/28/2014 19:24
3-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 19:24
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/28/2014 19:24
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 19:24
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/28/2014 19:24
4-Chloroaniline	U		0.32	20	µg/L	1	4/28/2014 19:24
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 19:24
4-Methylphenol	**8.9**		**0.20**	**5.0**	**µg/L**	1	4/28/2014 19:24
4-Nitroaniline	U		0.30	20	µg/L	1	4/28/2014 19:24
4-Nitrophenol	U		0.51	20	µg/L	1	4/28/2014 19:24
Acenaphthene	U		0.11	5.0	µg/L	1	4/28/2014 19:24
Acenaphthylene	U		0.12	5.0	µg/L	1	4/28/2014 19:24
Acetophenone	U		0.090	1.0	µg/L	1	4/28/2014 19:24
Anthracene	U		0.72	5.0	µg/L	1	4/28/2014 19:24
Atrazine	U		0.13	1.0	µg/L	1	4/28/2014 19:24
Benzaldehyde	U		0.46	1.0	µg/L	1	4/28/2014 19:24
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/28/2014 19:24
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/28/2014 19:24
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/28/2014 19:24
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/28/2014 19:24
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/28/2014 19:24
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/28/2014 19:24
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/28/2014 19:24
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/28/2014 19:24
Bis(2-ethylhexyl)phthalate	U		0.15	5.0	µg/L	1	4/28/2014 19:24
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/28/2014 19:24
Caprolactam	U		4.7	10	µg/L	1	4/28/2014 19:24
Carbazole	U		0.16	10	µg/L	1	4/28/2014 19:24
Chrysene	U		0.71	5.0	µg/L	1	4/28/2014 19:24
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/28/2014 19:24
Dibenzofuran	U		0.28	5.0	µg/L	1	4/28/2014 19:24
Diethyl phthalate	U		0.24	20	µg/L	1	4/28/2014 19:24
Dimethyl phthalate	U		0.27	20	µg/L	1	4/28/2014 19:24
Di-n-butyl phthalate	U		0.14	5.0	µg/L	1	4/28/2014 19:24
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/28/2014 19:24
Fluoranthene	U		0.77	5.0	µg/L	1	4/28/2014 19:24
Fluorene	U		0.10	5.0	µg/L	1	4/28/2014 19:24
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/28/2014 19:24
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/28/2014 19:24
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/28/2014 19:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-063
Collection Date: 4/23/2014 10:48 AM

Work Order: 14041179
Lab ID: 14041179-19
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachloroethane	U		0.47	5.0	µg/L	1	4/28/2014 19:24
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/28/2014 19:24
Isophorone	U		0.30	5.0	µg/L	1	4/28/2014 19:24
Naphthalene	**2.8**	J	**0.12**	**5.0**	**µg/L**	1	4/28/2014 19:24
Nitrobenzene	U		0.33	5.0	µg/L	1	4/28/2014 19:24
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/28/2014 19:24
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/28/2014 19:24
Pentachlorophenol	U		0.22	20	µg/L	1	4/28/2014 19:24
Phenanthrene	U		0.86	5.0	µg/L	1	4/28/2014 19:24
Phenol	**23**		**0.32**	**5.0**	**µg/L**	1	4/28/2014 19:24
Pyrene	U		0.65	5.0	µg/L	1	4/28/2014 19:24
Surr: 2,4,6-Tribromophenol	*75.5*			*32-115*	*%REC*	1	4/28/2014 19:24
Surr: 2-Fluorobiphenyl	*69.0*			*32-100*	*%REC*	1	4/28/2014 19:24
Surr: 2-Fluorophenol	*34.4*			*22-59*	*%REC*	1	4/28/2014 19:24
Surr: 4-Terphenyl-d14	*97.4*			*23-112*	*%REC*	1	4/28/2014 19:24
Surr: Nitrobenzene-d5	*61.8*			*31-93*	*%REC*	1	4/28/2014 19:24
Surr: Phenol-d6	*23.0*			*13-36*	*%REC*	1	4/28/2014 19:24
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139844							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 21:13
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 21:13
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 21:13
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 21:13
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 21:13
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 21:13
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 21:13
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 21:13
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 21:13
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 21:13
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 21:13
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 21:13
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 21:13
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 21:13
2-Butanone	**17**	J	**0.64**	**25**	**µg/L**	1	4/30/2014 21:13
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 21:13
4-Methyl-2-pentanone	**8.7**	J	**0.20**	**50**	**µg/L**	1	4/30/2014 21:13
Acetone	**40**	J	**3.0**	**50**	**µg/L**	1	4/30/2014 21:13
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 21:13
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 21:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-063
Collection Date: 4/23/2014 10:48 AM

Work Order: 14041179
Lab ID: 14041179-19
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 21:13
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 21:13
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 21:13
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 21:13
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 21:13
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 21:13
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 21:13
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 21:13
cis-1,2-Dichloroethene	**1.2**		**0.10**	**1.0**	**µg/L**	1	4/30/2014 21:13
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 21:13
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 21:13
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 21:13
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 21:13
Ethylbenzene	**2.0**		**0.12**	**1.0**	**µg/L**	1	4/30/2014 21:13
Isopropylbenzene	**3.1**	J	**0.11**	**5.0**	**µg/L**	1	4/30/2014 21:13
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 21:13
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 21:13
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 21:13
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 21:13
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 21:13
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 21:13
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 21:13
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 21:13
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 21:13
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 21:13
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 21:13
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 21:13
Xylenes, Total	**9.5**		**0.30**	**3.0**	**µg/L**	1	4/30/2014 21:13
Surr: 1,2-Dichloroethane-d4	*97.5*			*75-120*	*%REC*	1	4/30/2014 21:13
Surr: 4-Bromofluorobenzene	*94.8*			*80-110*	*%REC*	1	4/30/2014 21:13
Surr: Dibromofluoromethane	*99.2*			*85-115*	*%REC*	1	4/30/2014 21:13
Surr: Toluene-d8	*95.1*			*85-110*	*%REC*	1	4/30/2014 21:13

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-064
Collection Date: 4/23/2014 11:27 AM

Work Order: 14041179
Lab ID: 14041179-20
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 18:18
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **RH**
BatchID: 57969							
Antimony	**0.00019**	J	**0.000036**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Arsenic	**0.0012**	J	**0.00058**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Barium	**0.077**		**0.000063**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Beryllium	U		0.000082	0.0020	mg/L	1	5/3/2014 07:17
Cadmium	U		0.000045	0.0020	mg/L	1	5/3/2014 07:17
Chromium	**0.00027**	J	**0.00027**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Cobalt	**0.0015**	J	**0.000041**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Copper	**0.0027**	J	**0.00053**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Lead	**0.00055**	J	**0.000051**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Manganese	**0.29**		**0.000054**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Molybdenum	**0.0039**	J	**0.000088**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Nickel	**0.0056**		**0.00025**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Selenium	U		0.00064	0.0050	mg/L	1	5/3/2014 07:17
Silver	U		0.000042	0.0050	mg/L	1	5/3/2014 07:17
Thallium	U		0.000062	0.0050	mg/L	1	5/3/2014 07:17
Vanadium	**0.00071**	J	**0.00016**	**0.0050**	**mg/L**	1	5/3/2014 07:17
Zinc	**0.0024**	J	**0.00048**	**0.010**	**mg/L**	1	5/3/2014 07:17
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/28/2014 20:33
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/28/2014 20:33
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/28/2014 20:33
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/28/2014 20:33
2,4-Dimethylphenol	U		1.8	5.0	µg/L	1	4/28/2014 20:33
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/28/2014 20:33
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/28/2014 20:33
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/28/2014 20:33
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:33
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/28/2014 20:33
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:33
2-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:33
2-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:33
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/28/2014 20:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-064
Collection Date: 4/23/2014 11:27 AM

Work Order: 14041179
Lab ID: 14041179-20
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/28/2014 20:33
3-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:33
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/28/2014 20:33
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:33
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/28/2014 20:33
4-Chloroaniline	U		0.32	20	µg/L	1	4/28/2014 20:33
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:33
4-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:33
4-Nitroaniline	U		0.30	20	µg/L	1	4/28/2014 20:33
4-Nitrophenol	U		0.51	20	µg/L	1	4/28/2014 20:33
Acenaphthene	U		0.11	5.0	µg/L	1	4/28/2014 20:33
Acenaphthylene	U		0.12	5.0	µg/L	1	4/28/2014 20:33
Acetophenone	U		0.090	1.0	µg/L	1	4/28/2014 20:33
Anthracene	U		0.72	5.0	µg/L	1	4/28/2014 20:33
Atrazine	U		0.13	1.0	µg/L	1	4/28/2014 20:33
Benzaldehyde	U		0.46	1.0	µg/L	1	4/28/2014 20:33
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/28/2014 20:33
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/28/2014 20:33
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/28/2014 20:33
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/28/2014 20:33
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/28/2014 20:33
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/28/2014 20:33
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/28/2014 20:33
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/28/2014 20:33
Bis(2-ethylhexyl)phthalate	U		0.15	5.0	µg/L	1	4/28/2014 20:33
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/28/2014 20:33
Caprolactam	U		4.7	10	µg/L	1	4/28/2014 20:33
Carbazole	U		0.16	10	µg/L	1	4/28/2014 20:33
Chrysene	U		0.71	5.0	µg/L	1	4/28/2014 20:33
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/28/2014 20:33
Dibenzofuran	U		0.28	5.0	µg/L	1	4/28/2014 20:33
Diethyl phthalate	U		0.24	20	µg/L	1	4/28/2014 20:33
Dimethyl phthalate	U		0.27	20	µg/L	1	4/28/2014 20:33
Di-n-butyl phthalate	U		0.14	5.0	µg/L	1	4/28/2014 20:33
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/28/2014 20:33
Fluoranthene	U		0.77	5.0	µg/L	1	4/28/2014 20:33
Fluorene	U		0.10	5.0	µg/L	1	4/28/2014 20:33
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/28/2014 20:33
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/28/2014 20:33
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/28/2014 20:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-064
Collection Date: 4/23/2014 11:27 AM

Work Order: 14041179
Lab ID: 14041179-20
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachloroethane	U		0.47	5.0	µg/L	1	4/28/2014 20:33
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/28/2014 20:33
Isophorone	U		0.30	5.0	µg/L	1	4/28/2014 20:33
Naphthalene	U		0.12	5.0	µg/L	1	4/28/2014 20:33
Nitrobenzene	U		0.33	5.0	µg/L	1	4/28/2014 20:33
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/28/2014 20:33
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/28/2014 20:33
Pentachlorophenol	U		0.22	20	µg/L	1	4/28/2014 20:33
Phenanthrene	U		0.86	5.0	µg/L	1	4/28/2014 20:33
Phenol	U		0.32	5.0	µg/L	1	4/28/2014 20:33
Pyrene	U		0.65	5.0	µg/L	1	4/28/2014 20:33
Surr: 2,4,6-Tribromophenol	*72.9*			*32-115*	*%REC*	1	4/28/2014 20:33
Surr: 2-Fluorobiphenyl	*70.9*			*32-100*	*%REC*	1	4/28/2014 20:33
Surr: 2-Fluorophenol	*36.3*			*22-59*	*%REC*	1	4/28/2014 20:33
Surr: 4-Terphenyl-d14	*90.6*			*23-112*	*%REC*	1	4/28/2014 20:33
Surr: Nitrobenzene-d5	*57.1*			*31-93*	*%REC*	1	4/28/2014 20:33
Surr: Phenol-d6	*22.2*			*13-36*	*%REC*	1	4/28/2014 20:33
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139810							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:32
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 07:32
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:32
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 07:32
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 07:32
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:32
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 07:32
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 07:32
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 07:32
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 07:32
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:32
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 07:32
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:32
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:32
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 07:32
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 07:32
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 07:32
Acetone	**4.0**	J	**3.0**	**50**	**µg/L**	1	4/30/2014 07:32
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 07:32
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-064
Collection Date: 4/23/2014 11:27 AM

Work Order: 14041179
Lab ID: 14041179-20
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 07:32
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 07:32
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 07:32
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 07:32
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:32
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 07:32
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 07:32
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 07:32
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 07:32
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 07:32
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 07:32
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 07:32
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 07:32
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:32
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 07:32
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 07:32
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 07:32
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 07:32
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 07:32
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 07:32
Tetrachloroethene	**3.0**		**0.098**	**1.0**	**µg/L**	1	4/30/2014 07:32
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 07:32
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:32
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 07:32
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 07:32
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:32
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 07:32
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 07:32
Surr: 1,2-Dichloroethane-d4	*96.4*			*75-120*	*%REC*	1	4/30/2014 07:32
Surr: 4-Bromofluorobenzene	*91.3*			*80-110*	*%REC*	1	4/30/2014 07:32
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	1	4/30/2014 07:32
Surr: Toluene-d8	*95.3*			*85-110*	*%REC*	1	4/30/2014 07:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-065
Collection Date: 4/23/2014 12:51 PM

Work Order: 14041179
Lab ID: 14041179-21
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470**		Prep: SW7470 / 4/29/14		Analyst: **LR**
BatchID: 58063							
Mercury	U		0.00010	0.00020	mg/L	1	4/29/2014 18:21
METALS BY ICP-MS			**SW6020A**		Prep: SW3005A / 4/25/14		Analyst: **RH**
BatchID: 57969							
Antimony	**0.00016**	J	**0.000036**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Arsenic	U		0.00058	0.0050	mg/L	1	5/3/2014 07:23
Barium	**0.033**		**0.000063**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Beryllium	U		0.000082	0.0020	mg/L	1	5/3/2014 07:23
Cadmium	**0.00011**	J	**0.000045**	**0.0020**	**mg/L**	1	5/3/2014 07:23
Chromium	**0.00064**	J	**0.00027**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Cobalt	**0.0031**	J	**0.000041**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Copper	**0.0037**	J	**0.00053**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Lead	**0.00014**	J	**0.000051**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Manganese	**0.021**		**0.000054**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Molybdenum	**0.0033**	J	**0.000088**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Nickel	**0.0070**		**0.00025**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Selenium	**0.0017**	J	**0.00064**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Silver	U		0.000042	0.0050	mg/L	1	5/3/2014 07:23
Thallium	U		0.000062	0.0050	mg/L	1	5/3/2014 07:23
Vanadium	**0.00027**	J	**0.00016**	**0.0050**	**mg/L**	1	5/3/2014 07:23
Zinc	**0.0037**	J	**0.00048**	**0.010**	**mg/L**	1	5/3/2014 07:23
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3510 / 4/28/14		Analyst: **HL**
BatchID: 58013							
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	4/28/2014 20:56
2,4,5-Trichlorophenol	U		0.25	5.0	µg/L	1	4/28/2014 20:56
2,4,6-Trichlorophenol	U		0.27	5.0	µg/L	1	4/28/2014 20:56
2,4-Dichlorophenol	U		0.22	10	µg/L	1	4/28/2014 20:56
2,4-Dimethylphenol	U		1.8	5.0	µg/L	1	4/28/2014 20:56
2,4-Dinitrophenol	U		0.67	5.0	µg/L	1	4/28/2014 20:56
2,4-Dinitrotoluene	U		0.27	5.0	µg/L	1	4/28/2014 20:56
2,6-Dinitrotoluene	U		0.23	5.0	µg/L	1	4/28/2014 20:56
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:56
2-Chlorophenol	U		0.32	5.0	µg/L	1	4/28/2014 20:56
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	4/28/2014 20:56
2-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:56
2-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:56
2-Nitrophenol	U		0.28	5.0	µg/L	1	4/28/2014 20:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-065
Collection Date: 4/23/2014 12:51 PM

Work Order: 14041179
Lab ID: 14041179-21
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
3,3´-Dichlorobenzidine	U		3.9	5.0	µg/L	1	4/28/2014 20:56
3-Nitroaniline	U		0.34	20	µg/L	1	4/28/2014 20:56
4,6-Dinitro-2-methylphenol	U		1.2	20	µg/L	1	4/28/2014 20:56
4-Bromophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:56
4-Chloro-3-methylphenol	U		0.31	5.0	µg/L	1	4/28/2014 20:56
4-Chloroaniline	U		0.32	20	µg/L	1	4/28/2014 20:56
4-Chlorophenyl phenyl ether	U		0.23	5.0	µg/L	1	4/28/2014 20:56
4-Methylphenol	U		0.20	5.0	µg/L	1	4/28/2014 20:56
4-Nitroaniline	U		0.30	20	µg/L	1	4/28/2014 20:56
4-Nitrophenol	U		0.51	20	µg/L	1	4/28/2014 20:56
Acenaphthene	U		0.11	5.0	µg/L	1	4/28/2014 20:56
Acenaphthylene	U		0.12	5.0	µg/L	1	4/28/2014 20:56
Acetophenone	U		0.090	1.0	µg/L	1	4/28/2014 20:56
Anthracene	U		0.72	5.0	µg/L	1	4/28/2014 20:56
Atrazine	U		0.13	1.0	µg/L	1	4/28/2014 20:56
Benzaldehyde	U		0.46	1.0	µg/L	1	4/28/2014 20:56
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	4/28/2014 20:56
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	4/28/2014 20:56
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	4/28/2014 20:56
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	4/28/2014 20:56
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	4/28/2014 20:56
Bis(2-chloroethoxy)methane	U		0.33	5.0	µg/L	1	4/28/2014 20:56
Bis(2-chloroethyl)ether	U		0.34	5.0	µg/L	1	4/28/2014 20:56
Bis(2-chloroisopropyl)ether	U		0.32	5.0	µg/L	1	4/28/2014 20:56
Bis(2-ethylhexyl)phthalate	U		0.15	5.0	µg/L	1	4/28/2014 20:56
Butyl benzyl phthalate	U		0.10	5.0	µg/L	1	4/28/2014 20:56
Caprolactam	U		4.7	10	µg/L	1	4/28/2014 20:56
Carbazole	U		0.16	10	µg/L	1	4/28/2014 20:56
Chrysene	U		0.71	5.0	µg/L	1	4/28/2014 20:56
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	4/28/2014 20:56
Dibenzofuran	U		0.28	5.0	µg/L	1	4/28/2014 20:56
Diethyl phthalate	U		0.24	20	µg/L	1	4/28/2014 20:56
Dimethyl phthalate	U		0.27	20	µg/L	1	4/28/2014 20:56
Di-n-butyl phthalate	U		0.14	5.0	µg/L	1	4/28/2014 20:56
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	4/28/2014 20:56
Fluoranthene	U		0.77	5.0	µg/L	1	4/28/2014 20:56
Fluorene	U		0.10	5.0	µg/L	1	4/28/2014 20:56
Hexachlorobenzene	U		0.22	5.0	µg/L	1	4/28/2014 20:56
Hexachlorobutadiene	U		0.24	5.0	µg/L	1	4/28/2014 20:56
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	4/28/2014 20:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-065
Collection Date: 4/23/2014 12:51 PM

Work Order: 14041179
Lab ID: 14041179-21
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachloroethane	U		0.47	5.0	µg/L	1	4/28/2014 20:56
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	4/28/2014 20:56
Isophorone	U		0.30	5.0	µg/L	1	4/28/2014 20:56
Naphthalene	U		0.12	5.0	µg/L	1	4/28/2014 20:56
Nitrobenzene	U		0.33	5.0	µg/L	1	4/28/2014 20:56
N-Nitrosodi-n-propylamine	U		0.32	5.0	µg/L	1	4/28/2014 20:56
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	4/28/2014 20:56
Pentachlorophenol	U		0.22	20	µg/L	1	4/28/2014 20:56
Phenanthrene	U		0.86	5.0	µg/L	1	4/28/2014 20:56
Phenol	U		0.32	5.0	µg/L	1	4/28/2014 20:56
Pyrene	U		0.65	5.0	µg/L	1	4/28/2014 20:56
Surr: 2,4,6-Tribromophenol	*80.8*			*32-115*	*%REC*	1	4/28/2014 20:56
Surr: 2-Fluorobiphenyl	*62.8*			*32-100*	*%REC*	1	4/28/2014 20:56
Surr: 2-Fluorophenol	*32.4*			*22-59*	*%REC*	1	4/28/2014 20:56
Surr: 4-Terphenyl-d14	*91.1*			*23-112*	*%REC*	1	4/28/2014 20:56
Surr: Nitrobenzene-d5	*46.2*			*31-93*	*%REC*	1	4/28/2014 20:56
Surr: Phenol-d6	*19.2*			*13-36*	*%REC*	1	4/28/2014 20:56
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **AK**
BatchID: R139812							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 10:04
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 10:04
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 10:04
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 10:04
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 10:04
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 10:04
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 10:04
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 10:04
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 10:04
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 10:04
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 10:04
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 10:04
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 10:04
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 10:04
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 10:04
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 10:04
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 10:04
Acetone	U		3.0	50	µg/L	1	4/30/2014 10:04
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 10:04
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 10:04

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-065
Collection Date: 4/23/2014 12:51 PM

Work Order: 14041179
Lab ID: 14041179-21
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 10:04
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 10:04
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 10:04
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 10:04
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 10:04
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 10:04
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 10:04
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 10:04
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 10:04
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 10:04
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 10:04
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 10:04
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 10:04
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 10:04
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 10:04
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 10:04
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 10:04
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 10:04
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 10:04
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 10:04
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 10:04
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 10:04
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 10:04
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 10:04
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 10:04
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 10:04
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 10:04
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 10:04
Surr: 1,2-Dichloroethane-d4	*101*			*75-120*	*%REC*	1	4/30/2014 10:04
Surr: 4-Bromofluorobenzene	*96.0*			*80-110*	*%REC*	1	4/30/2014 10:04
Surr: Dibromofluoromethane	*102*			*85-115*	*%REC*	1	4/30/2014 10:04
Surr: Toluene-d8	*102*			*85-110*	*%REC*	1	4/30/2014 10:04
CHROMIUM, HEXAVALENT			**SW7196A**				Analyst: **ND**
BatchID: R139478							
Chromium, Hexavalent	U		0.0050	0.020	mg/L	1	4/23/2014 17:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-066
Collection Date: 4/23/2014 01:28 PM

Work Order: 14041179
Lab ID: 14041179-22
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139810							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:57
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 07:57
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:57
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 07:57
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 07:57
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:57
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 07:57
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 07:57
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 07:57
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 07:57
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 07:57
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 07:57
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:57
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 07:57
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 07:57
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 07:57
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 07:57
Acetone	U		3.0	50	µg/L	1	4/30/2014 07:57
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 07:57
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:57
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 07:57
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 07:57
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 07:57
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 07:57
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:57
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 07:57
Chloroform	**0.85**	J	**0.15**	**1.0**	**µg/L**	1	4/30/2014 07:57
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 07:57
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 07:57
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 07:57
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 07:57
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 07:57
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 07:57
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 07:57
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 07:57
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 07:57
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 07:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-066
Collection Date: 4/23/2014 01:28 PM

Work Order: 14041179
Lab ID: 14041179-22
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 07:57
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 07:57
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 07:57
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 07:57
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 07:57
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 07:57
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 07:57
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 07:57
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 07:57
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 07:57
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 07:57
Surr: 1,2-Dichloroethane-d4	*96.4*			*75-120*	*%REC*	1	4/30/2014 07:57
Surr: 4-Bromofluorobenzene	*93.0*			*80-110*	*%REC*	1	4/30/2014 07:57
Surr: Dibromofluoromethane	*99.9*			*85-115*	*%REC*	1	4/30/2014 07:57
Surr: Toluene-d8	*96.4*			*85-110*	*%REC*	1	4/30/2014 07:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-067
Collection Date: 4/23/2014 01:50 PM

Work Order: 14041179
Lab ID: 14041179-23
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139810							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:22
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 08:22
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:22
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 08:22
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 08:22
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:22
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 08:22
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 08:22
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 08:22
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 08:22
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 08:22
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 08:22
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:22
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 08:22
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 08:22
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 08:22
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 08:22
Acetone	U		3.0	50	µg/L	1	4/30/2014 08:22
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 08:22
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:22
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 08:22
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 08:22
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 08:22
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 08:22
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:22
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 08:22
Chloroform	**0.83**	J	**0.15**	**1.0**	**µg/L**	1	4/30/2014 08:22
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 08:22
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 08:22
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 08:22
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 08:22
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 08:22
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 08:22
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 08:22
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 08:22
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 08:22
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 08:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: WG-017360-042234-MR-067
Collection Date: 4/23/2014 01:50 PM

Work Order: 14041179
Lab ID: 14041179-23
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 08:22
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 08:22
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 08:22
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 08:22
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 08:22
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 08:22
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 08:22
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 08:22
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 08:22
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 08:22
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 08:22
Surr: 1,2-Dichloroethane-d4	*97.4*			*75-120*	*%REC*	1	4/30/2014 08:22
Surr: 4-Bromofluorobenzene	*91.7*			*80-110*	*%REC*	1	4/30/2014 08:22
Surr: Dibromofluoromethane	*102*			*85-115*	*%REC*	1	4/30/2014 08:22
Surr: Toluene-d8	*95.0*			*85-110*	*%REC*	1	4/30/2014 08:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: TB-017360-042234-MR-068
Collection Date: 4/23/2014

Work Order: 14041179
Lab ID: 14041179-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260**				Analyst: **BG**
BatchID: R139810							
1,1,1-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 02:55
1,1,2,2-Tetrachloroethane	U		0.21	1.0	µg/L	1	4/30/2014 02:55
1,1,2-Trichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 02:55
1,1,2-Trichlorotrifluoroethane	U		0.40	1.0	µg/L	1	4/30/2014 02:55
1,1-Dichloroethane	U		0.14	1.0	µg/L	1	4/30/2014 02:55
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 02:55
1,2,4-Trichlorobenzene	U		0.096	5.0	µg/L	1	4/30/2014 02:55
1,2-Dibromo-3-chloropropane	U		0.35	1.0	µg/L	1	4/30/2014 02:55
1,2-Dibromoethane	U		0.14	1.0	µg/L	1	4/30/2014 02:55
1,2-Dichlorobenzene	U		0.17	1.0	µg/L	1	4/30/2014 02:55
1,2-Dichloroethane	U		0.11	1.0	µg/L	1	4/30/2014 02:55
1,2-Dichloropropane	U		0.12	1.0	µg/L	1	4/30/2014 02:55
1,3-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 02:55
1,4-Dichlorobenzene	U		0.15	1.0	µg/L	1	4/30/2014 02:55
2-Butanone	U		0.64	25	µg/L	1	4/30/2014 02:55
2-Hexanone	U		0.19	50	µg/L	1	4/30/2014 02:55
4-Methyl-2-pentanone	U		0.20	50	µg/L	1	4/30/2014 02:55
Acetone	U		3.0	50	µg/L	1	4/30/2014 02:55
Benzene	U		0.14	1.0	µg/L	1	4/30/2014 02:55
Bromodichloromethane	U		0.22	1.0	µg/L	1	4/30/2014 02:55
Bromoform	U		0.18	1.0	µg/L	1	4/30/2014 02:55
Bromomethane	U		0.38	5.0	µg/L	1	4/30/2014 02:55
Carbon disulfide	U		0.26	5.0	µg/L	1	4/30/2014 02:55
Carbon tetrachloride	U		0.16	1.0	µg/L	1	4/30/2014 02:55
Chlorobenzene	U		0.12	1.0	µg/L	1	4/30/2014 02:55
Chloroethane	U		0.25	5.0	µg/L	1	4/30/2014 02:55
Chloroform	U		0.15	1.0	µg/L	1	4/30/2014 02:55
Chloromethane	U		0.29	5.0	µg/L	1	4/30/2014 02:55
cis-1,2-Dichloroethene	U		0.10	1.0	µg/L	1	4/30/2014 02:55
cis-1,3-Dichloropropene	U		0.097	1.0	µg/L	1	4/30/2014 02:55
Cyclohexane	U		0.20	1.0	µg/L	1	4/30/2014 02:55
Dibromochloromethane	U		0.12	5.0	µg/L	1	4/30/2014 02:55
Dichlorodifluoromethane	U		0.18	5.0	µg/L	1	4/30/2014 02:55
Ethylbenzene	U		0.12	1.0	µg/L	1	4/30/2014 02:55
Isopropylbenzene	U		0.11	5.0	µg/L	1	4/30/2014 02:55
Methyl acetate	U		0.76	10	µg/L	1	4/30/2014 02:55
Methyl tert-butyl ether	U		0.28	5.0	µg/L	1	4/30/2014 02:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *07-May-14*

Client: Conestoga-Rovers & Associates
Project: Former GRMP (17360)
Sample ID: TB-017360-042234-MR-068
Collection Date: 4/23/2014

Work Order: 14041179
Lab ID: 14041179-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.19	1.0	µg/L	1	4/30/2014 02:55
Methylene chloride	U		0.75	5.0	µg/L	1	4/30/2014 02:55
Styrene	U		0.12	1.0	µg/L	1	4/30/2014 02:55
Tetrachloroethene	U		0.098	1.0	µg/L	1	4/30/2014 02:55
Toluene	U		0.13	1.0	µg/L	1	4/30/2014 02:55
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	4/30/2014 02:55
trans-1,3-Dichloropropene	U		0.093	1.0	µg/L	1	4/30/2014 02:55
Trichloroethene	U		0.16	1.0	µg/L	1	4/30/2014 02:55
Trichlorofluoromethane	U		0.22	1.0	µg/L	1	4/30/2014 02:55
Vinyl chloride	U		0.15	1.0	µg/L	1	4/30/2014 02:55
Xylenes, Total	U		0.30	3.0	µg/L	1	4/30/2014 02:55
Surr: 1,2-Dichloroethane-d4	*95.2*			*75-120*	*%REC*	1	4/30/2014 02:55
Surr: 4-Bromofluorobenzene	*92.4*			*80-110*	*%REC*	1	4/30/2014 02:55
Surr: Dibromofluoromethane	*99.6*			*85-115*	*%REC*	1	4/30/2014 02:55
Surr: Toluene-d8	*96.1*			*85-110*	*%REC*	1	4/30/2014 02:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 07-May-14

Client: Conestoga-Rovers & Associates

Work Order: 14041179

Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **58063** Instrument ID **HG1** Method: **SW7470**

MBLK Sample ID: **MBLK-58063-58063** Units: **mg/L** Analysis Date: **4/29/2014 05:00 PM**

Client ID: Run ID: **HG1_140429A** SeqNo: **2736886** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **LCS-58063-58063** Units: **mg/L** Analysis Date: **4/29/2014 05:02 PM**

Client ID: Run ID: **HG1_140429A** SeqNo: **2736887** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001874	0.00020	0.002	0	93.7	80-120	0			

MS Sample ID: **14041179-01BMS** Units: **mg/L** Analysis Date: **4/29/2014 05:09 PM**

Client ID: **WG-017360-042114-MR-045** Run ID: **HG1_140429A** SeqNo: **2736921** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001901	0.00020	0.002	0.00002	94	75-125	0			

MS Sample ID: **14041179-19CMS** Units: **mg/L** Analysis Date: **4/29/2014 06:14 PM**

Client ID: **WG-017360-042234-MR-063** Run ID: **HG1_140429A** SeqNo: **2737068** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001695	0.00020	0.002	0.000025	83.5	75-125	0			

MSD Sample ID: **14041179-01BMSD** Units: **mg/L** Analysis Date: **4/29/2014 05:12 PM**

Client ID: **WG-017360-042114-MR-045** Run ID: **HG1_140429A** SeqNo: **2736922** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001911	0.00020	0.002	0.00002	94.6	75-125	0.001901	0.525	20	

MSD Sample ID: **14041179-19CMSD** Units: **mg/L** Analysis Date: **4/29/2014 06:16 PM**

Client ID: **WG-017360-042234-MR-063** Run ID: **HG1_140429A** SeqNo: **2737069** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001708	0.00020	0.002	0.000025	84.2	75-125	0.001695	0.764	20	

The following samples were analyzed in this batch:

14041179-01B	14041179-02B	14041179-05B
14041179-09B	14041179-12B	14041179-13B
14041179-19C	14041179-20C	14041179-21C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **57968** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-57968-57968** Units: **mg/L** Analysis Date: **4/30/2014 09:56 AM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737736** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Arsenic	U	0.0050								
Barium	0.0001069	0.0050								J
Beryllium	U	0.0020								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Cobalt	U	0.0050								
Copper	0.0008313	0.0050								J
Lead	U	0.0050								
Manganese	0.0009846	0.0050								J
Molybdenum	U	0.0050								
Nickel	0.0006634	0.0050								J
Selenium	U	0.0050								
Silver	U	0.0050								
Thallium	U	0.0050								
Vanadium	0.0004031	0.0050								J
Zinc	0.003088	0.010								J

LCS Sample ID: **LCS-57968-57968** Units: **mg/L** Analysis Date: **4/30/2014 10:02 AM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737737** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.09946	0.0050	0.1	0	99.5	80-120	0			
Arsenic	0.1011	0.0050	0.1	0	101	80-120	0			
Barium	0.0977	0.0050	0.1	0	97.7	80-120	0			
Beryllium	0.09798	0.0020	0.1	0	98	80-120	0			
Cadmium	0.1004	0.0020	0.1	0	100	80-120	0			
Chromium	0.0954	0.0050	0.1	0	95.4	80-120	0			
Cobalt	0.09501	0.0050	0.1	0	95	80-120	0			
Copper	0.0955	0.0050	0.1	0	95.5	80-120	0			
Lead	0.0984	0.0050	0.1	0	98.4	80-120	0			
Manganese	0.09622	0.0050	0.1	0	96.2	80-120	0			
Molybdenum	0.09611	0.0050	0.1	0	96.1	80-120	0			
Nickel	0.09681	0.0050	0.1	0	96.8	80-120	0			
Selenium	0.09342	0.0050	0.1	0	93.4	80-120	0			
Silver	0.09351	0.0050	0.1	0	93.5	80-120	0			
Thallium	0.09453	0.0050	0.1	0	94.5	80-120	0			
Vanadium	0.09704	0.0050	0.1	0	97	80-120	0			
Zinc	0.09889	0.010	0.1	0	98.9	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **57968** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **14041179-01BMS** Units: **mg/L** Analysis Date: **4/30/2014 03:02 PM**
Client ID: **WG-017360-042114-MR-045** Run ID: **ICPMS1_140430A** SeqNo: **2738483** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.0981	0.0050	0.1	0.0001859	97.9	75-125	0			
Arsenic	0.1028	0.0050	0.1	0.0004611	102	75-125	0			
Barium	0.1456	0.0050	0.1	0.04585	99.8	75-125	0			
Beryllium	0.09398	0.0020	0.1	-0.0002282	94.2	75-125	0			
Cadmium	0.09748	0.0020	0.1	0.00004046	97.4	75-125	0			
Chromium	0.09771	0.0050	0.1	-1.188E-05	97.7	75-125	0			
Cobalt	0.09927	0.0050	0.1	0.002824	96.4	75-125	0			
Copper	0.09319	0.0050	0.1	0.001223	92	75-125	0			
Lead	0.1063	0.0050	0.1	-0.0001266	106	75-125	0			
Manganese	0.4668	0.0050	0.1	0.3712	95.6	75-125	0			
Molybdenum	0.1147	0.0050	0.1	0.01531	99.4	75-125	0			
Nickel	0.0983	0.0050	0.1	0.005438	92.9	75-125	0			
Selenium	0.0938	0.0050	0.1	0.0004308	93.4	75-125	0			
Silver	0.08921	0.0050	0.1	-7.312E-06	89.2	75-125	0			
Thallium	0.1028	0.0050	0.1	-0.0003289	103	75-125	0			
Vanadium	0.1027	0.0050	0.1	0.00008368	103	75-125	0			
Zinc	0.09306	0.010	0.1	0.0008935	92.2	75-125	0			

MSD Sample ID: **14041179-01BMSD** Units: **mg/L** Analysis Date: **4/30/2014 03:08 PM**
Client ID: **WG-017360-042114-MR-045** Run ID: **ICPMS1_140430A** SeqNo: **2738484** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.09649	0.0050	0.1	0.0001859	96.3	75-125	0.0981	1.65	20	
Arsenic	0.1014	0.0050	0.1	0.0004611	101	75-125	0.1028	1.37	20	
Barium	0.1454	0.0050	0.1	0.04585	99.6	75-125	0.1456	0.137	20	
Beryllium	0.09447	0.0020	0.1	-0.0002282	94.7	75-125	0.09398	0.52	20	
Cadmium	0.09686	0.0020	0.1	0.00004046	96.8	75-125	0.09748	0.638	20	
Chromium	0.09652	0.0050	0.1	-1.188E-05	96.5	75-125	0.09771	1.23	20	
Cobalt	0.09866	0.0050	0.1	0.002824	95.8	75-125	0.09927	0.616	20	
Copper	0.09234	0.0050	0.1	0.001223	91.1	75-125	0.09319	0.916	20	
Lead	0.1062	0.0050	0.1	-0.0001266	106	75-125	0.1063	0.0941	20	
Manganese	0.4581	0.0050	0.1	0.3712	86.9	75-125	0.4668	1.88	20	
Molybdenum	0.1143	0.0050	0.1	0.01531	99	75-125	0.1147	0.349	20	
Nickel	0.09763	0.0050	0.1	0.005438	92.2	75-125	0.0983	0.684	20	
Selenium	0.09253	0.0050	0.1	0.0004308	92.1	75-125	0.0938	1.36	20	
Silver	0.08756	0.0050	0.1	-7.312E-06	87.6	75-125	0.08921	1.87	20	
Thallium	0.1028	0.0050	0.1	-0.0003289	103	75-125	0.1028	0	20	
Vanadium	0.1018	0.0050	0.1	0.00008368	102	75-125	0.1027	0.88	20	
Zinc	0.09049	0.010	0.1	0.0008935	89.6	75-125	0.09306	2.8	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **57968** Instrument ID **ICPMS1** Method: **SW6020A**

The following samples were analyzed in this batch:

14041179-01B	14041179-02B	14041179-05B
14041179-09B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57969** Instrument ID **ICPMS2** Method: **SW6020A**

MBLK Sample ID: **MBLK-57969-57969** Units: **mg/L** Analysis Date: **5/3/2014 01:40 AM**
Client ID: Run ID: **ICPMS2_140502A** SeqNo: **2743269** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0050								
Arsenic	U	0.0050								
Barium	U	0.0050								
Beryllium	U	0.0020								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Cobalt	U	0.0050								
Copper	U	0.0050								
Lead	U	0.0050								
Manganese	U	0.0050								
Molybdenum	U	0.0050								
Nickel	U	0.0050								
Selenium	0.0009204	0.0050								J
Silver	U	0.0050								
Thallium	U	0.0050								
Vanadium	U	0.0050								
Zinc	U	0.010								

LCS Sample ID: **LCS-57969-57969** Units: **mg/L** Analysis Date: **5/3/2014 08:00 PM**
Client ID: Run ID: **ICPMS2_140503A** SeqNo: **2743684** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1003	0.0050	0.1	0	100	80-120	0			
Arsenic	0.1002	0.0050	0.1	0	100	80-120	0			
Barium	0.09989	0.0050	0.1	0	99.9	80-120	0			
Beryllium	0.1055	0.0020	0.1	0	106	80-120	0			
Cadmium	0.1014	0.0020	0.1	0	101	80-120	0			
Chromium	0.0965	0.0050	0.1	0	96.5	80-120	0			
Cobalt	0.103	0.0050	0.1	0	103	80-120	0			
Copper	0.1024	0.0050	0.1	0	102	80-120	0			
Lead	0.1001	0.0050	0.1	0	100	80-120	0			
Manganese	0.1021	0.0050	0.1	0	102	80-120	0			
Molybdenum	0.1004	0.0050	0.1	0	100	80-120	0			
Nickel	0.1005	0.0050	0.1	0	100	80-120	0			
Selenium	0.09945	0.0050	0.1	0	99.4	80-120	0			
Silver	0.09569	0.0050	0.1	0	95.7	80-120	0			
Thallium	0.09638	0.0050	0.1	0	96.4	80-120	0			
Vanadium	0.1043	0.0050	0.1	0	104	80-120	0			
Zinc	0.1025	0.010	0.1	0	102	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **57969** Instrument ID **ICPMS2** Method: **SW6020A**

MS Sample ID: **14041179-19CMS** Units: **mg/L** Analysis Date: **5/3/2014 05:29 AM**
Client ID: **WG-017360-042234-MR-063** Run ID: **ICPMS2_140502A** SeqNo: **2743315** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1017	0.0050	0.1	0.0005434	101	75-125	0			
Arsenic	0.1155	0.0050	0.1	0.01584	99.7	75-125	0			
Barium	0.1393	0.0050	0.1	0.03817	101	75-125	0			
Beryllium	0.1009	0.0020	0.1	-2.379E-06	101	75-125	0			
Cadmium	0.1017	0.0020	0.1	0.00004086	102	75-125	0			
Cobalt	0.1044	0.0050	0.1	0.002062	102	75-125	0			
Copper	0.1203	0.0050	0.1	0.01955	101	75-125	0			
Lead	0.1121	0.0050	0.1	0.01069	101	75-125	0			
Manganese	0.2994	0.0050	0.1	0.2046	94.8	75-125	0			
Molybdenum	0.213	0.0050	0.1	0.1128	100	75-125	0			
Nickel	0.1111	0.0050	0.1	0.01238	98.7	75-125	0			
Selenium	0.09868	0.0050	0.1	0.0009537	97.7	75-125	0			
Silver	0.09225	0.0050	0.1	8.957E-06	92.2	75-125	0			
Thallium	0.09525	0.0050	0.1	-1.092E-05	95.3	75-125	0			
Vanadium	0.1121	0.0050	0.1	0.006511	106	75-125	0			
Zinc	0.1152	0.010	0.1	0.01177	103	75-125	0			

MS Sample ID: **14041179-19CMS** Units: **mg/L** Analysis Date: **5/3/2014 08:48 PM**
Client ID: **WG-017360-042234-MR-063** Run ID: **ICPMS2_140503A** SeqNo: **2743692** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.09559	0.0050	0.1	0.0007009	94.9	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **57969** Instrument ID **ICPMS2** Method: **SW6020A**

MSD Sample ID: **14041179-19CMSD** Units: **mg/L** Analysis Date: **5/3/2014 05:35 AM**
Client ID: **WG-017360-042234-MR-063** Run ID: **ICPMS2_140502A** SeqNo: **2743316** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.1011	0.0050	0.1	0.0005434	101	75-125	0.1017	0.592	20	
Arsenic	0.1155	0.0050	0.1	0.01584	99.7	75-125	0.1155	0	20	
Barium	0.1418	0.0050	0.1	0.03817	104	75-125	0.1393	1.78	20	
Beryllium	0.103	0.0020	0.1	-2.379E-06	103	75-125	0.1009	2.06	20	
Cadmium	0.1033	0.0020	0.1	0.00004086	103	75-125	0.1017	1.56	20	
Cobalt	0.1061	0.0050	0.1	0.002062	104	75-125	0.1044	1.62	20	
Copper	0.1222	0.0050	0.1	0.01955	103	75-125	0.1203	1.57	20	
Lead	0.1142	0.0050	0.1	0.01069	104	75-125	0.1121	1.86	20	
Manganese	0.3041	0.0050	0.1	0.2046	99.5	75-125	0.2994	1.56	20	
Molybdenum	0.2169	0.0050	0.1	0.1128	104	75-125	0.213	1.81	20	
Nickel	0.1125	0.0050	0.1	0.01238	100	75-125	0.1111	1.25	20	
Selenium	0.09876	0.0050	0.1	0.0009537	97.8	75-125	0.09868	0.081	20	
Silver	0.09145	0.0050	0.1	8.957E-06	91.4	75-125	0.09225	0.871	20	
Thallium	0.09747	0.0050	0.1	-1.092E-05	97.5	75-125	0.09525	2.3	20	
Vanadium	0.1138	0.0050	0.1	0.006511	107	75-125	0.1121	1.51	20	
Zinc	0.1164	0.010	0.1	0.01177	105	75-125	0.1152	1.04	20	

MSD Sample ID: **14041179-19CMSD** Units: **mg/L** Analysis Date: **5/3/2014 08:54 PM**
Client ID: **WG-017360-042234-MR-063** Run ID: **ICPMS2_140503A** SeqNo: **2743693** Prep Date: **4/25/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.0962	0.0050	0.1	0.0007009	95.5	75-125	0.09559	0.636	20	

The following samples were analyzed in this batch:

14041179-12B	14041179-13B	14041179-19C
14041179-20C	14041179-21C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

MBLK Sample ID: **SBLKW1-58013-58013** Units: **µg/L** Analysis Date: **4/28/2014 03:53 PM**
Client ID: Run ID: **SVMS7_140428A** SeqNo: **2736331** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1`-Biphenyl	U	5.0								
2,4,5-Trichlorophenol	U	5.0								
2,4,6-Trichlorophenol	U	5.0								
2,4-Dichlorophenol	U	10								
2,4-Dimethylphenol	U	5.0								
2,4-Dinitrophenol	U	5.0								
2,4-Dinitrotoluene	U	5.0								
2,6-Dinitrotoluene	U	5.0								
2-Chloronaphthalene	U	5.0								
2-Chlorophenol	U	5.0								
2-Methylnaphthalene	U	5.0								
2-Methylphenol	U	5.0								
2-Nitroaniline	U	20								
2-Nitrophenol	U	5.0								
3,3´-Dichlorobenzidine	U	5.0								
3-Nitroaniline	U	20								
4,6-Dinitro-2-methylphenol	U	20								
4-Bromophenyl phenyl ether	U	5.0								
4-Chloro-3-methylphenol	U	5.0								
4-Chloroaniline	U	20								
4-Chlorophenyl phenyl ether	U	5.0								
4-Methylphenol	U	5.0								
4-Nitroaniline	U	20								
4-Nitrophenol	U	20								
Acenaphthene	U	5.0								
Acenaphthylene	U	5.0								
Acetophenone	U	1.0								
Anthracene	U	5.0								
Atrazine	U	1.0								
Benzaldehyde	U	1.0								
Benzo(a)anthracene	U	5.0								
Benzo(a)pyrene	U	5.0								
Benzo(b)fluoranthene	U	5.0								
Benzo(g,h,i)perylene	U	5.0								
Benzo(k)fluoranthene	U	5.0								
Bis(2-chloroethoxy)methane	U	5.0								
Bis(2-chloroethyl)ether	U	5.0								
Bis(2-chloroisopropyl)ether	U	5.0								
Bis(2-ethylhexyl)phthalate	U	5.0								
Butyl benzyl phthalate	U	5.0								
Caprolactam	U	10								
Carbazole	U	10								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

Chrysene	U	5.0					
Dibenzo(a,h)anthracene	U	5.0					
Dibenzofuran	U	5.0					
Diethyl phthalate	U	20					
Dimethyl phthalate	U	20					
Di-n-butyl phthalate	U	5.0					
Di-n-octyl phthalate	U	5.0					
Fluoranthene	U	5.0					
Fluorene	U	5.0					
Hexachlorobenzene	U	5.0					
Hexachlorobutadiene	U	5.0					
Hexachlorocyclopentadiene	U	20					
Hexachloroethane	U	5.0					
Indeno(1,2,3-cd)pyrene	U	5.0					
Isophorone	U	5.0					
Naphthalene	U	5.0					
Nitrobenzene	U	5.0					
N-Nitrosodi-n-propylamine	U	5.0					
N-Nitrosodiphenylamine	U	5.0					
Pentachlorophenol	U	20					
Phenanthrene	U	5.0					
Phenol	U	5.0					
Pyrene	U	5.0					
Surr: 2,4,6-Tribromophenol	*30.44*	0	*50*	0	*60.9*	*38-115*	0
Surr: 2-Fluorobiphenyl	*29.26*	0	*50*	0	*58.5*	*32-100*	0
Surr: 2-Fluorophenol	*16.57*	0	*50*	0	*33.1*	*22-59*	0
Surr: 4-Terphenyl-d14	*48.74*	0	*50*	0	*97.5*	*23-112*	0
Surr: Nitrobenzene-d5	*24.09*	0	*50*	0	*48.2*	*31-93*	0
Surr: Phenol-d6	*8.24*	0	*50*	0	*16.5*	*13-36*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

LCS Sample ID: **SLCSW1-58013-58013** Units: **µg/L** Analysis Date: **4/28/2014 03:30 PM**
Client ID: Run ID: **SVMS7_140428A** SeqNo: **2736330** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	14.55	5.0	20	0	72.8	50-110	0			
2,4,6-Trichlorophenol	14.71	5.0	20	0	73.6	50-115	0			
2,4-Dichlorophenol	11.61	10	20	0	58	50-105	0			
2,4-Dimethylphenol	11.51	5.0	20	0	57.6	30-110	0			
2,4-Dinitrophenol	11.96	5.0	20	0	59.8	15-140	0			
2,4-Dinitrotoluene	14.37	5.0	20	0	71.8	50-120	0			
2,6-Dinitrotoluene	14.8	5.0	20	0	74	50-115	0			
2-Chloronaphthalene	14.49	5.0	20	0	72.4	50-105	0			
2-Chlorophenol	11.47	5.0	20	0	57.4	35-105	0			
2-Methylnaphthalene	13.04	5.0	20	0	65.2	45-105	0			
2-Methylphenol	9.29	5.0	20	0	46.4	40-110	0			
2-Nitroaniline	15.32	20	20	0	76.6	50-115	0			J
2-Nitrophenol	13.55	5.0	20	0	67.8	40-115	0			
3-Nitroaniline	14.84	20	20	0	74.2	20-125	0			J
4,6-Dinitro-2-methylphenol	15	20	20	0	75	40-130	0			J
4-Bromophenyl phenyl ether	14.3	5.0	20	0	71.5	50-115	0			
4-Chloro-3-methylphenol	12.67	5.0	20	0	63.4	45-110	0			
4-Chloroaniline	12.23	20	20	0	61.2	15-110	0			J
4-Chlorophenyl phenyl ether	13.78	5.0	20	0	68.9	50-110	0			
4-Methylphenol	8.37	5.0	20	0	41.8	30-110	0			
4-Nitroaniline	13.23	20	20	0	66.2	35-150	0			J
4-Nitrophenol	6.73	20	20	0	33.6	1-58	0			J
Acenaphthene	15.09	5.0	20	0	75.4	45-110	0			
Acenaphthylene	14.81	5.0	20	0	74	50-105	0			
Anthracene	15.85	5.0	20	0	79.2	55-110	0			
Benzo(a)anthracene	15.28	5.0	20	0	76.4	55-110	0			
Benzo(a)pyrene	16.02	5.0	20	0	80.1	55-110	0			
Benzo(b)fluoranthene	16.22	5.0	20	0	81.1	45-120	0			
Benzo(g,h,i)perylene	15.4	5.0	20	0	77	40-125	0			
Benzo(k)fluoranthene	16.59	5.0	20	0	83	45-125	0			
Bis(2-chloroethoxy)methane	14.5	5.0	20	0	72.5	45-105	0			
Bis(2-chloroethyl)ether	14.9	5.0	20	0	74.5	35-110	0			
Bis(2-chloroisopropyl)ether	13.33	5.0	20	0	66.6	25-130	0			
Bis(2-ethylhexyl)phthalate	17.86	5.0	20	0	89.3	40-125	0			
Butyl benzyl phthalate	18.19	5.0	20	0	91	45-115	0			
Carbazole	16.65	10	20	0	83.2	50-150	0			
Chrysene	15.74	5.0	20	0	78.7	55-110	0			
Dibenzo(a,h)anthracene	14.6	5.0	20	0	73	40-125	0			
Dibenzofuran	14.29	5.0	20	0	71.4	55-105	0			
Diethyl phthalate	14.47	20	20	0	72.4	40-120	0			J
Dimethyl phthalate	16.25	20	20	0	81.2	25-125	0			J
Di-n-butyl phthalate	15.76	5.0	20	0	78.8	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	19.48	5.0	20	0	97.4	35-135	0	
Fluoranthene	15.75	5.0	20	0	78.8	55-115	0	
Fluorene	15.76	5.0	20	0	78.8	50-110	0	
Hexachlorobenzene	14.95	5.0	20	0	74.8	50-110	0	
Hexachlorobutadiene	14.25	5.0	20	0	71.2	25-105	0	
Hexachlorocyclopentadiene	6.82	20	20	0	34.1	25-105	0	J
Hexachloroethane	16	5.0	20	0	80	30-95	0	
Indeno(1,2,3-cd)pyrene	15.36	5.0	20	0	76.8	45-125	0	
Isophorone	14.49	5.0	20	0	72.4	50-110	0	
Naphthalene	13.97	5.0	20	0	69.8	40-100	0	
Nitrobenzene	16.72	5.0	20	0	83.6	45-110	0	
N-Nitrosodi-n-propylamine	14.51	5.0	20	0	72.6	35-130	0	
N-Nitrosodiphenylamine	15.38	5.0	20	0	76.9	50-110	0	
Pentachlorophenol	11.2	20	20	0	56	40-115	0	J
Phenanthrene	14.97	5.0	20	0	74.8	50-115	0	
Phenol	4.62	5.0	20	0	23.1	12-43	0	J
Pyrene	15.69	5.0	20	0	78.4	50-130	0	
Surr: 2,4,6-Tribromophenol	*34.99*	0	*50*	0	*70*	*38-115*	0	
Surr: 2-Fluorobiphenyl	*38.09*	0	*50*	0	*76.2*	*32-100*	0	
Surr: 2-Fluorophenol	*18.28*	0	*50*	0	*36.6*	*22-59*	0	
Surr: 4-Terphenyl-d14	*46.23*	0	*50*	0	*92.5*	*23-112*	0	
Surr: Nitrobenzene-d5	*34.48*	0	*50*	0	*69*	*31-93*	0	
Surr: Phenol-d6	*9.95*	0	*50*	0	*19.9*	*13-36*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

MS Sample ID: **14041179-19B MS** Units: **µg/L** Analysis Date: **4/29/2014 12:11 PM**

Client ID: **WG-017360-042234-MR-063** Run ID: **SVMS4_140429A** SeqNo: **2737886** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	160.5	50	200	0	80.2	50-110	0			
2,4,6-Trichlorophenol	156.8	50	200	0	78.4	50-115	0			
2,4-Dichlorophenol	138.7	100	200	0	69.4	50-105	0			
2,4-Dimethylphenol	150.6	50	200	4.19	73.2	30-110	0			
2,4-Dinitrophenol	170.8	50	200	0	85.4	15-140	0			
2,4-Dinitrotoluene	154.4	50	200	0	77.2	50-120	0			
2,6-Dinitrotoluene	161.5	50	200	0	80.8	50-115	0			
2-Chloronaphthalene	144	50	200	0	72	50-105	0			
2-Chlorophenol	128.7	50	200	0	64.4	35-105	0			
2-Methylnaphthalene	140.3	50	200	0	70.2	45-105	0			
2-Methylphenol	117.2	50	200	2.26	57.5	40-110	0			
2-Nitroaniline	161.4	200	200	0	80.7	50-115	0			J
2-Nitrophenol	133.4	50	200	0	66.7	40-115	0			
3-Nitroaniline	164.7	200	200	0	82.4	20-125	0			J
4,6-Dinitro-2-methylphenol	127.6	200	200	0	63.8	40-130	0			J
4-Bromophenyl phenyl ether	155.1	50	200	0	77.6	50-115	0			
4-Chloro-3-methylphenol	147.5	50	200	0	73.8	45-110	0			
4-Chloroaniline	206	200	200	0	103	15-110	0			
4-Chlorophenyl phenyl ether	143.6	50	200	0	71.8	50-110	0			
4-Methylphenol	114.4	50	200	8.88	52.8	30-110	0			
4-Nitroaniline	184.2	200	200	0	92.1	35-150	0			J
4-Nitrophenol	72.2	200	200	0	36.1	1-58	0			J
Acenaphthene	146.1	50	200	0	73	45-110	0			
Acenaphthylene	148.9	50	200	0	74.4	50-105	0			
Anthracene	161.3	50	200	0	80.6	55-110	0			
Benzo(a)anthracene	167.4	50	200	0	83.7	55-110	0			
Benzo(a)pyrene	162.9	50	200	0	81.4	55-110	0			
Benzo(b)fluoranthene	160.2	50	200	0	80.1	45-120	0			
Benzo(g,h,i)perylene	164.1	50	200	0	82	40-125	0			
Benzo(k)fluoranthene	154.1	50	200	0	77	45-125	0			
Bis(2-chloroethoxy)methane	137.4	50	200	0	68.7	45-105	0			
Bis(2-chloroethyl)ether	132.3	50	200	0	66.2	35-110	0			
Bis(2-chloroisopropyl)ether	135.4	50	200	0	67.7	25-130	0			
Bis(2-ethylhexyl)phthalate	153.1	50	200	0	76.6	40-125	0			
Butyl benzyl phthalate	178.3	50	200	0	89.2	45-115	0			
Carbazole	203.5	100	200	0	102	50-150	0			
Chrysene	155.2	50	200	0	77.6	55-110	0			
Dibenzo(a,h)anthracene	162.9	50	200	0	81.4	40-125	0			
Dibenzofuran	145	50	200	0	72.5	55-105	0			
Diethyl phthalate	169.1	200	200	0	84.6	40-120	0			J
Dimethyl phthalate	159.6	200	200	0	79.8	25-125	0			J
Di-n-butyl phthalate	159.4	50	200	0	79.7	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	143.8	50	200	0	71.9	35-135	0	
Fluoranthene	173.3	50	200	0	86.6	55-115	0	
Fluorene	151.1	50	200	0	75.6	50-110	0	
Hexachlorobenzene	145	50	200	0	72.5	50-110	0	
Hexachlorobutadiene	129.5	50	200	0	64.8	25-105	0	
Hexachlorocyclopentadiene	64.2	200	200	0	32.1	25-105	0	J
Hexachloroethane	140.2	50	200	0	70.1	30-95	0	
Indeno(1,2,3-cd)pyrene	158.8	50	200	0	79.4	45-125	0	
Isophorone	148.2	50	200	0	74.1	50-110	0	
Naphthalene	129.5	50	200	2.75	63.4	40-100	0	
Nitrobenzene	139.1	50	200	0	69.6	45-110	0	
N-Nitrosodi-n-propylamine	152.1	50	200	0	76	35-130	0	
N-Nitrosodiphenylamine	184.6	50	200	0	92.3	50-110	0	
Pentachlorophenol	280	200	200	0	140	40-115	0	S
Phenanthrene	154.9	50	200	0	77.4	50-115	0	
Phenol	71.7	50	200	23.45	24.1	12-43	0	
Pyrene	161.3	50	200	0	80.6	50-130	0	
Surr: 2,4,6-Tribromophenol	*434.7*	0	*500*	0	*86.9*	*38-115*	0	
Surr: 2-Fluorobiphenyl	*354.4*	0	*500*	0	*70.9*	*32-100*	0	
Surr: 2-Fluorophenol	*193.2*	0	*500*	0	*38.6*	*22-59*	0	
Surr: 4-Terphenyl-d14	*426.4*	0	*500*	0	*85.3*	*23-112*	0	
Surr: Nitrobenzene-d5	*344.2*	0	*500*	0	*68.8*	*31-93*	0	
Surr: Phenol-d6	*119.2*	0	*500*	0	*23.8*	*13-36*	0	

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

MSD Sample ID: **14041179-19B MSD** Units: **µg/L** Analysis Date: **4/29/2014 12:44 PM**

Client ID: **WG-017360-042234-MR-063** Run ID: **SVMS4_140429A** SeqNo: **2737887** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	166.6	50	200	0	83.3	50-110	160.5	3.73	30	
2,4,6-Trichlorophenol	162.2	50	200	0	81.1	50-115	156.8	3.39	30	
2,4-Dichlorophenol	140.8	100	200	0	70.4	50-105	138.7	1.5	30	
2,4-Dimethylphenol	153.8	50	200	4.19	74.8	30-110	150.6	2.1	30	
2,4-Dinitrophenol	183.7	50	200	0	91.8	15-140	170.8	7.28	30	
2,4-Dinitrotoluene	160.8	50	200	0	80.4	50-120	154.4	4.06	30	
2,6-Dinitrotoluene	165.5	50	200	0	82.8	50-115	161.5	2.45	30	
2-Chloronaphthalene	146.7	50	200	0	73.4	50-105	144	1.86	30	
2-Chlorophenol	130.2	50	200	0	65.1	35-105	128.7	1.16	30	
2-Methylnaphthalene	138.4	50	200	0	69.2	45-105	140.3	1.36	30	
2-Methylphenol	122.7	50	200	2.26	60.2	40-110	117.2	4.59	30	
2-Nitroaniline	165.7	200	200	0	82.8	50-115	161.4	0	30	J
2-Nitrophenol	132.2	50	200	0	66.1	40-115	133.4	0.904	30	
3-Nitroaniline	167.5	200	200	0	83.8	20-125	164.7	0	30	J
4,6-Dinitro-2-methylphenol	138.6	200	200	0	69.3	40-130	127.6	0	30	J
4-Bromophenyl phenyl ether	160.1	50	200	0	80	50-115	155.1	3.17	30	
4-Chloro-3-methylphenol	151.4	50	200	0	75.7	45-110	147.5	2.61	30	
4-Chloroaniline	207.3	200	200	0	104	15-110	206	0.629	30	
4-Chlorophenyl phenyl ether	147.8	50	200	0	73.9	50-110	143.6	2.88	30	
4-Methylphenol	121.2	50	200	8.88	56.2	30-110	114.4	5.77	30	
4-Nitroaniline	203.5	200	200	0	102	35-150	184.2	9.96	30	
4-Nitrophenol	80.3	200	200	0	40.2	1-58	72.2	0	0	J
Acenaphthene	149.3	50	200	0	74.6	45-110	146.1	2.17	30	
Acenaphthylene	151.6	50	200	0	75.8	50-105	148.9	1.8	30	
Anthracene	166.6	50	200	0	83.3	55-110	161.3	3.23	30	
Benzo(a)anthracene	172	50	200	0	86	55-110	167.4	2.71	30	
Benzo(a)pyrene	170	50	200	0	85	55-110	162.9	4.27	30	
Benzo(b)fluoranthene	158.6	50	200	0	79.3	45-120	160.2	1	30	
Benzo(g,h,i)perylene	166.4	50	200	0	83.2	40-125	164.1	1.39	30	
Benzo(k)fluoranthene	169.4	50	200	0	84.7	45-125	154.1	9.46	30	
Bis(2-chloroethoxy)methane	137.8	50	200	0	68.9	45-105	137.4	0.291	30	
Bis(2-chloroethyl)ether	128.3	50	200	0	64.2	35-110	132.3	3.07	30	
Bis(2-chloroisopropyl)ether	130.2	50	200	0	65.1	25-130	135.4	3.92	30	
Bis(2-ethylhexyl)phthalate	161.4	50	200	0	80.7	40-125	153.1	5.28	30	
Butyl benzyl phthalate	183.9	50	200	0	92	45-115	178.3	3.09	30	
Carbazole	212	100	200	0	106	50-150	203.5	4.09	30	
Chrysene	162.7	50	200	0	81.4	55-110	155.2	4.72	30	
Dibenzo(a,h)anthracene	165.3	50	200	0	82.6	40-125	162.9	1.46	30	
Dibenzofuran	148.2	50	200	0	74.1	55-105	145	2.18	30	
Diethyl phthalate	168.9	200	200	0	84.4	40-120	169.1	0	30	J
Dimethyl phthalate	165	200	200	0	82.5	25-125	159.6	0	30	J
Di-n-butyl phthalate	166.7	50	200	0	83.4	55-115	159.4	4.48	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **58013** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	153	50	200	0	76.5	35-135	143.8	6.2	30	
Fluoranthene	177.8	50	200	0	88.9	55-115	173.3	2.56	30	
Fluorene	154	50	200	0	77	50-110	151.1	1.9	30	
Hexachlorobenzene	148.9	50	200	0	74.4	50-110	145	2.65	30	
Hexachlorobutadiene	125.8	50	200	0	62.9	25-105	129.5	2.9	30	
Hexachlorocyclopentadiene	63.7	200	200	0	31.8	25-105	64.2	0	30	J
Hexachloroethane	134.7	50	200	0	67.4	30-95	140.2	4	30	
Indeno(1,2,3-cd)pyrene	161.7	50	200	0	80.8	45-125	158.8	1.81	30	
Isophorone	147.8	50	200	0	73.9	50-110	148.2	0.27	30	
Naphthalene	127.8	50	200	2.75	62.5	40-100	129.5	1.32	30	
Nitrobenzene	135.9	50	200	0	68	45-110	139.1	2.33	30	
N-Nitrosodi-n-propylamine	151.1	50	200	0	75.6	35-130	152.1	0.66	30	
N-Nitrosodiphenylamine	191.2	50	200	0	95.6	50-110	184.6	3.51	30	
Pentachlorophenol	279.9	200	200	0	140	40-115	280	0.0357	30	S
Phenanthrene	160	50	200	0	80	50-115	154.9	3.24	30	
Phenol	75.6	50	200	23.45	26.1	12-43	71.7	5.3	30	
Pyrene	166.1	50	200	0	83	50-130	161.3	2.93	30	
Surr: 2,4,6-Tribromophenol	*442.9*	0	*500*	0	*88.6*	*38-115*	434.7	*1.87*	*40*	
Surr: 2-Fluorobiphenyl	*359.2*	0	*500*	0	*71.8*	*32-100*	354.4	*1.35*	*40*	
Surr: 2-Fluorophenol	*200*	0	*500*	0	*40*	*22-59*	193.2	*3.46*	*40*	
Surr: 4-Terphenyl-d14	*438.5*	0	*500*	0	*87.7*	*23-112*	426.4	*2.8*	*40*	
Surr: Nitrobenzene-d5	*328*	0	*500*	0	*65.6*	*31-93*	344.2	*4.82*	*40*	
Surr: Phenol-d6	*127.2*	0	*500*	0	*25.4*	*13-36*	119.2	*6.49*	*40*	

The following samples were analyzed in this batch:

14041179-15B	14041179-16B	14041179-17B
14041179-18B	14041179-19B	14041179-20B
14041179-21B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

MBLK	Sample ID: **VBLKW2-140429-R139810**				Units: **µg/L**			Analysis Date: **4/30/2014 01:39 AM**		
Client ID:		Run ID: **VMS5_140429B**			SeqNo: **2737819**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*19.18*	0	*20*	0	*95.9*	*75-120*	0
Surr: 4-Bromofluorobenzene	*18.31*	0	*20*	0	*91.6*	*80-110*	0
Surr: Dibromofluoromethane	*20.22*	0	*20*	0	*101*	*85-115*	0
Surr: Toluene-d8	*19.03*	0	*20*	0	*95.2*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

LCS	Sample ID: **VLCSW2-140429-R139810**			Units: **µg/L**		Analysis Date: **4/30/2014 12:49 PM**			
Client ID:	Run ID: **VMS5_140429B**			SeqNo: **2737835**		Prep Date:		DF: **1**	

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.63	1.0	20	0	103	75-130	0			
1,1,2,2-Tetrachloroethane	20.66	1.0	20	0	103	75-130	0			
1,1,2-Trichloroethane	20	1.0	20	0	100	75-125	0			
1,1-Dichloroethane	20.01	1.0	20	0	100	75-133	0			
1,1-Dichloroethene	21.51	1.0	20	0	108	70-145	0			
1,2,4-Trichlorobenzene	19.15	1.0	20	0	95.8	70-135	0			
1,2-Dibromo-3-chloropropane	19.08	1.0	20	0	95.4	60-130	0			
1,2-Dibromoethane	22.84	1.0	20	0	114	80-150	0			
1,2-Dichlorobenzene	19.51	1.0	20	0	97.6	70-130	0			
1,2-Dichloroethane	19.21	1.0	20	0	96	78-125	0			
1,2-Dichloropropane	19.86	2.0	20	0	99.3	75-125	0			
1,3-Dichlorobenzene	20.03	2.0	20	0	100	75-130	0			
1,4-Dichlorobenzene	19.37	2.0	20	0	96.8	75-130	0			
2-Butanone	22.41	5.0	20	0	112	55-150	0			
2-Hexanone	21.21	5.0	20	0	106	60-135	0			
4-Methyl-2-pentanone	27.93	5.0	20	0	140	77-178	0			
Acetone	23.86	20	20	0	119	60-160	0			
Benzene	20.03	1.0	20	0	100	85-125	0			
Bromodichloromethane	20.73	1.0	20	0	104	75-125	0			
Bromoform	18.42	1.0	20	0	92.1	60-125	0			
Bromomethane	27.19	1.0	20	0	136	30-185	0			
Carbon disulfide	21.14	2.5	20	0	106	60-165	0			
Carbon tetrachloride	22.13	1.0	20	0	111	65-140	0			
Chlorobenzene	19.97	1.0	20	0	99.8	80-120	0			
Chloroethane	20.52	1.0	20	0	103	50-140	0			
Chloroform	19.17	1.0	20	0	95.8	80-130	0			
Chloromethane	17.49	1.0	20	0	87.4	50-130	0			
cis-1,2-Dichloroethene	19.68	1.0	20	0	98.4	75-134	0			
cis-1,3-Dichloropropene	20.36	1.0	20	0	102	70-130	0			
Dibromochloromethane	17.64	1.0	20	0	88.2	60-115	0			
Dichlorodifluoromethane	17.29	1.0	20	0	86.4	20-120	0			
Ethylbenzene	20.68	1.0	20	0	103	85-125	0			
Isopropylbenzene	20.67	1.0	20	0	103	80-127	0			
Methyl tert-butyl ether	18.94	5.0	20	0	94.7	80-130	0			
Methylene chloride	21.08	5.0	20	0	105	75-140	0			
Styrene	21.2	1.0	20	0	106	85-125	0			
Tetrachloroethene	20.7	2.0	20	0	104	77-138	0			
Toluene	20.04	1.0	20	0	100	85-125	0			
trans-1,2-Dichloroethene	20.96	1.0	20	0	105	80-140	0			
trans-1,3-Dichloropropene	20.39	1.0	20	0	102	81-123	0			
Trichloroethene	20.43	1.0	20	0	102	84-130	0			
Trichlorofluoromethane	21.42	1.0	20	0	107	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	19.88	1.0	20	0	99.4	50-136	0
Xylenes, Total	61.38	3.0	60	0	102	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.1*	0	*20*	0	*95.5*	*75-120*	0
Surr: 4-Bromofluorobenzene	*18.76*	0	*20*	0	*93.8*	*80-110*	0
Surr: Dibromofluoromethane	*20.13*	0	*20*	0	*101*	*85-115*	0
Surr: Toluene-d8	*19.38*	0	*20*	0	*96.9*	*85-110*	0

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

MS	Sample ID: **14041179-19A MS**				Units: **µg/L**			Analysis Date: **4/30/2014 10:27 AM**		
Client ID: **WG-017360-042234-MR-063**		Run ID: **VMS5_140429B**			SeqNo: **2737833**		Prep Date:		DF: **100**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1958	100	2000	0	97.9	75-130	0			
1,1,2,2-Tetrachloroethane	1957	100	2000	0	97.8	75-130	0			
1,1,2-Trichloroethane	1984	100	2000	0	99.2	75-125	0			
1,1-Dichloroethane	1964	100	2000	0	98.2	75-133	0			
1,1-Dichloroethene	2006	100	2000	0	100	70-145	0			
1,2,4-Trichlorobenzene	1772	100	2000	0	88.6	70-135	0			
1,2-Dibromo-3-chloropropane	1553	100	2000	0	77.6	60-130	0			
1,2-Dibromoethane	2257	100	2000	0	113	80-150	0			
1,2-Dichlorobenzene	1827	100	2000	0	91.4	70-130	0			
1,2-Dichloroethane	1971	100	2000	0	98.6	78-125	0			
1,2-Dichloropropane	1941	200	2000	0	97	75-125	0			
1,3-Dichlorobenzene	1831	200	2000	0	91.6	75-130	0			
1,4-Dichlorobenzene	1770	200	2000	0	88.5	75-130	0			
2-Butanone	2083	500	2000	0	104	55-150	0			
2-Hexanone	1907	500	2000	0	95.4	60-135	0			
4-Methyl-2-pentanone	2429	500	2000	0	121	77-178	0			
Acetone	2208	2,000	2000	0	110	60-160	0			
Benzene	2008	100	2000	0	100	85-125	0			
Bromodichloromethane	1988	100	2000	0	99.4	75-125	0			
Bromoform	1577	100	2000	0	78.8	60-125	0			
Bromomethane	2469	100	2000	0	123	30-185	0			
Carbon disulfide	1998	250	2000	0	99.9	60-165	0			
Carbon tetrachloride	1942	100	2000	0	97.1	65-140	0			
Chlorobenzene	1936	100	2000	0	96.8	80-120	0			
Chloroethane	2046	100	2000	0	102	50-140	0			
Chloroform	1936	100	2000	0	96.8	80-130	0			
Chloromethane	1696	100	2000	0	84.8	50-130	0			
cis-1,2-Dichloroethene	1925	100	2000	0	96.2	75-134	0			
cis-1,3-Dichloropropene	1917	100	2000	0	95.8	70-130	0			
Dibromochloromethane	1603	100	2000	0	80.2	60-115	0			
Dichlorodifluoromethane	1514	100	2000	0	75.7	20-120	0			
Ethylbenzene	1936	100	2000	0	96.8	85-125	0			
Isopropylbenzene	1859	100	2000	0	93	80-127	0			
Methyl tert-butyl ether	1925	500	2000	0	96.2	80-130	0			
Methylene chloride	2166	500	2000	0	108	75-140	0			
Styrene	2042	100	2000	0	102	85-125	0			
Tetrachloroethene	1834	200	2000	0	91.7	77-138	0			
Toluene	1945	100	2000	0	97.2	85-125	0			
trans-1,2-Dichloroethene	2073	100	2000	0	104	80-140	0			
trans-1,3-Dichloropropene	1915	100	2000	0	95.8	81-123	0			
Trichloroethene	1990	100	2000	0	99.5	84-130	0			
Trichlorofluoromethane	1882	100	2000	0	94.1	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	1838	100	2000	0	91.9	50-136	0
Xylenes, Total	5722	300	6000	0	95.4	80-126	0
Surr: 1,2-Dichloroethane-d4	*1926*	0	*2000*	0	*96.3*	*75-120*	0
Surr: 4-Bromofluorobenzene	*1877*	0	*2000*	0	*93.8*	*80-110*	0
Surr: Dibromofluoromethane	*1991*	0	*2000*	0	*99.6*	*85-115*	0
Surr: Toluene-d8	*1898*	0	*2000*	0	*94.9*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

MSD Sample ID: **14041179-19A MSD** Units: **µg/L** Analysis Date: **4/30/2014 10:52 AM**

Client ID: **WG-017360-042234-MR-063** Run ID: **VMS5_140429B** SeqNo: **2737834** Prep Date: DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1866	100	2000	0	93.3	75-130	1958	4.81	30	
1,1,2,2-Tetrachloroethane	1972	100	2000	0	98.6	75-130	1957	0.764	30	
1,1,2-Trichloroethane	1951	100	2000	0	97.6	75-125	1984	1.68	30	
1,1-Dichloroethane	1886	100	2000	0	94.3	75-133	1964	4.05	30	
1,1-Dichloroethene	1886	100	2000	0	94.3	70-145	2006	6.17	30	
1,2,4-Trichlorobenzene	1729	100	2000	0	86.4	70-135	1772	2.46	30	
1,2-Dibromo-3-chloropropane	1590	100	2000	0	79.5	60-130	1553	2.35	30	
1,2-Dibromoethane	2208	100	2000	0	110	80-150	2257	2.19	30	
1,2-Dichlorobenzene	1831	100	2000	0	91.6	70-130	1827	0.219	30	
1,2-Dichloroethane	1929	100	2000	0	96.4	78-125	1971	2.15	30	
1,2-Dichloropropane	1881	200	2000	0	94	75-125	1941	3.14	30	
1,3-Dichlorobenzene	1834	200	2000	0	91.7	75-130	1831	0.164	30	
1,4-Dichlorobenzene	1791	200	2000	0	89.6	75-130	1770	1.18	30	
2-Butanone	2079	500	2000	0	104	55-150	2083	0.192	30	
2-Hexanone	1945	500	2000	0	97.2	60-135	1907	1.97	30	
4-Methyl-2-pentanone	2483	500	2000	0	124	77-178	2429	2.2	30	
Acetone	2178	2,000	2000	0	109	60-160	2208	1.37	30	
Benzene	1893	100	2000	0	94.6	85-125	2008	5.9	30	
Bromodichloromethane	1939	100	2000	0	97	75-125	1988	2.5	30	
Bromoform	1567	100	2000	0	78.4	60-125	1577	0.636	30	
Bromomethane	2668	100	2000	0	133	30-185	2469	7.75	30	
Carbon disulfide	1849	250	2000	0	92.4	60-165	1998	7.75	30	
Carbon tetrachloride	1822	100	2000	0	91.1	65-140	1942	6.38	30	
Chlorobenzene	1898	100	2000	0	94.9	80-120	1936	1.98	30	
Chloroethane	1871	100	2000	0	93.6	50-140	2046	8.94	30	
Chloroform	1845	100	2000	0	92.2	80-130	1936	4.81	30	
Chloromethane	1615	100	2000	0	80.8	50-130	1696	4.89	30	
cis-1,2-Dichloroethene	1835	100	2000	0	91.8	75-134	1925	4.79	30	
cis-1,3-Dichloropropene	1888	100	2000	0	94.4	70-130	1917	1.52	30	
Dibromochloromethane	1569	100	2000	0	78.4	60-115	1603	2.14	30	
Dichlorodifluoromethane	1362	100	2000	0	68.1	20-120	1514	10.6	30	
Ethylbenzene	1896	100	2000	0	94.8	85-125	1936	2.09	30	
Isopropylbenzene	1860	100	2000	0	93	80-127	1859	0.0538	30	
Methyl tert-butyl ether	1842	500	2000	0	92.1	80-130	1925	4.41	30	
Methylene chloride	2073	500	2000	0	104	75-140	2166	4.39	30	
Styrene	1986	100	2000	0	99.3	85-125	2042	2.78	30	
Tetrachloroethene	1824	200	2000	0	91.2	77-138	1834	0.547	30	
Toluene	1881	100	2000	0	94	85-125	1945	3.35	30	
trans-1,2-Dichloroethene	1938	100	2000	0	96.9	80-140	2073	6.73	30	
trans-1,3-Dichloropropene	1895	100	2000	0	94.8	81-123	1915	1.05	30	
Trichloroethene	1889	100	2000	0	94.4	84-130	1990	5.21	30	
Trichlorofluoromethane	1775	100	2000	0	88.8	60-140	1882	5.85	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139810** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	1656	100	2000	0	82.8	50-136	1838	10.4	30
Xylenes, Total	5654	300	6000	0	94.2	80-126	5722	1.2	30
Surr: 1,2-Dichloroethane-d4	*1936*	0	*2000*	0	*96.8*	*75-120*	1926	*0.518*	*30*
Surr: 4-Bromofluorobenzene	*1891*	0	*2000*	0	*94.6*	*80-110*	1877	*0.743*	*30*
Surr: Dibromofluoromethane	*1978*	0	*2000*	0	*98.9*	*85-115*	1991	*0.655*	*30*
Surr: Toluene-d8	*1935*	0	*2000*	0	*96.8*	*85-110*	1898	*1.93*	*30*

The following samples were analyzed in this batch:

14041179-15A	14041179-16A	14041179-17A
14041179-19A	14041179-20A	14041179-22A
14041179-23A	14041179-24A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **VBLKW2-140429-R139812** Units: **µg/L** Analysis Date: **4/30/2014 02:47 AM**

Client ID: Run ID: **VMS8_140429B** SeqNo: **2737935** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*20.47*	0	*20*	0	*102*	*75-120*	0
Surr: 4-Bromofluorobenzene	*18.65*	0	*20*	0	*93.2*	*80-110*	0
Surr: Dibromofluoromethane	*20.33*	0	*20*	0	*102*	*85-115*	0
Surr: Toluene-d8	*19.94*	0	*20*	0	*99.7*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

LCS	Sample ID: **VLCSW2-140429-R139812**			Units: **µg/L**			Analysis Date: **4/30/2014 01:34 AM**			
Client ID:		Run ID: **VMS8_140429B**		SeqNo: **2737934**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.39	1.0	20	0	102	75-130	0			
1,1,2,2-Tetrachloroethane	22.23	1.0	20	0	111	75-130	0			
1,1,2-Trichloroethane	20.56	1.0	20	0	103	75-125	0			
1,1-Dichloroethane	21.58	1.0	20	0	108	75-133	0			
1,1-Dichloroethene	20.83	1.0	20	0	104	70-145	0			
1,2,4-Trichlorobenzene	25.02	1.0	20	0	125	70-135	0			
1,2-Dibromo-3-chloropropane	21.02	1.0	20	0	105	60-130	0			
1,2-Dibromoethane	29.65	1.0	20	0	148	80-150	0			
1,2-Dichlorobenzene	22.01	1.0	20	0	110	70-130	0			
1,2-Dichloroethane	22.61	1.0	20	0	113	78-125	0			
1,2-Dichloropropane	21.86	2.0	20	0	109	75-125	0			
1,3-Dichlorobenzene	21.57	2.0	20	0	108	75-130	0			
1,4-Dichlorobenzene	20.9	2.0	20	0	104	75-130	0			
2-Butanone	23.32	5.0	20	0	117	55-150	0			
2-Hexanone	22.47	5.0	20	0	112	60-135	0			
4-Methyl-2-pentanone	28.51	5.0	20	0	143	77-178	0			
Acetone	21.65	20	20	0	108	60-160	0			
Benzene	21.13	1.0	20	0	106	85-125	0			
Bromodichloromethane	21.06	1.0	20	0	105	75-125	0			
Bromoform	19.09	1.0	20	0	95.4	60-125	0			
Bromomethane	24.13	1.0	20	0	121	30-185	0			
Carbon disulfide	23.23	2.5	20	0	116	60-165	0			
Carbon tetrachloride	20.67	1.0	20	0	103	65-140	0			
Chlorobenzene	20.81	1.0	20	0	104	80-120	0			
Chloroethane	17.61	1.0	20	0	88	50-140	0			
Chloroform	21.84	1.0	20	0	109	80-130	0			
Chloromethane	16.69	1.0	20	0	83.4	50-130	0			
cis-1,2-Dichloroethene	21.44	1.0	20	0	107	75-134	0			
cis-1,3-Dichloropropene	20.42	1.0	20	0	102	70-130	0			
Dibromochloromethane	18.17	1.0	20	0	90.8	60-115	0			
Dichlorodifluoromethane	14.33	1.0	20	0	71.6	20-120	0			
Ethylbenzene	20.31	1.0	20	0	102	85-125	0			
Isopropylbenzene	19.87	1.0	20	0	99.4	80-127	0			
Methyl tert-butyl ether	23.28	5.0	20	0	116	80-130	0			
Methylene chloride	24.35	5.0	20	0	122	75-140	0			
Styrene	20.85	1.0	20	0	104	85-125	0			
Tetrachloroethene	22.5	2.0	20	0	112	77-138	0			
Toluene	20.69	1.0	20	0	103	85-125	0			
trans-1,2-Dichloroethene	23.68	1.0	20	0	118	80-140	0			
trans-1,3-Dichloropropene	19.92	1.0	20	0	99.6	81-123	0			
Trichloroethene	22	1.0	20	0	110	84-130	0			
Trichlorofluoromethane	19.11	1.0	20	0	95.6	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

Vinyl chloride	17.23	1.0	20	0	86.2	50-136	0
Xylenes, Total	60.62	3.0	60	0	101	80-126	0
Surr: 1,2-Dichloroethane-d4	*20.71*	0	*20*	0	*104*	*75-120*	0
Surr: 4-Bromofluorobenzene	*19.25*	0	*20*	0	*96.2*	*80-110*	0
Surr: Dibromofluoromethane	*20.11*	0	*20*	0	*101*	*85-115*	0
Surr: Toluene-d8	*19.69*	0	*20*	0	*98.4*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

MS Sample ID: **14041179-01A MS** Units: **µg/L** Analysis Date: **4/30/2014 11:41 AM**

Client ID: **WG-017360-042114-MR-045** Run ID: **VMS8_140429B** SeqNo: **2737952** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.85	1.0	20	0	99.2	75-130	0			
1,1,2,2-Tetrachloroethane	20.46	1.0	20	0	102	75-130	0			
1,1,2-Trichloroethane	18.75	1.0	20	0	93.8	75-125	0			
1,1-Dichloroethane	20.65	1.0	20	0	103	75-133	0			
1,1-Dichloroethene	21	1.0	20	0	105	70-145	0			
1,2,4-Trichlorobenzene	17.88	1.0	20	0	89.4	70-135	0			
1,2-Dibromo-3-chloropropane	18.62	1.0	20	0	93.1	60-130	0			
1,2-Dibromoethane	27.33	1.0	20	0	137	80-150	0			
1,2-Dichlorobenzene	18.47	1.0	20	0	92.4	70-130	0			
1,2-Dichloroethane	20.72	1.0	20	0	104	78-125	0			
1,2-Dichloropropane	19.99	2.0	20	0	100	75-125	0			
1,3-Dichlorobenzene	18.45	2.0	20	0	92.2	75-130	0			
1,4-Dichlorobenzene	18.1	2.0	20	0	90.5	75-130	0			
2-Butanone	21.97	5.0	20	0	110	55-150	0			
2-Hexanone	19.99	5.0	20	0	100	60-135	0			
4-Methyl-2-pentanone	27.79	5.0	20	0	139	77-178	0			
Acetone	20.88	20	20	0	104	60-160	0			
Benzene	19.93	1.0	20	0	99.6	85-125	0			
Bromodichloromethane	19.08	1.0	20	0	95.4	75-125	0			
Bromoform	16.81	1.0	20	0	84	60-125	0			
Bromomethane	32.11	1.0	20	0	161	30-185	0			
Carbon disulfide	21.73	2.5	20	0	109	60-165	0			
Carbon tetrachloride	20.4	1.0	20	0	102	65-140	0			
Chlorobenzene	19.09	1.0	20	0	95.4	80-120	0			
Chloroethane	10.68	1.0	20	0	53.4	50-140	0			
Chloroform	20.77	1.0	20	0	104	80-130	0			
Chloromethane	14.97	1.0	20	0	74.8	50-130	0			
cis-1,2-Dichloroethene	20.98	1.0	20	0	105	75-134	0			
cis-1,3-Dichloropropene	18.05	1.0	20	0	90.2	70-130	0			
Dibromochloromethane	16.57	1.0	20	0	82.8	60-115	0			
Dichlorodifluoromethane	14.3	1.0	20	0	71.5	20-120	0			
Ethylbenzene	19.04	1.0	20	0	95.2	85-125	0			
Isopropylbenzene	18.04	1.0	20	0	90.2	80-127	0			
Methyl tert-butyl ether	21.59	5.0	20	0	108	80-130	0			
Methylene chloride	22.82	5.0	20	0	114	75-140	0			
Styrene	18.66	1.0	20	0	93.3	85-125	0			
Tetrachloroethene	24.03	2.0	20	0	120	77-138	0			
Toluene	19.46	1.0	20	0	97.3	85-125	0			
trans-1,2-Dichloroethene	23.01	1.0	20	0	115	80-140	0			
trans-1,3-Dichloropropene	17.24	1.0	20	0	86.2	81-123	0			
Trichloroethene	22.85	1.0	20	2.75	100	84-130	0			
Trichlorofluoromethane	20.21	1.0	20	0	101	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

Vinyl chloride	16.95	1.0	20	0	84.8	50-136	0
Xylenes, Total	55.87	3.0	60	0	93.1	80-126	0
Surr: 1,2-Dichloroethane-d4	*20.79*	0	*20*	0	*104*	*75-120*	0
Surr: 4-Bromofluorobenzene	*19.5*	0	*20*	0	*97.5*	*80-110*	0
Surr: Dibromofluoromethane	*20*	0	*20*	0	*100*	*85-115*	0
Surr: Toluene-d8	*20.01*	0	*20*	0	*100*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

MSD Sample ID: **14041179-01A MSD** Units: **µg/L** Analysis Date: **4/30/2014 12:05 PM**

Client ID: **WG-017360-042114-MR-045** Run ID: **VMS8_140429B** SeqNo: **2737953** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.31	1.0	20	0	96.6	75-130	19.85	2.76	30	
1,1,2,2-Tetrachloroethane	21.93	1.0	20	0	110	75-130	20.46	6.94	30	
1,1,2-Trichloroethane	19.63	1.0	20	0	98.2	75-125	18.75	4.59	30	
1,1-Dichloroethane	20.63	1.0	20	0	103	75-133	20.65	0.0969	30	
1,1-Dichloroethene	20.75	1.0	20	0	104	70-145	21	1.2	30	
1,2,4-Trichlorobenzene	19.99	1.0	20	0	100	70-135	17.88	11.1	30	
1,2-Dibromo-3-chloropropane	22.32	1.0	20	0	112	60-130	18.62	18.1	30	
1,2-Dibromoethane	28.17	1.0	20	0	141	80-150	27.33	3.03	30	
1,2-Dichlorobenzene	19.5	1.0	20	0	97.5	70-130	18.47	5.43	30	
1,2-Dichloroethane	20.88	1.0	20	0	104	78-125	20.72	0.769	30	
1,2-Dichloropropane	20.42	2.0	20	0	102	75-125	19.99	2.13	30	
1,3-Dichlorobenzene	18.82	2.0	20	0	94.1	75-130	18.45	1.99	30	
1,4-Dichlorobenzene	18.73	2.0	20	0	93.6	75-130	18.1	3.42	30	
2-Butanone	23.95	5.0	20	0	120	55-150	21.97	8.62	30	
2-Hexanone	24.07	5.0	20	0	120	60-135	19.99	18.5	30	
4-Methyl-2-pentanone	32.11	5.0	20	0	161	77-178	27.79	14.4	30	
Acetone	25.71	20	20	0	129	60-160	20.88	20.7	30	
Benzene	19.7	1.0	20	0	98.5	85-125	19.93	1.16	30	
Bromodichloromethane	18.91	1.0	20	0	94.6	75-125	19.08	0.895	30	
Bromoform	17.82	1.0	20	0	89.1	60-125	16.81	5.83	30	
Bromomethane	29.11	1.0	20	0	146	30-185	32.11	9.8	30	
Carbon disulfide	20.77	2.5	20	0	104	60-165	21.73	4.52	30	
Carbon tetrachloride	19.71	1.0	20	0	98.6	65-140	20.4	3.44	30	
Chlorobenzene	19.15	1.0	20	0	95.8	80-120	19.09	0.314	30	
Chloroethane	13.56	1.0	20	0	67.8	50-140	10.68	23.8	30	
Chloroform	20.53	1.0	20	0	103	80-130	20.77	1.16	30	
Chloromethane	15.25	1.0	20	0	76.2	50-130	14.97	1.85	30	
cis-1,2-Dichloroethene	20.81	1.0	20	0	104	75-134	20.98	0.814	30	
cis-1,3-Dichloropropene	18.26	1.0	20	0	91.3	70-130	18.05	1.16	30	
Dibromochloromethane	16.68	1.0	20	0	83.4	60-115	16.57	0.662	30	
Dichlorodifluoromethane	14.3	1.0	20	0	71.5	20-120	14.3	0	30	
Ethylbenzene	19.06	1.0	20	0	95.3	85-125	19.04	0.105	30	
Isopropylbenzene	18.19	1.0	20	0	91	80-127	18.04	0.828	30	
Methyl tert-butyl ether	22.31	5.0	20	0	112	80-130	21.59	3.28	30	
Methylene chloride	22.03	5.0	20	0	110	75-140	22.82	3.52	30	
Styrene	19.03	1.0	20	0	95.2	85-125	18.66	1.96	30	
Tetrachloroethene	23.57	2.0	20	0	118	77-138	24.03	1.93	30	
Toluene	19.39	1.0	20	0	97	85-125	19.46	0.36	30	
trans-1,2-Dichloroethene	22.94	1.0	20	0	115	80-140	23.01	0.305	30	
trans-1,3-Dichloropropene	17.52	1.0	20	0	87.6	81-123	17.24	1.61	30	
Trichloroethene	22.78	1.0	20	2.75	100	84-130	22.85	0.307	30	
Trichlorofluoromethane	19.52	1.0	20	0	97.6	60-140	20.21	3.47	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139812** Instrument ID **VMS8** Method: **SW8260**

Vinyl chloride	16.75	1.0	20	0	83.8	50-136	16.95	1.19	30
Xylenes, Total	56.7	3.0	60	0	94.5	80-126	55.87	1.47	30
Surr: 1,2-Dichloroethane-d4	*20.69*	0	*20*	0	*103*	*75-120*	20.79	*0.482*	*30*
Surr: 4-Bromofluorobenzene	*19.92*	0	*20*	0	*99.6*	*80-110*	19.5	*2.13*	*30*
Surr: Dibromofluoromethane	*19.91*	0	*20*	0	*99.6*	*85-115*	20	*0.451*	*30*
Surr: Toluene-d8	*19.81*	0	*20*	0	*99*	*85-110*	20.01	*1*	*30*

The following samples were analyzed in this batch:

14041179-01A	14041179-02A	14041179-03A
14041179-04A	14041179-05A	14041179-06A
14041179-07A	14041179-08A	14041179-09A
14041179-10A	14041179-11A	14041179-12A
14041179-13A	14041179-18A	14041179-21A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

MBLK	Sample ID: **VBLKW1-140430-R139844**				Units: **µg/L**			Analysis Date: **4/30/2014 02:19 PM**		
Client ID:		Run ID: **VMS5_140430A**			SeqNo: **2739090**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*19.35*	0	*20*	0	*96.8*	*75-120*	0
Surr: 4-Bromofluorobenzene	*18.4*	0	*20*	0	*92*	*80-110*	0
Surr: Dibromofluoromethane	*19.9*	0	*20*	0	*99.5*	*85-115*	0
Surr: Toluene-d8	*19.07*	0	*20*	0	*95.4*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

LCS	Sample ID: **VLCSW1-140430-R139844**				Units: **µg/L**			Analysis Date: **4/30/2014 01:02 PM**		
Client ID:		Run ID: **VMS5_140430A**			SeqNo: **2739089**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.06	1.0	20	0	95.3	75-130	0			
1,1,2,2-Tetrachloroethane	18.78	1.0	20	0	93.9	75-130	0			
1,1,2-Trichloroethane	17.78	1.0	20	0	88.9	75-125	0			
1,1-Dichloroethane	18.41	1.0	20	0	92	75-133	0			
1,1-Dichloroethene	19.39	1.0	20	0	97	70-145	0			
1,2,4-Trichlorobenzene	18.24	1.0	20	0	91.2	70-135	0			
1,2-Dibromo-3-chloropropane	16.39	1.0	20	0	82	60-130	0			
1,2-Dibromoethane	20.38	1.0	20	0	102	80-150	0			
1,2-Dichlorobenzene	17.17	1.0	20	0	85.8	70-130	0			
1,2-Dichloroethane	17.64	1.0	20	0	88.2	78-125	0			
1,2-Dichloropropane	17.96	2.0	20	0	89.8	75-125	0			
1,3-Dichlorobenzene	17.89	2.0	20	0	89.4	75-130	0			
1,4-Dichlorobenzene	17.14	2.0	20	0	85.7	75-130	0			
2-Butanone	21.14	5.0	20	0	106	55-150	0			
2-Hexanone	19.05	5.0	20	0	95.2	60-135	0			
4-Methyl-2-pentanone	25.21	5.0	20	0	126	77-178	0			
Acetone	20.77	20	20	0	104	60-160	0			
Benzene	18.62	1.0	20	0	93.1	85-125	0			
Bromodichloromethane	18.16	1.0	20	0	90.8	75-125	0			
Bromoform	14.97	1.0	20	0	74.8	60-125	0			
Bromomethane	21.87	1.0	20	0	109	30-185	0			
Carbon disulfide	19.34	2.5	20	0	96.7	60-165	0			
Carbon tetrachloride	19.77	1.0	20	0	98.8	65-140	0			
Chlorobenzene	18.16	1.0	20	0	90.8	80-120	0			
Chloroethane	18.83	1.0	20	0	94.2	50-140	0			
Chloroform	17.57	1.0	20	0	87.8	80-130	0			
Chloromethane	15.42	1.0	20	0	77.1	50-130	0			
cis-1,2-Dichloroethene	18.51	1.0	20	0	92.6	75-134	0			
cis-1,3-Dichloropropene	18.6	1.0	20	0	93	70-130	0			
Dibromochloromethane	14.5	1.0	20	0	72.5	60-115	0			
Dichlorodifluoromethane	14.59	1.0	20	0	73	20-120	0			
Ethylbenzene	18.75	1.0	20	0	93.8	85-125	0			
Isopropylbenzene	18.6	1.0	20	0	93	80-127	0			
Methyl tert-butyl ether	16.98	5.0	20	0	84.9	80-130	0			
Methylene chloride	19.26	5.0	20	0	96.3	75-140	0			
Styrene	18.7	1.0	20	0	93.5	85-125	0			
Tetrachloroethene	18.57	2.0	20	0	92.8	77-138	0			
Toluene	18.34	1.0	20	0	91.7	85-125	0			
trans-1,2-Dichloroethene	19.5	1.0	20	0	97.5	80-140	0			
trans-1,3-Dichloropropene	18.14	1.0	20	0	90.7	81-123	0			
Trichloroethene	19.43	1.0	20	0	97.2	84-130	0			
Trichlorofluoromethane	19.3	1.0	20	0	96.5	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	17.45	1.0	20	0	87.2	50-136	0
Xylenes, Total	55.01	3.0	60	0	91.7	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.16*	0	*20*	0	*95.8*	*75-120*	0
Surr: 4-Bromofluorobenzene	*18.67*	0	*20*	0	*93.4*	*80-110*	0
Surr: Dibromofluoromethane	*20.08*	0	*20*	0	*100*	*85-115*	0
Surr: Toluene-d8	*19.13*	0	*20*	0	*95.6*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

MS Sample ID: **14041179-19A MS** Units: **µg/L** Analysis Date: **4/30/2014 11:22 PM**

Client ID: **WG-017360-042234-MR-063** Run ID: **VMS5_140430A** SeqNo: **2739118** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.17	1.0	20	0	106	75-130	0			
1,1,2,2-Tetrachloroethane	18.68	1.0	20	0	93.4	75-130	0			
1,1,2-Trichloroethane	19.37	1.0	20	0	96.8	75-125	0			
1,1-Dichloroethane	20.3	1.0	20	0	102	75-133	0			
1,1-Dichloroethene	22.78	1.0	20	0	114	70-145	0			
1,2,4-Trichlorobenzene	14.52	1.0	20	0	72.6	70-135	0			
1,2-Dibromo-3-chloropropane	15.65	1.0	20	0	78.2	60-130	0			
1,2-Dibromoethane	21.73	1.0	20	0	109	80-150	0			
1,2-Dichlorobenzene	18.4	1.0	20	0	92	70-130	0			
1,2-Dichloroethane	19.27	1.0	20	0	96.4	78-125	0			
1,2-Dichloropropane	19.33	2.0	20	0	96.6	75-125	0			
1,3-Dichlorobenzene	18.04	2.0	20	0	90.2	75-130	0			
1,4-Dichlorobenzene	17.71	2.0	20	0	88.6	75-130	0			
2-Butanone	36.14	5.0	20	16.96	95.9	55-150	0			
2-Hexanone	21.05	5.0	20	0	105	60-135	0			
4-Methyl-2-pentanone	34.64	5.0	20	8.74	130	77-178	0			
Acetone	53.29	20	20	39.83	67.3	60-160	0			
Benzene	20.69	1.0	20	0	103	85-125	0			
Bromodichloromethane	19.1	1.0	20	0	95.5	75-125	0			
Bromoform	15.14	1.0	20	0	75.7	60-125	0			
Bromomethane	9.84	1.0	20	0	49.2	30-185	0			
Carbon disulfide	22.11	2.5	20	0	111	60-165	0			
Carbon tetrachloride	21.79	1.0	20	0	109	65-140	0			
Chlorobenzene	19.84	1.0	20	0	99.2	80-120	0			
Chloroethane	21.65	1.0	20	0	108	50-140	0			
Chloroform	19.36	1.0	20	0	96.8	80-130	0			
Chloromethane	18.76	1.0	20	0	93.8	50-130	0			
cis-1,2-Dichloroethene	21.08	1.0	20	1.21	99.4	75-134	0			
cis-1,3-Dichloropropene	19.46	1.0	20	0	97.3	70-130	0			
Dibromochloromethane	15.2	1.0	20	0	76	60-115	0			
Dichlorodifluoromethane	18.67	1.0	20	0	93.4	20-120	0			
Ethylbenzene	22.48	1.0	20	2.03	102	85-125	0			
Isopropylbenzene	22.55	1.0	20	3.1	97.2	80-127	0			
Methyl tert-butyl ether	18.58	5.0	20	0	92.9	80-130	0			
Methylene chloride	21.16	5.0	20	0	106	75-140	0			
Styrene	20.6	1.0	20	0	103	85-125	0			
Tetrachloroethene	20.21	2.0	20	0	101	77-138	0			
Toluene	20.31	1.0	20	0	102	85-125	0			
trans-1,2-Dichloroethene	21.71	1.0	20	0	109	80-140	0			
trans-1,3-Dichloropropene	19.06	1.0	20	0	95.3	81-123	0			
Trichloroethene	21.31	1.0	20	0	107	84-130	0			
Trichlorofluoromethane	22.85	1.0	20	0	114	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	21.08	1.0	20	0	105	50-136	0
Xylenes, Total	69.15	3.0	60	9.46	99.5	80-126	0
Surr: 1,2-Dichloroethane-d4	*19.2*	0	*20*	0	*96*	*75-120*	0
Surr: 4-Bromofluorobenzene	*19.17*	0	*20*	0	*95.8*	*80-110*	0
Surr: Dibromofluoromethane	*19.77*	0	*20*	0	*98.8*	*85-115*	0
Surr: Toluene-d8	*19.21*	0	*20*	0	*96*	*85-110*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

MSD	Sample ID: **14041179-19A MSD**				Units: **µg/L**			Analysis Date: **4/30/2014 11:48 PM**		
Client ID: **WG-017360-042234-MR-063**	Run ID: **VMS5_140430A**				SeqNo: **2739122**	Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.01	1.0	20	0	100	75-130	21.17	5.63	30	
1,1,2,2-Tetrachloroethane	18.09	1.0	20	0	90.4	75-130	18.68	3.21	30	
1,1,2-Trichloroethane	18.69	1.0	20	0	93.4	75-125	19.37	3.57	30	
1,1-Dichloroethane	19.54	1.0	20	0	97.7	75-133	20.3	3.82	30	
1,1-Dichloroethene	21.6	1.0	20	0	108	70-145	22.78	5.32	30	
1,2,4-Trichlorobenzene	15.19	1.0	20	0	76	70-135	14.52	4.51	30	
1,2-Dibromo-3-chloropropane	15.96	1.0	20	0	79.8	60-130	15.65	1.96	30	
1,2-Dibromoethane	20.9	1.0	20	0	104	80-150	21.73	3.89	30	
1,2-Dichlorobenzene	18.55	1.0	20	0	92.8	70-130	18.4	0.812	30	
1,2-Dichloroethane	18.26	1.0	20	0	91.3	78-125	19.27	5.38	30	
1,2-Dichloropropane	18.16	2.0	20	0	90.8	75-125	19.33	6.24	30	
1,3-Dichlorobenzene	18.27	2.0	20	0	91.4	75-130	18.04	1.27	30	
1,4-Dichlorobenzene	17.64	2.0	20	0	88.2	75-130	17.71	0.396	30	
2-Butanone	37.74	5.0	20	16.96	104	55-150	36.14	4.33	30	
2-Hexanone	21.23	5.0	20	0	106	60-135	21.05	0.851	30	
4-Methyl-2-pentanone	35.31	5.0	20	8.74	133	77-178	34.64	1.92	30	
Acetone	57.58	20	20	39.83	88.8	60-160	53.29	7.74	30	
Benzene	19.34	1.0	20	0	96.7	85-125	20.69	6.74	30	
Bromodichloromethane	17.91	1.0	20	0	89.6	75-125	19.1	6.43	30	
Bromoform	14.46	1.0	20	0	72.3	60-125	15.14	4.59	30	
Bromomethane	4.87	1.0	20	0	24.4	30-185	9.84	67.6	30	SR
Carbon disulfide	20.23	2.5	20	0	101	60-165	22.11	8.88	30	
Carbon tetrachloride	20.53	1.0	20	0	103	65-140	21.79	5.95	30	
Chlorobenzene	18.84	1.0	20	0	94.2	80-120	19.84	5.17	30	
Chloroethane	21.6	1.0	20	0	108	50-140	21.65	0.231	30	
Chloroform	18.77	1.0	20	0	93.8	80-130	19.36	3.09	30	
Chloromethane	17.75	1.0	20	0	88.8	50-130	18.76	5.53	30	
cis-1,2-Dichloroethene	20.2	1.0	20	1.21	95	75-134	21.08	4.26	30	
cis-1,3-Dichloropropene	18.04	1.0	20	0	90.2	70-130	19.46	7.57	30	
Dibromochloromethane	14.31	1.0	20	0	71.6	60-115	15.2	6.03	30	
Dichlorodifluoromethane	18.08	1.0	20	0	90.4	20-120	18.67	3.21	30	
Ethylbenzene	21.89	1.0	20	2.03	99.3	85-125	22.48	2.66	30	
Isopropylbenzene	22.94	1.0	20	3.1	99.2	80-127	22.55	1.71	30	
Methyl tert-butyl ether	18.25	5.0	20	0	91.2	80-130	18.58	1.79	30	
Methylene chloride	20.31	5.0	20	0	102	75-140	21.16	4.1	30	
Styrene	19.67	1.0	20	0	98.4	85-125	20.6	4.62	30	
Tetrachloroethene	19.97	2.0	20	0	99.8	77-138	20.21	1.19	30	
Toluene	19.33	1.0	20	0	96.6	85-125	20.31	4.94	30	
trans-1,2-Dichloroethene	20.73	1.0	20	0	104	80-140	21.71	4.62	30	
trans-1,3-Dichloropropene	18.04	1.0	20	0	90.2	81-123	19.06	5.5	30	
Trichloroethene	19.71	1.0	20	0	98.6	84-130	21.31	7.8	30	
Trichlorofluoromethane	22.06	1.0	20	0	110	60-140	22.85	3.52	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R139844** Instrument ID **VMS5** Method: **SW8260**

Vinyl chloride	19.93	1.0	20	0	99.6	50-136	21.08	5.61	30
Xylenes, Total	67.94	3.0	60	9.46	97.5	80-126	69.15	1.77	30
Surr: 1,2-Dichloroethane-d4	*19.21*	0	*20*	0	*96*	*75-120*	19.2	*0.0521*	*30*
Surr: 4-Bromofluorobenzene	*19.51*	0	*20*	0	*97.6*	*80-110*	19.17	*1.76*	*30*
Surr: Dibromofluoromethane	*19.72*	0	*20*	0	*98.6*	*85-115*	19.77	*0.253*	*30*
Surr: Toluene-d8	*19.25*	0	*20*	0	*96.2*	*85-110*	19.21	*0.208*	*30*

The following samples were analyzed in this batch:

14041179-14A	14041179-15A	14041179-16A
14041179-19A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 14041179
Project: Former GRMP (17360)

QC BATCH REPORT

Batch ID: **R139478** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MB-R139478-R139478** Units: **mg/L** Analysis Date: **4/23/2014 05:00 PM**
Client ID: Run ID: **WETCHEM_140423N** SeqNo: **2727944** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	U	0.0050								

LCS Sample ID: **LCS-R139478-R139478** Units: **mg/L** Analysis Date: **4/23/2014 05:00 PM**
Client ID: Run ID: **WETCHEM_140423N** SeqNo: **2727945** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.204	0.0050	0.2	0	102	80-120	0			

MS Sample ID: **14041075-01D MS** Units: **mg/L** Analysis Date: **4/23/2014 05:00 PM**
Client ID: Run ID: **WETCHEM_140423N** SeqNo: **2727948** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.196	0.0050	0.2	0	98	75-125	0			

MSD Sample ID: **14041075-01D MSD** Units: **mg/L** Analysis Date: **4/23/2014 05:00 PM**
Client ID: Run ID: **WETCHEM_140423N** SeqNo: **2727949** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.2	0.0050	0.2	0	100	75-125	0.196	2.02	30	

The following samples were analyzed in this batch: 14041179-21D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

CHAIN OF CUSTODY RECORD

COC NO.: PL-12387

PAGE 1 OF 2

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02/14-01/14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-025
Project Name: Former GRMP	Lab Contact: Tom Ramish	Lab Quote No.:	Cooler No:
Project Location: Wyoming, MI			Carrier: CRA
Chemistry Contact: Rawn Fleisher			Airbill No:
Sampler(s): Matt Ramsey			Date Shipped: 4/23/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	Metals	SVOCs						MS/MSD Request	Comments/ Special Instructions:
1	WG-017360-042214-MR-045	4/22/14	1007	WG	G		9	2						11	X	X							X	
2	" -046		1125				3	X						4		X								1 HNO3 Bottle
3	" -047		1230											3										
4	" -048		1245											3										
5	" -049		1344					X						4		X								1 HNO3 Bottle
6	" -050		1449											3										
7	" -051		1612											3										
8	" -052		1651											3										
9	WG-017360-042214-MR-053	4/22/14	936					X						4		X								1 HNO3 bottle
10	" -054		1022											3										
11	" -055		1103											3										
12	" -056		1202					X						4		X								1 HNO3 bottle
13	" -057		1246					X						4		X								1 HNO3 bottle
14	" -058		1320											3										
15	" -059		1437			Z								5		X								

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

Total Number of Containers: 60

All Samples in Cooler must be on COC

Notes/ Special Requirements: 4.8c

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matt Ramsey	CRA	4/23/14	1455	1.	ALS	4/23/14	1455
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD

COC NO.: PL-12389

PAGE 2 OF 2

CONESTOGA-ROVERS & ASSOCIATES
14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 017360-T02-14-01-14	Laboratory Name: ALS	Lab Location: Holland, MI	SSOW ID: 017360-025
Project Name: Former GRMP	Lab Contact: Tom Bamish	Lab Quote No:	Cooler No:
Project Location: Wyoming, MI			Carrier: CRA
Chemistry Contact: Rana Fleischer			Airbill No:
Sampler(s): Matt Ramsey			Date Shipped: 4/23/14

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: VOCs	SVOCs	Metals	Hex Cr					MS/MSD Required	Comments/ Special Instructions:
1	WG-017360-042214-MR-060	4/22/14	1403	WG	G	2	3							5	X	X								1 HCl vial damaged in shipping cooler
2	" -061	↓	1528			2	3							5	X	X								
3	WG-017360-042314-MR-062	4/23/14	945			2	3							5	X	X								
4	" -063		1048			4	9	2						15	X	X	X						X	
5	" -064		1127			2	3	1						6	X	X	X						X	
6	" -065		1251			3	3	1						7	X	X	X	X						unpreserved poly for Hex Cr - short hold time -
7	" -066		1328				3							3	X									
8	" -067		1350				3							3	X									
9	TD-017360-042314-MR-068	↓	—	TB	↓		1							1	X									
10																								
11																								
12																								
13																								
14																								
15																								

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other

Total Number of Containers: 50

All Samples in Cooler must be on COC

Notes/ Special Requirements: 4-8-C

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matt R	CRA	4/23/14	1455	1.	ALS	4/23/14	1455
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **CRA - PLYMOUTH** Date/Time Received: **23-Apr-14 14:55**

Work Order: **14041179** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 23-Apr-14 (Date) Reviewed by: Bill Carey (eSignature) 24-Apr-14 (Date)

Matrices: Groundwater

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.8 c		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/23/2014 4:43:34 PM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Attachment C

Data Validation Memoranda

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200
Plymouth, Michigan 48170
Telephone: (734) 453-5123 Fax: (734) 453-5201
www.CRAworld.com

MEMORANDUM

TO:	Jennifer Quigley	REF. NO.:	017360-T02Y14
FROM:	Nancy Bergstrom/tl/69/Det	DATE:	May 19, 2014

RE: Analytical Results and Reduced Validation
Bulk Unload Area – Off-site Investigation
Racer Grand Rapids Stamping Site
Wyoming, Michigan
April 2014

1.0 Introduction

The following document details a reduced validation of analytical results for soil samples collected in support of the Bulk Unload Area – Off-site Investigation at the Racer Grand Rapids Stamping Site during April 2014. Samples were submitted to ALS Environmental, located in Holland, Michigan (ALS-MI). A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spikes (MS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "Former Grand Rapids Metal Plant Quality Assurance Project Plan (QAPP)", Revision 1, January 6, 2011

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

iii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

Items ii) and iii) will subsequently be referred to as the "Guidelines" in this Memorandum.

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REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

2.0 Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3.0 Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Table 4 presents the metals data qualified due to analyte concentrations in the method blank. All remaining method blank results were non-detect or the sample results were greater than five times the method blank results, indicating that laboratory contamination was not a factor.

4.0 Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for target compound list volatile organic compound (TCL VOC), polynuclear aromatic hydrocarbon (PAH), and polychlorinated biphenyl (PCB) determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of PAH analyses. According to the "Guidelines" for PAH analyses, up to one outlying surrogate is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

5.0 Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest (TCL VOC and PAH) or the compounds specified in the method (PCB). All LCS were within the laboratory control limits, demonstrating acceptable analytical accuracy.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". Table 5 presents the metals data qualified due to outlying LCS results. All remaining LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

MS/MSD analyses were performed as specified in Table 1.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest (TCL VOC and PAH) or the compounds specified in the method (PCB). Table 6 presents the TCL VOC and PAH sample results qualified due to outlying MS/MSD results. All remaining percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". Metals data qualified due to outlying MS/MSD results are presented in Table 6. All remaining percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7.0 Field QA/QC Samples

The field QA/QC consisted of one trip blank sample and four field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for TCL VOC analysis. All results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, four field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 100 percent for soil samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is two times the RL value for soil samples.

Table 7 presents the TCL VOC and PAH data qualified due to variability in field duplicate results. All remaining field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8.0 Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

All soil results were reported on a dry weight basis.

9.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

							Analysis/Parameters				
Sample Identification	*Location*	*Matrix*	*Initial Sample Depth (ft. bgs)*	*Final Sample Depth (ft. bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOC*	*PAH*	*PCB*	*TAL Metals*	*Comments*
ALS-MI SDG No.: 1404759											
SO-17360-041414-DR-001	SB317-14	soil	0	2	04/14/2014	9:55	X	X	X	X	
SO-17360-041414-DR-002	SB317-14	soil	2	4	04/14/2014	9:57	X	X	X	X	
SO-17360-041414-DR-003	SB317-14	soil	4	6	04/14/2014	10:10	X	X	X	X	
SO-17360-041414-DR-004	SB317-14	soil	6	8	04/14/2014	10:15	X	X	X	X	
SO-17360-041414-DR-005	SB317-14	soil	8	10	04/14/2014	10:20	X	X	X	X	
SO-17360-041414-DR-006	SB310-14	soil	0	2	04/14/2014	10:25	X	X	X	X	MS/MSD
SO-17360-041414-DR-007	SB310-14	soil	2	4	04/14/2014	10:27	X	X	X	X	
SO-17360-041414-DR-008	SB310-14	soil	4	6	04/14/2014	10:35	X	X	X	X	
SO-17360-041414-DR-009	SB310-14	soil	6	8	04/14/2014	10:40	X	X	X	X	
SO-17360-041414-DR-010	SB310-14	soil	8	10	04/14/2014	10:45	X	X	X	X	MS/MSD
SO-17360-041414-DR-011	SB311-14	soil	0	2	04/14/2014	10:55	X	X	X	X	
SO-17360-041414-DR-012	SB311-14	soil	2	4	04/14/2014	10:57	X	X	X	X	
SO-17360-041414-DR-013	SB311-14	soil	4	6	04/14/2014	11:05	X	X	X	X	
SO-17360-041414-DR-014	SB311-14	soil	6	8	04/14/2014	11:07	X	X	X	X	
SO-17360-041414-DR-015	SB311-14	soil	8	10	04/14/2014	11:10	X	X	X	X	MS/MSD
SO-17360-041414-DR-016	SB318-14	soil	0	2	04/14/2014	11:15	X	X	X	X	
SO-17360-041414-DR-017	SB318-14	soil	2	4	04/14/2014	11:17	X	X	X	X	
SO-17360-041414-DR-018	SB318-14	soil	4	6	04/14/2014	11:20	X	X	X	X	
SO-17360-041414-DR-019	SB318-14	soil	6	8	04/14/2014	11:22	X	X	X	X	
SO-17360-041414-DR-020	SB318-14	soil	8	10	04/14/2014	11:25	X	X	X	X	
SO-17360-041414-DR-021	SB312-14	soil	0	2	04/14/2014	11:45	X	X	X	X	
SO-17360-041414-DR-022	SB312-14	soil	2	4	04/14/2014	11:47	X	X	X	X	
SO-17360-041414-DR-023	SB312-14	soil	4	6	04/14/2014	11:50	X	X	X	X	
SO-17360-041414-DR-024	SB312-14	soil	6	8	04/14/2014	11:52	X	X	X	X	
SO-17360-041414-DR-025	SB312-14	soil	8	10	04/14/2014	11:55	X	X	X	X	
SO-17360-041414-DR-026	SB319-14	soil	0	2	04/14/2014	12:10	X	X	X	X	
SO-17360-041414-DR-027	SB319-14	soil	2	4	04/14/2014	12:12	X	X	X	X	
SO-17360-041414-DR-028	SB319-14	soil	4	6	04/14/2014	12:15	X	X	X	X	
SO-17360-041414-DR-029	SB319-14	soil	6	8	04/14/2014	12:17	X	X	X	X	
SO-17360-041414-DR-030	SB319-14	soil	8	10	04/14/2014	12:20	X	X	X	X	
SO-17360-041414-DR-031	SB313-14	soil	0	2	04/14/2014	13:15	X	X	X	X	
SO-17360-041414-DR-032	SB313-14	soil	2	4	04/14/2014	13:17	X	X	X	X	
SO-17360-041414-DR-033	SB313-14	soil	4	6	04/14/2014	13:20	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

							Analysis/Parameters				
Sample Identification	*Location*	*Matrix*	*Initial Sample Depth (ft. bgs)*	*Final Sample Depth (ft. bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOC*	*PAH*	*PCB*	*TAL Metals*	*Comments*
SO-17360-041414-DR-034	SB313-14	soil	6	8	04/14/2014	13:22	X	X	X	X	
SO-17360-041414-DR-035	SB313-14	soil	8	10	04/14/2014	13:25	X	X	X	X	
SO-17360-041414-DR-036	SB320-14	soil	0	2	04/14/2014	13:45	X	X	X	X	
SO-17360-041414-DR-037	SB320-14	soil	2	4	04/14/2014	13:47	X	X	X	X	
SO-17360-041414-DR-038	SB320-14	soil	4	6	04/14/2014	13:50	X	X	X	X	MS/MSD
SO-17360-041414-DR-039	SB320-14	soil	6	8	04/14/2014	13:52	X	X	X	X	
SO-17360-041414-DR-040	SB320-14	soil	8	10	04/14/2014	13:55	X	X	X	X	
SO-17360-041414-DR-041	SB320-14	soil	8	10	04/14/2014	13:57	X	X	X	X	Field duplicate of SB320-14, 8-10 ft. bgs
SO-17360-041414-DR-042	SB314-14	soil	0	2	04/14/2014	14:05	X	X	X	X	
SO-17360-041414-DR-043	SB314-14	soil	2	4	04/14/2014	14:07	X	X	X	X	
SO-17360-041414-DR-044	SB314-14	soil	4	6	04/14/2014	14:12	X	X	X	X	
SO-17360-041414-DR-045	SB314-14	soil	4	6	04/14/2014	14:15	X	X	X	X	Field duplicate of SB314-14, 4-6 ft. bgs
SO-17360-041414-DR-046	SB314-14	soil	6	8	04/14/2014	14:17	X	X	X	X	
SO-17360-041414-DR-047	SB314-14	soil	8	10	04/14/2014	14:20	X	X	X	X	
SO-17360-041414-DR-048	SB321-14	soil	0	2	04/14/2014	14:35	X	X	X	X	
SO-17360-041414-DR-049	SB321-14	soil	2	4	04/14/2014	14:37	X	X	X	X	
SO-17360-041414-DR-050	SB321-14	soil	4	6	04/14/2014	14:40	X	X	X	X	
SO-17360-041414-DR-051	SB321-14	soil	6	8	04/14/2014	14:42	X	X	X	X	MS/MSD
SO-17360-041414-DR-052	SB321-14	soil	8	10	04/14/2014	14:45	X	X	X	X	
SO-17360-041414-DR-053	SB315-14	soil	0	2	04/14/2014	15:00	X	X	X	X	
SO-17360-041414-DR-054	SB315-14	soil	2	4	04/14/2014	15:02	X	X	X	X	
SO-17360-041414-DR-055	SB315-14	soil	2	4	04/14/2014	15:05	X	X	X	X	Field duplicate of SB315-14, 2-4 ft. bgs
SO-17360-041414-DR-056	SB315-14	soil	4	6	04/14/2014	15:07	X	X	X	X	
SO-17360-041414-DR-057	SB315-14	soil	6	8	04/14/2014	15:12	X	X	X	X	
SO-17360-041414-DR-058	SB315-14	soil	8	10	04/14/2014	15:15	X	X	X	X	
SO-17360-041414-DR-059	SB322-14	soil	0	2	04/14/2014	15:30	X	X	X	X	MS/MSD
SO-17360-041414-DR-060	SB322-14	soil	2	4	04/14/2014	15:32	X	X	X	X	
SO-17360-041414-DR-061	SB322-14	soil	4	6	04/14/2014	15:35	X	X	X	X	
SO-17360-041414-DR-062	SB322-14	soil	6	8	04/14/2014	15:37	X	X	X	X	
SO-17360-041414-DR-063	SB322-14	soil	8	10	04/14/2014	15:40	X	X	X	X	
SO-17360-041414-DR-064	SB316-14	soil	0	2	04/14/2014	15:50	X	X	X	X	
SO-17360-041414-DR-065	SB316-14	soil	2	4	04/14/2014	15:52	X	X	X	X	
SO-17360-041414-DR-066	SB316-14	soil	4	6	04/14/2014	15:55	X	X	X	X	MS/MSD
SO-17360-041414-DR-067	SB316-14	soil	6	8	04/14/2014	15:57	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

							Analysis/Parameters				
Sample Identification	*Location*	*Matrix*	*Initial Sample Depth (ft. bgs)*	*Final Sample Depth (ft. bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOC*	*PAH*	*PCB*	*TAL Metals*	*Comments*
SO-17360-041414-DR-068	SB316-14	soil	6	8	04/14/2014	16:00	X	X	X	X	Field duplicate of SB316-14, 6-8 ft. bgs
SO-17360-041414-DR-069	SB316-14	soil	8	10	04/14/2014	16:05	X	X	X	X	
SO-17360-041414-DR-070	SB323-14	soil	0	2	04/14/2014	16:20	X	X	X	X	
SO-17360-041414-DR-071	SB323-14	soil	2	4	04/14/2014	16:22	X	X	X	X	MS/MSD
SO-17360-041414-DR-072	SB323-14	soil	4	6	04/14/2014	16:25	X	X	X	X	
SO-17360-041414-DR-073	SB323-14	soil	6	8	04/14/2014	16:27	X	X	X	X	
SO-17360-041414-DR-074	SB323-14	soil	8	10	04/14/2014	16:30	X	X	X	X	
TB-17360-041414	--	soil	--	--	04/14/2014	--	X				

Notes:

ft. bgs - Feet below ground surface.
TCL VOC - Target Compound List Volatile Organic Compounds
PAH - Polynuclear Aromatic Hydrocarbons
PCB - Polychlorinated biphenyls
TAL - Target Analyte List
ALS- MI - ALS Environmental - Holland, Michigan
SDG - Sample Delivery Group

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Method*	*Matrix*	*Preservation*	*Holding Time*	
				Collection to Extraction (Days)	*Collection or Extraction to Analysis (Days)*
TCL VOC	SW-846 8260B	Soil	Iced, 4 ± 2° C	-	14
PAH	SW-846 8270C	Soil	Iced, 4 ± 2° C	14	40
PCB	SW-846 8082	Soil	Iced, 4 ± 2° C	14	40
TAL Metals (except Mercury)	SW-846 6020A	Soil	Iced, 4 ± 2° C	-	180
Mercury	SW-846 7471A	Soil	Iced, 4 ± 2° C	-	28

Notes

SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
TCL VOC - Target Compound List Volatile Organic Compounds
PAH - Polynuclear Aromatic Hydrocarbons
PCB - Polychlorinated biphenyls
TAL - Target Analyte List

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Analyte*	*Analysis Date*	*Blank Result*	*Sample ID*	*Original Result*	*Qualified Result*	*Units*
TAL Metals	Lead	04/26/14	0.0447 J	SO-17360-041414-DR-009	1.1 J	17 U	mg/kg
				SO-17360-041414-DR-014	1.0 J	17 U	mg/kg
				SO-17360-041414-DR-019	0.97 J	18 U	mg/kg

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
TAL - Target Analyte List

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Analyte*	*LCS Date*	*LCS (percent)*	*Control Limits (percent)*	*Associated Sample ID*	*Qualified Results*	*Units*
TAL Metals	Lead	04/26/14	122	80-120	SO-17360-041414-DR-007	110 J	mg/kg
					SO-17360-041414-DR-008	3.7 J	mg/kg
					SO-17360-041414-DR-010	3.0 J	mg/kg
					SO-17360-041414-DR-011	270 J	mg/kg
					SO-17360-041414-DR-012	130 J	mg/kg
					SO-17360-041414-DR-013	12 J	mg/kg
					SO-17360-041414-DR-015	2.3 J	mg/kg
					SO-17360-041414-DR-016	51 J	mg/kg
					SO-17360-041414-DR-017	110 J	mg/kg
					SO-17360-041414-DR-018	41 J	mg/kg
					SO-17360-041414-DR-020	2.1 J	mg/kg
					SO-17360-041414-DR-021	160 J	mg/kg
					SO-17360-041414-DR-022	160 J	mg/kg
					SO-17360-041414-DR-023	650 J	mg/kg
					SO-17360-041414-DR-024	2.4 J	mg/kg
					SO-17360-041414-DR-025	1.7 J	mg/kg
					SO-17360-041414-DR-026	180 J	mg/kg
TAL Metals	Selenium	04/26/14	78.8	80-120	SO-17360-041414-DR-007	2.0 J	mg/kg
					SO-17360-041414-DR-008	0.55 J	mg/kg
					SO-17360-041414-DR-009	0.78 J	mg/kg
					SO-17360-041414-DR-010	0.87 J	mg/kg
					SO-17360-041414-DR-011	2.8 J	mg/kg
					SO-17360-041414-DR-012	1.5 J	mg/kg
					SO-17360-041414-DR-013	1.4 J	mg/kg
					SO-17360-041414-DR-014	0.90 J	mg/kg
					SO-17360-041414-DR-015	1.1 J	mg/kg
					SO-17360-041414-DR-016	1.6 J	mg/kg
					SO-17360-041414-DR-017	2.1 J	mg/kg
					SO-17360-041414-DR-018	1.8 J	mg/kg
					SO-17360-041414-DR-019	1.2 J	mg/kg
					SO-17360-041414-DR-020	1.2 J	mg/kg

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Analyte*	*LCS Date*	*LCS (percent)*	*Control Limits (percent)*	*Associated Sample ID*	*Qualified Results*	*Units*
TAL Metals	Selenium	04/26/14	78.8	80-120	SO-17360-041414-DR-021	1.3 J	mg/kg
					SO-17360-041414-DR-022	1.2 J	mg/kg
					SO-17360-041414-DR-023	1.2 J	mg/kg
					SO-17360-041414-DR-024	0.84 J	mg/kg
					SO-17360-041414-DR-025	0.75 J	mg/kg
					SO-17360-041414-DR-026	2.6 J	mg/kg

Notes:

LCS - Laboratory control sample.
J - Estimated concentration.
TAL - Target Analyte List

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TCL VOC	SO-17360-041414-DR-059	Chloroethane	20.6	23.4	12.7	40-155	30	200 UJ	µg/kg
TCL VOC	SO-17360-041414-DR-066	Chloroethane	17.8	17.8	0.562	40-155	30	210 UJ	µg/kg
TCL VOC	SO-17360-041414-DR-071	Toluene	178	160	4.76	70-125	30	5300 J	µg/kg
		Xylenes, total	136	130	2.35	75-125	30	6500 J	µg/kg
PAH	SO-17360-041414-DR-071	2-Methylnaphthalene	230	212	5.8	45-105	30	77 J	µg/kg
		Benzo(g,h,i)perylene	35.9	33.3	5.65	40-125	30	24 J	µg/kg
		Naphthalene	179	177	0.708	40-105	30	57 J	µg/kg
		Phenanthrene	158	153	0.882	50-110	30	66 J	µg/kg
TAL Metals	SO-17360-041414-DR-007	Barium	157	258	20	75-125	25	62 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	14 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	53 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	16 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	130 J	mg/kg
TAL Metals	SO-17360-041414-DR-008	Barium	157	258	20	75-125	25	29 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	4.3 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	3.4 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	4.2 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	620 J	mg/kg
TAL Metals	SO-17360-041414-DR-009	Barium	157	258	20	75-125	25	250 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	2.3 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	4.0 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	4.9 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	8.2 J	mg/kg
TAL Metals	SO-17360-041414-DR-010	Barium	157	258	20	75-125	25	21 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	14 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-010	Copper	66.8	67.6	1.01	75-125	25	6.1 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	9.6 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	14 J	mg/kg
TAL Metals	SO-17360-041414-DR-011	Barium	157	258	20	75-125	25	89 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	41 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	200 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	56 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	150 J	mg/kg
TAL Metals	SO-17360-041414-DR-012	Barium	157	258	20	75-125	25	39 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	7.8 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	41 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	12 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	16 J	mg/kg
TAL Metals	SO-17360-041414-DR-013	Barium	157	258	20	75-125	25	32 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	6.4 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	20 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	7.2 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	5.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-014	Barium	157	258	20	75-125	25	270 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	2.5 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	4.2 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	4.9 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	6.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-015	Barium	157	258	20	75-125	25	130 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	6.0 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	11 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	6.0 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	14 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Sample ID*	*Analyte*	*MS % Recovery*	*MSD % Recovery*	*RPD (percent)*	*Control Limits*		*Qualified Result*	*Units*
						% Recovery	*RPD*		
TAL Metals	SO-17360-041414-DR-016	Barium	157	258	20	75-125	25	39 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	8.4 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	25 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	12 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	32 J	mg/kg
TAL Metals	SO-17360-041414-DR-017	Barium	157	258	20	75-125	25	53 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	9.2 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	130 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	19 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	30 J	mg/kg
TAL Metals	SO-17360-041414-DR-018	Barium	157	258	20	75-125	25	45 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	6.8 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	26 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	9.9 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	44 J	mg/kg
TAL Metals	SO-17360-041414-DR-019	Barium	157	258	20	75-125	25	220 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	1.5 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	4.1 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	4.8 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	6.9 J	mg/kg
Metals	SO-17360-041414-DR-020	Barium	157	258	20	75-125	25	150 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	4.5 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	4.8 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	5.1 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	11 J	mg/kg
TAL Metals	SO-17360-041414-DR-021	Barium	157	258	20	75-125	25	75 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	17 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Sample ID*	*Analyte*	*MS % Recovery*	*MSD % Recovery*	*RPD (percent)*	*Control Limits*		*Qualified Result*	*Units*
						% Recovery	*RPD*		
TAL Metals	SO-17360-041414-DR-021	Copper	66.8	67.6	1.01	75-125	25	61 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	26 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	140 J	mg/kg
TAL Metals	SO-17360-041414-DR-022	Barium	157	258	20	75-125	25	360 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	17 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	95 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	20 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	150 J	mg/kg
TAL Metals	SO-17360-041414-DR-023	Barium	157	258	20	75-125	25	35 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	8.4 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	44 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	12 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	12 J	mg/kg
TAL Metals	SO-17360-041414-DR-024	Barium	157	258	20	75-125	25	53 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	5.8 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	4.6 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	4.1 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	8.0 J	mg/kg
TAL Metals	SO-17360-041414-DR-025	Barium	157	258	20	75-125	25	40 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	4.7 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	3.8 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	3.6 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	7.9 J	mg/kg
TAL Metals	SO-17360-041414-DR-026	Barium	157	258	20	75-125	25	52 J	mg/kg
		Chromium	1.35	5.74	2.1	75-125	25	11 J	mg/kg
		Copper	66.8	67.6	1.01	75-125	25	100 J	mg/kg
		Nickel	29.2	31.1	1.28	75-125	25	16 J	mg/kg
		Zinc	51.1	52	0.581	75-125	25	79 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-027	Barium	312	234	15	75-125	25	27 J	mg/kg
		Chromium	138	133	1.64	75-125	25	6.5 J	mg/kg
		Nickel	130	130	0.63	75-125	25	8.0 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	12 J	mg/kg
		Zinc	149	173	6.44	75-125	25	13 J	mg/kg
TAL Metals	SO-17360-041414-DR-028	Barium	312	234	15	75-125	25	70 J	mg/kg
		Chromium	138	133	1.64	75-125	25	7.9 J	mg/kg
		Nickel	130	130	0.63	75-125	25	28 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	17 J	mg/kg
		Zinc	149	173	6.44	75-125	25	70 J	mg/kg
TAL Metals	SO-17360-041414-DR-029	Barium	312	234	15	75-125	25	190 J	mg/kg
		Chromium	138	133	1.64	75-125	25	1.7 J	mg/kg
		Nickel	130	130	0.63	75-125	25	5.0 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	4.4 J	mg/kg
		Zinc	149	173	6.44	75-125	25	7.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-030	Barium	312	234	15	75-125	25	140 J	mg/kg
		Chromium	138	133	1.64	75-125	25	5.5 J	mg/kg
		Nickel	130	130	0.63	75-125	25	5.9 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	7.8 J	mg/kg
		Zinc	149	173	6.44	75-125	25	15 J	mg/kg
TAL Metals	SO-17360-041414-DR-031	Barium	312	234	15	75-125	25	85 J	mg/kg
		Chromium	138	133	1.64	75-125	25	18 J	mg/kg
		Nickel	130	130	0.63	75-125	25	32 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	19 J	mg/kg
		Zinc	149	173	6.44	75-125	25	120 J	mg/kg
TAL Metals	SO-17360-041414-DR-032	Barium	312	234	15	75-125	25	42 J	mg/kg
		Chromium	138	133	1.64	75-125	25	6.6 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-032	Nickel	130	130	0.63	75-125	25	8.8 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	14 J	mg/kg
		Zinc	149	173	6.44	75-125	25	47 J	mg/kg
TAL Metals	SO-17360-041414-DR-033	Barium	312	234	15	75-125	25	23 J	mg/kg
		Chromium	138	133	1.64	75-125	25	5.0 J	mg/kg
		Nickel	130	130	0.63	75-125	25	6.8 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	8.1 J	mg/kg
		Zinc	149	173	6.44	75-125	25	6.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-034	Barium	312	234	15	75-125	25	12 J	mg/kg
		Chromium	138	133	1.64	75-125	25	5.1 J	mg/kg
		Nickel	130	130	0.63	75-125	25	4.6 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	5.8 J	mg/kg
		Zinc	149	173	6.44	75-125	25	10 J	mg/kg
TAL Metals	SO-17360-041414-DR-035	Barium	312	234	15	75-125	25	10 J	mg/kg
		Chromium	138	133	1.64	75-125	25	3.5 J	mg/kg
		Nickel	130	130	0.63	75-125	25	2.8 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	4.7 J	mg/kg
		Zinc	149	173	6.44	75-125	25	5.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-036	Barium	312	234	15	75-125	25	54 J	mg/kg
		Chromium	138	133	1.64	75-125	25	5.5 J	mg/kg
		Nickel	130	130	0.63	75-125	25	10 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	10 J	mg/kg
		Zinc	149	173	6.44	75-125	25	14 J	mg/kg
TAL Metals	SO-17360-041414-DR-037	Barium	312	234	15	75-125	25	30 J	mg/kg
		Chromium	138	133	1.64	75-125	25	5.5 J	mg/kg
		Nickel	130	130	0.63	75-125	25	14 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	12 J	mg/kg
		Zinc	149	173	6.44	75-125	25	4.2 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-038	Barium	312	234	15	75-125	25	20 J	mg/kg
		Chromium	138	133	1.64	75-125	25	6.2 J	mg/kg
		Nickel	130	130	0.63	75-125	25	8.0 J	mg/kg
		Vanadium	166	155	3.39	75-125	25	9.4 J	mg/kg
		Zinc	149	173	6.44	75-125	25	22 J	mg/kg
TAL Metals	SO-17360-041414-DR-039	Copper	62.4	136	40.6	75-125	25	5.1 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	4.4 J	mg/kg
TAL Metals	SO-17360-041414-DR-040	Copper	62.4	136	40.6	75-125	25	5.5 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	7.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-041	Copper	62.4	136	40.6	75-125	25	5.6 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	8.0 J	mg/kg
TAL Metals	SO-17360-041414-DR-042	Copper	62.4	136	40.6	75-125	25	94 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	19 J	mg/kg
TAL Metals	SO-17360-041414-DR-043	Copper	62.4	136	40.6	75-125	25	65 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	20 J	mg/kg
TAL Metals	SO-17360-041414-DR-044	Copper	62.4	136	40.6	75-125	25	6.3 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	6.7 J	mg/kg
TAL Metals	SO-17360-041414-DR-045	Copper	62.4	136	40.6	75-125	25	11 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	10 J	mg/kg
TAL Metals	SO-17360-041414-DR-046	Copper	62.4	136	40.6	75-125	25	3.6 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	5.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-047	Copper	62.4	136	40.6	75-125	25	3.6 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	6.2 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-048	Copper	62.4	136	40.6	75-125	25	30 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	38 J	mg/kg
TAL Metals	SO-17360-041414-DR-049	Copper	62.4	136	40.6	75-125	25	55 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	10 J	mg/kg
TAL Metals	SO-17360-041414-DR-050	Copper	62.4	136	40.6	75-125	25	13 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	25 J	mg/kg
TAL Metals	SO-17360-041414-DR-051	Copper	62.4	136	40.6	75-125	25	6.8 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	5.0 J	mg/kg
TAL Metals	SO-17360-041414-DR-052	Copper	62.4	136	40.6	75-125	25	4.3 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	4.7 J	mg/kg
TAL Metals	SO-17360-041414-DR-053	Copper	62.4	136	40.6	75-125	25	120 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	12 J	mg/kg
TAL Metals	SO-17360-041414-DR-054	Copper	62.4	136	40.6	75-125	25	5.2 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	10 J	mg/kg
TAL Metals	SO-17360-041414-DR-055	Copper	62.4	136	40.6	75-125	25	6.8 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	7.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-056	Copper	62.4	136	40.6	75-125	25	4.6 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	7.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-057	Copper	62.4	136	40.6	75-125	25	7.7 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	4.9 J	mg/kg
TAL Metals	SO-17360-041414-DR-058	Copper	62.4	136	40.6	75-125	25	2.5 J	mg/kg
		Vanadium	103	218	51.3	75-125	25	4.9 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-059	Barium	107	346	38.2	75-125	25	49 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	4.4 J	mg/kg
		Lead	48	174	33.9	75-125	25	27 J	mg/kg
		Nickel	155	109	26	75-125	25	12 J	mg/kg
TAL Metals	SO-17360-041414-DR-060	Barium	107	346	38.2	75-125	25	26 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	3.4 J	mg/kg
		Lead	48	174	33.9	75-125	25	15 J	mg/kg
		Nickel	155	109	26	75-125	25	6.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-061	Barium	107	346	38.2	75-125	25	21 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	1.9 J	mg/kg
		Lead	48	174	33.9	75-125	25	4.9 J	mg/kg
		Nickel	155	109	26	75-125	25	4.8 J	mg/kg
TAL Metals	SO-17360-041414-DR-062	Barium	107	346	38.2	75-125	25	20 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	1.5 J	mg/kg
		Lead	48	174	33.9	75-125	25	2.1 J	mg/kg
		Nickel	155	109	26	75-125	25	4.1 J	mg/kg
TAL Metals	SO-17360-041414-DR-063	Barium	107	346	38.2	75-125	25	4.9 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	1.3 J	mg/kg
		Lead	48	174	33.9	75-125	25	1.1 J	mg/kg
		Nickel	155	109	26	75-125	25	3.2 J	mg/kg
TAL Metals	SO-17360-041414-DR-064	Barium	107	346	38.2	75-125	25	67 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	5.7 J	mg/kg
		Lead	48	174	33.9	75-125	25	140 J	mg/kg
		Nickel	155	109	26	75-125	25	22 J	mg/kg
TAL Metals	SO-17360-041414-DR-065	Barium	107	346	38.2	75-125	25	39 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	5.1 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-065	Lead	48	174	33.9	75-125	25	23 J	mg/kg
		Nickel	155	109	26	75-125	25	14 J	mg/kg
TAL Metals	SO-17360-041414-DR-066	Barium	107	346	38.2	75-125	25	24 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	2.7 J	mg/kg
		Lead	48	174	33.9	75-125	25	4.7 J	mg/kg
		Nickel	155	109	26	75-125	25	7.7 J	mg/kg
TAL Metals	SO-17360-041414-DR-067	Barium	107	346	38.2	75-125	25	29 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	2.6 J	mg/kg
		Lead	48	174	33.9	75-125	25	15 J	mg/kg
		Nickel	155	109	26	75-125	25	11 J	mg/kg
TAL Metals	SO-17360-041414-DR-068	Barium	107	346	38.2	75-125	25	35 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	2.7 J	mg/kg
		Lead	48	174	33.9	75-125	25	17 J	mg/kg
		Nickel	155	109	26	75-125	25	9.9 J	mg/kg
TAL Metals	SO-17360-041414-DR-069	Barium	107	346	38.2	75-125	25	23 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	0.87 J	mg/kg
		Lead	48	174	33.9	75-125	25	2.8 J	mg/kg
		Nickel	155	109	26	75-125	25	3.0 J	mg/kg
TAL Metals	SO-17360-041414-DR-070	Barium	107	346	38.2	75-125	25	39 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	3.7 J	mg/kg
		Lead	48	174	33.9	75-125	25	13 J	mg/kg
		Nickel	155	109	26	75-125	25	9.4 J	mg/kg
TAL Metals	SO-17360-041414-DR-071	Barium	107	346	38.2	75-125	25	32 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	2.4 J	mg/kg
		Lead	48	174	33.9	75-125	25	16 J	mg/kg
		Nickel	155	109	26	75-125	25	5.5 J	mg/kg

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
TAL Metals	SO-17360-041414-DR-072	Barium	107	346	38.2	75-125	25	29 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	11 J	mg/kg
		Lead	48	174	33.9	75-125	25	14 J	mg/kg
		Nickel	155	109	26	75-125	25	34 J	mg/kg
TAL Metals	SO-17360-041414-DR-073	Barium	107	346	38.2	75-125	25	190 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	1.4 J	mg/kg
		Lead	48	174	33.9	75-125	25	1.1 J	mg/kg
		Nickel	155	109	26	75-125	25	6.4 J	mg/kg
TAL Metals	SO-17360-041414-DR-074	Barium	107	346	38.2	75-125	25	29 J	mg/kg
		Cobalt	152	96.1	40.1	75-125	25	2.4 J	mg/kg
		Lead	48	174	33.9	75-125	25	2.7 J	mg/kg
		Nickel	155	109	26	75-125	25	7.4 J	mg/kg

Notes:

J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
MS - Matrix spike.
MSD - Matrix spike duplicate.
RPD - Relative percent difference.
TAL - Target Analyte List
TCL VOC - Target Compound List Volatile Organic Compounds
PAH - Polynuclear Aromatic Hydrocarbons

TABLE 7

QUALIFIED SAMPLE DATA DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
BULK UNLOAD AREA - OFF-SITE INVESTIGATION
RACER GRAND RAPIDS STAMPING SITE
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Analyte*	*RPD*	*Sample ID*	*Qualified Result*	*Field Duplicate Sample ID*	*Qualified Result*	*Units*
TCL VOC	Methyl acetate	138	SO-17360-041414-DR-040	220 UJ	SO-17360-041414-DR-041	1200 J	µg/kg
TCL VOC	Ethylbenzene	166	SO-17360-041414-DR-044	350 J	SO-17360-041414-DR-045	33 UJ	µg/kg
	Methyl cyclohexane	178		570 J		33 UJ	µg/kg
	Toluene	190		1300 J		33 UJ	µg/kg
	Cyclohexane	127		150 J		33 UJ	µg/kg
	Xylenes (total)	177		1600 J		99 UJ	µg/kg
	Benzene	108		110 J		33 UJ	µg/kg

Notes:

J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
RPD - Relative percent difference.
TCL VOC - Target Compound List Volatile Organic Compounds

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MEMORANDUM

TO:	Jennifer Quigley	REF. NO.:	017360-T02Y14
FROM:	Ruth Mickle/tl/70/Det	DATE:	May 29, 2014

RE: Analytical Results and Reduced Validation
Additional Site-Wide Investigation
RACER Grand Rapids Stamping Site
Wyoming, Michigan
April 2014

1.0 Introduction

The following document details a reduced validation of analytical results for water samples collected in support of the Additional Site-Wide Investigation at the RACER Grand Rapids Stamping Site during April 2014. Samples were submitted to ALS Environmental located in Holland, Michigan (ALS-MI). A sample collection and analysis summary is presented in Table 1. The validated analytical results for groundwater samples are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes, laboratory control samples, matrix spikes, and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the documents entitled:

i) "Former Grand Rapids Metal Plant Quality Assurance Project Plan (QAPP)", Revision 1, January 6, 2011

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

iii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

Items ii) and iii) will subsequently be referred to as the "Guidelines" in this Memorandum.

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2.0 Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved and delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3.0 Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

Several laboratory method blanks were reported with parameters detected but the associated sample concentrations were either non-detect or exceeded five (5) or 10 (for common laboratory contaminants) times the method blank result; therefore, no qualification was required.

Table 4 presents the metals data qualified due to analyte concentrations in the method blank. All remaining method blank results were non-detect or the sample results were greater than five times the method blank results, indicating that laboratory contamination was not a factor.

4.0 Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for target compound list volatile organic compound (TCL VOC) and target compound list semi-volatile organic compound (TCL SVOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of SVOC analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. One SVOC surrogate recovery was reportedly below the lower control limit in sample WG-017360-042214-MR-061. Further, the recovery was

less than 10 percent. As result, the associated acid extractable SVOCs for the investigative sample were qualified as rejected, as noted in Table 5.

The remaining surrogate recoveries met the above criteria.

5.0 Laboratory Control Sample (LCS) Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of one per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. The LCS recoveries were within the laboratory control limits criteria, demonstrating acceptable analytical accuracy.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

MS/MSD analyses were performed as specified in Table 1.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. The samples that were qualified due to violation of MS/MSD percent recovery criteria are outlined in Table 6. All remaining percent recoveries and RPD values were within the laboratory control limits criteria, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest and the results were evaluated using the "Guidelines". The percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7.0 Field QA/QC Samples

The field QA/QC consisted of two trip blank samples and seven field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. The trip blank results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, seven field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the laboratory reporting limit (RL), the evaluation criteria is one times the RL value for water samples.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8.0 Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL.

9.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

					Analysis/Parameters				
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOCs*	*TCL SVOCs*	*Site TAL Metals*	*Hexavalent Chromium*	*Comments*
ALS-MI SDG No.: 14041038									
SW-017360-041414-MR-001	C-2	water	4/14/2014	10:20	X	--	--	--	
SW-017360-041414-MR-002	C-3	water	4/14/2014	10:45	X	--	--	--	
SW-017360-041414-MR-003	C-1	water	4/14/2014	11:00	X	--	--	--	
WG-017360-041414-MR-004	MW6-03	water	4/14/2014	12:47	X	--	--	--	MS/MSD
WG-017360-041414-MR-005	87-13	water	4/14/2014	13:25	X	--	--	--	
WG-017360-041414-MR-006	87-13	water	4/14/2014	13:40	X	--	--	--	Field duplicate of MR-005
WG-017360-041414-MR-007	MW11S-05	water	4/14/2014	15:54	X	--	--	--	
WG-017360-041414-MR-008	MW11D-04	water	4/14/2014	15:28	X	--	--	--	
WG-017360-041514-MR-009	87-10	water	4/15/2014	10:59	X	--	--	--	
WG-017360-041514-MR-010	87-11	water	4/15/2014	11:30	X	--	X	--	
WG-017360-041514-MR-011	MW9-04	water	4/15/2014	12:16	X	--	--	--	
WG-017360-041514-MR-012	MW8-04	water	4/15/2014	13:00	X	--	--	--	
WG-017360-041514-MR-013	MW5-03	water	4/15/2014	13:32	X	--	--	--	
WG-017360-041514-MR-014	MW10-04	water	4/15/2014	15:52	X	--	--	--	
WG-017360-041514-MR-015	MW4-03	water	4/15/2014	15:53	X	--	--	--	
WG-017360-041614-MR-016	88-4	water	4/16/2014	10:15	X	--	--	--	
WG-017360-041614-MR-017	88-3	water	4/16/2014	11:00	X	--	--	--	
WG-017360-041614-MR-018	88-3	water	4/16/2014	11:30	X	--	--	--	Field duplicate of MR-017
WG-017360-041614-MR-019	88-2	water	4/16/2014	11:53	X	--	--	--	
WG-017360-041614-MR-020	MW17-06	water	4/16/2014	13:59	X	--	--	--	MS/MSD
WG-017360-041614-MR-021	MW48-13	water	4/16/2014	13:06	X	--	--	--	
WG-017360-041614-MR-022	PWDISCH	water	4/16/2014	15:05	X	--	--	--	
WG-017360-041614-MR-023	86-3	water	4/16/2014	15:30	X	--	--	--	
WG-017360-041614-MR-024	MW7-03	water	4/16/2014	15:59	X	--	--	--	
WG-017360-041714-MR-025	87-8	water	4/17/2014	8:55	X	--	--	--	
WG-017360-041714-MR-026	87-9	water	4/17/2014	9:53	X	--	--	--	
WG-017360-041714-MR-027	85-6	water	4/17/2014	11:39	X	X	--	--	
WG-017360-041714-MR-028	MW2-03	water	4/17/2014	12:45	X	--	--	--	
WG-017360-041714-MR-029	MW49-13	water	4/17/2014	14:06	X	--	--	--	
WG-017360-041714-MR-030	MW49-13	water	4/17/2014	14:36	X	--	--	--	Field duplicate of MR-029
WG-017360-041714-MR-031	MW1-03	water	4/17/2014	14:41	X	--	--	--	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

					Analysis/Parameters				
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOCs*	*TCL SVOCs*	*Site TAL Metals*	*Hexavalent Chromium*	*Comments*
ALS-MI SDG No.: 14041038									
WG-017360-041714-MR-032	MW28-12	water	4/17/2014	16:04	X	--	--	--	
WG-017360-041714-MR-033	MW53-12	water	4/17/2014	16:37	X	--	--	--	
WG-017360-041714-MR-034	MW57-13	water	4/17/2014	17:23	X	--	--	--	
WG-017360-041814-MR-035	MW29-12	water	4/18/2014	9:27	X	--	--	--	
WG-017360-041814-MR-036	MW30-12	water	4/18/2014	10:07	X	--	--	--	
WG-017360-041814-MR-037	MW31-12	water	4/18/2014	10:41	X	--	X	--	
WG-017360-041814-MR-038	MW31-12	water	4/18/2014	11:05	X	--	X	--	Field duplicate of MR-037
WG-017360-041814-MR-039	MW32-12	water	4/18/2014	11:35	X	--	--	--	
WG-017360-041814-MR-040	MW58-13	water	4/18/2014	12:18	X	--	--	--	
WG-017360-041814-MR-041	85-1	water	4/18/2014	13:35	X	--	X	--	
WG-017360-041814-MR-042	85-2	water	4/18/2014	14:30	X	--	X	--	
WG-017360-041814-MR-043	MW15-04	water	4/18/2014	15:05	X	--	--	--	
TB-017360-041814-MR-044	Trip Blank	water	4/18/2014	--	X	--	--	--	Trip Blank
ALS-MI SDG No.: 14041179									
WG-017360-042114-MR-045	MW33-12	water	4/21/2014	10:07	X	--	X	--	MS/MSD
WG-017360-042114-MR-046	MW34-12	water	4/21/2014	11:25	X	--	X	--	
WG-017360-042114-MR-047	MW35-12	water	4/21/2014	12:30	X	--	--	--	
WG-017360-042114-MR-048	MW35-12	water	4/21/2014	12:45	X	--	--	--	Field duplicate of MR-047
WG-017360-042114-MR-049	MW39-12	water	4/21/2014	13:44	X	--	X	--	
WG-017360-042114-MR-050	MW40-12	water	4/21/2014	14:49	X	--	--	--	
WG-017360-042114-MR-051	MW41-12	water	4/21/2014	16:12	X	--	--	--	
WG-017360-042114-MR-052	MW27-11	water	4/21/2014	16:51	X	--	--	--	
WG-017360-042214-MR-053	85-7	water	4/22/2014	9:36	X	--	X	--	
WG-017360-042214-MR-054	MW42-12	water	4/22/2014	10:22	X	--	--	--	
WG-017360-042214-MR-055	MW43-12	water	4/22/2014	11:03	X	--	--	--	
WG-017360-042214-MR-056	MW38-12	water	4/22/2014	12:02	X	--	X	--	
WG-017360-042214-MR-057	MW37-12	water	4/22/2014	12:46	X	--	X	--	
WG-017360-042214-MR-058	MW36-12	water	4/22/2014	13:20	X	--	--	--	
WG-017360-042214-MR-059	MW52-12	water	4/22/2014	14:33	X	X	--	--	
WG-017360-042214-MR-060	MW52-12	water	4/22/2014	14:53	X	X	--	--	Field duplicate of MR-059

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

					Analysis/Parameters					
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOCs*	*TCL SVOCs*	*Site TAL Metals*	*Hexavalent Chromium*	*Comments*
ALS-MI SDG No.: 14041179									
WG-017360-042214-MR-061	MW51-12	water	4/22/2014	15:28	X	X	--	--	
WG-017360-042314-MR-062	MW50-12	water	4/23/2014	9:45	X	X	--	--	
WG-017360-042314-MR-063	MW44-12	water	4/23/2014	10:48	X	X	X	--	MS/MSD
WG-017360-042314-MR-064	MW45-12	water	4/23/2014	11:27	X	X	X	--	
WG-017360-042314-MR-065	MW46-12	water	4/23/2014	12:51	X	X	X	X	
WG-017360-042314-MR-066	MW13-04	water	4/23/2014	13:28	X	--	--	--	
WG-017360-042314-MR-067	MW13-04	water	4/23/2014	13:50	X	--	--	--	Field duplicate of MR-067
TB-017360-042314-MR-068	Trip Blank	water	4/23/2014	--	X	--	--	--	

Notes:

MS/MSD - Matrix spike/Matrix spike duplicate
SDG - Sample Delivery Group
SVOC - Semi-volatile organic compounds
TAL - Target analyte list
TCL - Target compound list
VOC - Volatile organic compounds

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*	*87-9*	*87-10*	*87-11*	*87-13*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*	*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*
Sample Type											
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*	*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	0.77 J	1.0 U	1.0 U	1.0 U	1.5	1.0 U	0.61 J	0.62 J	16	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*	*87-9*	*87-10*	*87-11*	*87-13*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*	*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*
Sample Type											
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*	*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	5.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.30 J	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.2	1.0 U	4.5	1.0 U	2.0	3.5	14	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	10 U	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	20 U	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	20 U	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	20 U	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	20 U	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	5.0 U	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*	*87-9*	*87-10*	*87-11*	*87-13*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*	*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*
Sample Type											
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*	*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	20 U	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	20 U	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Acenaphthylene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Acetophenone	ug/L	-	-	1.0 U	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Atrazine	ug/L	-	-	1.0 U	-	-	-	-	-	-	-
Benzaldehyde	ug/L	-	-	1.0 U	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Caprolactam	ug/L	-	-	10 U	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	10 U	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	20 U	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	20 U	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	20 U	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Nitrobenzene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	20 U	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Phenol	ug/L	-	-	5.0 U	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	5.0 U	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*85-1*	*85-2*	*85-6*	*85-7*	*86-3*	*87-8*	*87-9*	*87-10*	*87-11*	*87-13*
Sample Identification		*WG-017360-041814-MR-041*	*WG-017360-041814-MR-042*	*WG-017360-041714-MR-027*	*WG-017360-042214-MR-053*	*WG-017360-041614-MR-023*	*WG-017360-041714-MR-025*	*WG-017360-041714-MR-026*	*WG-017360-041514-MR-009*	*WG-017360-041514-MR-010*	*WG-017360-041414-MR-005*
Sample Date		*4/18/2014*	*4/18/2014*	*4/17/2014*	*4/22/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*
Sample Type											
Segment Depth		*(15.5-20.5) ft BGS*	*(13.5-18.5) ft BGS*	*(19.5-24.5) ft BGS*	*(20.6-25.6) ft BGS*	*(41.5-46.5) ft BGS*	*(19.7-22.7) ft BGS*	*(50.5-53.5) ft BGS*	*(29-32) ft BGS*	*(30-33) ft BGS*	*(40-43) ft BGS*
AOI		*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 6, AOI 25, AOI 1, AOI 4.1*	*AOI 6, AOI 25, AOI 4.1*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*
	Units										
Metals											
Antimony	ug/L	0.052 J	0.34 J	-	0.1 J	-	-	-	-	0.15 J	-
Arsenic	ug/L	4.1 J	5 U	-	5 U	-	-	-	-	5 U	-
Barium	ug/L	72	92	-	48	-	-	-	-	91	-
Beryllium	ug/L	2 U	2 U	-	2 U	-	-	-	-	2 U	-
Cadmium	ug/L	0.47 J	2 U	-	0.17 J	-	-	-	-	0.32 J	-
Chromium	ug/L	5 U	5 U	-	1.3 J	-	-	-	-	5 U	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-	-	-
Cobalt	ug/L	1.4 J	1.4 J	-	1.7 J	-	-	-	-	0.72 J	-
Copper	ug/L	2.2 J	4.4 J	-	5 U	-	-	-	-	1.1 J	-
Lead	ug/L	2 J	1 J	-	0.62 J	-	-	-	-	1.4 J	-
Manganese	ug/L	640	48	-	5 U	-	-	-	-	47	-
Mercury	ug/L	0.2 U	0.2 U	-	0.2 U	-	-	-	-	0.2 U	-
Molybdenum	ug/L	0.21 J	6.8	-	1 J	-	-	-	-	0.36 J	-
Nickel	ug/L	5.2	9.2	-	5 U	-	-	-	-	4.4 J	-
Selenium	ug/L	5 U	1.1 J	-	0.78 J	-	-	-	-	0.92 J	-
Silver	ug/L	5 U	5 U	-	5 U	-	-	-	-	5 U	-
Thallium	ug/L	5 U	5 U	-	5 U	-	-	-	-	5 U	-
Vanadium	ug/L	0.19 J	1.9 J	-	5 U	-	-	-	-	5 U	-
Zinc	ug/L	530	230	-	110	-	-	-	-	850	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrative rule R 299.44 effective December 30, 2013, pursuant to Part 201 of 1994 PA 451 as amended (Part 201 Groundwater Criteria)

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*87-13*	*88-2*	*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*	*MW1-03*	*MW2-03*
Sample Identification		*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*	*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*	*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*
Sample Date		*4/14/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/17/2014*	*4/17/2014*
Sample Type		*Duplicate*			*Duplicate*						
Segment Depth		*(40-43) ft BGS*	*(26-29) ft BGS*	*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*	*(30-35) ft BGS*	*(22-27) ft BGS*
AOI		*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	0.25 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*87-13*	*88-2*	*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*	*MW1-03*	*MW2-03*
Sample Identification		*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*	*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*	*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*
Sample Date		*4/14/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/17/2014*	*4/17/2014*
Sample Type		*Duplicate*			*Duplicate*						
Segment Depth		*(40-43) ft BGS*	*(26-29) ft BGS*	*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*	*(30-35) ft BGS*	*(22-27) ft BGS*
AOI		*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.7	1.0 U	0.75 J	170	5.5
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.1	1.1
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*87-13*	*88-2*	*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*	*MW1-03*	*MW2-03*
Sample Identification		*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*	*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*	*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*
Sample Date		*4/14/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/17/2014*	*4/17/2014*
Sample Type		*Duplicate*			*Duplicate*						
Segment Depth		*(40-43) ft BGS*	*(26-29) ft BGS*	*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*	*(30-35) ft BGS*	*(22-27) ft BGS*
AOI		*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-	-	-	-	-	-
Acetophenone	ug/L	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Atrazine	ug/L	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Caprolactam	ug/L	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*87-13*	*88-2*	*88-3*	*88-3*	*88-4*	*C-1*	*C-2*	*C-3*	*MW1-03*	*MW2-03*
Sample Identification		*WG-017360-041414-MR-006*	*WG-017360-041614-MR-019*	*WG-017360-041614-MR-017*	*WG-017360-041614-MR-018*	*WG-017360-041614-MR-016*	*SW-017360-041414-MR-003*	*SW-017360-041414-MR-001*	*SW-017360-041414-MR-002*	*WG-017360-041714-MR-031*	*WG-017360-041714-MR-028*
Sample Date		*4/14/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/16/2014*	*4/14/2014*	*4/14/2014*	*4/14/2014*	*4/17/2014*	*4/17/2014*
Sample Type		*Duplicate*			*Duplicate*						
Segment Depth		*(40-43) ft BGS*	*(26-29) ft BGS*	*(27-30) ft BGS*	*(27-30) ft BGS*	*(18-21) ft BGS*	*--*	*--*	*--*	*(30-35) ft BGS*	*(22-27) ft BGS*
AOI		*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 1, AOI 4.1*	*AOI 25, AOI 1, AOI 4.1*
	Units										
Metals											
Antimony	ug/L	-	-	-	-	-	-	-	-	-	-
Arsenic	ug/L	-	-	-	-	-	-	-	-	-	-
Barium	ug/L	-	-	-	-	-	-	-	-	-	-
Beryllium	ug/L	-	-	-	-	-	-	-	-	-	-
Cadmium	ug/L	-	-	-	-	-	-	-	-	-	-
Chromium	ug/L	-	-	-	-	-	-	-	-	-	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-	-	-
Cobalt	ug/L	-	-	-	-	-	-	-	-	-	-
Copper	ug/L	-	-	-	-	-	-	-	-	-	-
Lead	ug/L	-	-	-	-	-	-	-	-	-	-
Manganese	ug/L	-	-	-	-	-	-	-	-	-	-
Mercury	ug/L	-	-	-	-	-	-	-	-	-	-
Molybdenum	ug/L	-	-	-	-	-	-	-	-	-	-
Nickel	ug/L	-	-	-	-	-	-	-	-	-	-
Selenium	ug/L	-	-	-	-	-	-	-	-	-	-
Silver	ug/L	-	-	-	-	-	-	-	-	-	-
Thallium	ug/L	-	-	-	-	-	-	-	-	-	-
Vanadium	ug/L	-	-	-	-	-	-	-	-	-	-
Zinc	ug/L	-	-	-	-	-	-	-	-	-	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*	*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*	*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*	*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type											
Segment Depth		*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*	*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	17	1.0 U	1.0 U	17	0.81 J	0.66 J	1.0 U	1.0 U	0.85 J
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.78 J	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*	*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*	*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*	*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type											
Segment Depth		*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*	*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	0.62 J	0.41 J	1.0 U	1.0 U	1.0 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.2	1.0 U	0.34 J	3.4	2.3	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*	*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*	*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*	*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type											
Segment Depth		*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*	*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-	-	-	-	-	-
Acetophenone	ug/L	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Atrazine	ug/L	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Caprolactam	ug/L	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW4-03*	*MW5-03*	*MW6-03*	*MW7-03*	*MW8-04*	*MW9-04*	*MW10-04*	*MW11D-04*	*MW11S-05*	*MW13-04*
Sample Identification		*WG-017360-041514-MR-015*	*WG-017360-041514-MR-013*	*WG-017360-041414-MR-004*	*WG-017360-041614-MR-024*	*WG-017360-041514-MR-012*	*WG-017360-041514-MR-011*	*WG-017360-041514-MR-014*	*WG-017360-041414-MR-008*	*WG-017360-041414-MR-007*	*WG-017360-042314-MR-066*
Sample Date		*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/16/2014*	*4/15/2014*	*4/15/2014*	*4/15/2014*	*4/14/2014*	*4/14/2014*	*4/23/2014*
Sample Type											
Segment Depth		*(52-57) ft BGS*	*(30-35) ft BGS*	*(13-18) ft BGS*	*(36-41) ft BGS*	*(30-35) ft BGS*	*(43-48) ft BGS*	*(33-38) ft BGS*	*(40-45) ft BGS*	*(5-10) ft BGS*	*(25-30) ft BGS*
AOI		*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 4.3*	*AOI 25*	*AOI 25*	*AOI 25*	*AOI 25, AOI 3*	*AOI 25, AOI 3*	*AOI 25, AOI 4.1*
	Units										
Metals											
Antimony	ug/L	-	-	-	-	-	-	-	-	-	-
Arsenic	ug/L	-	-	-	-	-	-	-	-	-	-
Barium	ug/L	-	-	-	-	-	-	-	-	-	-
Beryllium	ug/L	-	-	-	-	-	-	-	-	-	-
Cadmium	ug/L	-	-	-	-	-	-	-	-	-	-
Chromium	ug/L	-	-	-	-	-	-	-	-	-	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-	-	-
Cobalt	ug/L	-	-	-	-	-	-	-	-	-	-
Copper	ug/L	-	-	-	-	-	-	-	-	-	-
Lead	ug/L	-	-	-	-	-	-	-	-	-	-
Manganese	ug/L	-	-	-	-	-	-	-	-	-	-
Mercury	ug/L	-	-	-	-	-	-	-	-	-	-
Molybdenum	ug/L	-	-	-	-	-	-	-	-	-	-
Nickel	ug/L	-	-	-	-	-	-	-	-	-	-
Selenium	ug/L	-	-	-	-	-	-	-	-	-	-
Silver	ug/L	-	-	-	-	-	-	-	-	-	-
Thallium	ug/L	-	-	-	-	-	-	-	-	-	-
Vanadium	ug/L	-	-	-	-	-	-	-	-	-	-
Zinc	ug/L	-	-	-	-	-	-	-	-	-	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*	*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*	*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*
Sample Type		*Duplicate*								*Duplicate*	
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*	*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*	*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	3.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	0.83 J	1.0 U	1.0 U	1.0 U	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*	*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*	*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*
Sample Type		*Duplicate*								*Duplicate*	
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*	*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*	*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	92 J	1.0 U	1.0 U	1.9	4.1	3.7	4.3	1.6
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	8.0	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.4	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.78 J	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*	*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*	*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*
Sample Type		*Duplicate*								*Duplicate*	
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*	*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*	*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-	-	-	-	-	-
Acetophenone	ug/L	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Atrazine	ug/L	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Caprolactam	ug/L	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW13-04*	*MW15-04*	*MW17-06*	*MW27-11*	*MW28-12*	*MW29-12*	*MW30-12*	*MW31-12*	*MW31-12*	*MW32-12*
Sample Identification		*WG-017360-042314-MR-067*	*WG-017360-041814-MR-043*	*WG-017360-041614-MR-020*	*WG-017360-042114-MR-052*	*WG-017360-041714-MR-032*	*WG-017360-041814-MR-035*	*WG-017360-041814-MR-036*	*WG-017360-041814-MR-037*	*WG-017360-041814-MR-038*	*WG-017360-041814-MR-039*
Sample Date		*4/23/2014*	*4/18/2014*	*4/16/2014*	*4/21/2014*	*4/17/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*	*4/18/2014*
Sample Type		*Duplicate*								*Duplicate*	
Segment Depth		*(25-30) ft BGS*	*(25-30) ft BGS*	*(51-56) ft BGS*	*(12.5-17.5) ft BGS*	*(14-19) ft BGS*	*(11.4-21.4) ft BGS*	*(25-30) ft BGS*	*(12.2-22.2) ft BGS*	*(12.2-22.2) ft BGS*	*(13.9-23.9) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 3*	*AOI 27*	*AOI 8.2*	*AOI 15.3*	*AOI 25, AOI 1, AOI 4.1*	*AOI 16.4*	*AOI 16.4*	*AOI 7.1, AOI 26.2*
	Units										
Metals											
Antimony	ug/L	-	-	-	-	-	-	-	0.3 J	0.3 J	-
Arsenic	ug/L	-	-	-	-	-	-	-	5 U	5 U	-
Barium	ug/L	-	-	-	-	-	-	-	23	23	-
Beryllium	ug/L	-	-	-	-	-	-	-	2 U	2 U	-
Cadmium	ug/L	-	-	-	-	-	-	-	2 U	2 U	-
Chromium	ug/L	-	-	-	-	-	-	-	1.7 J	1.6 J	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-	-	-
Cobalt	ug/L	-	-	-	-	-	-	-	1.3 J	1.2 J	-
Copper	ug/L	-	-	-	-	-	-	-	1.6 J	1.4 J	-
Lead	ug/L	-	-	-	-	-	-	-	0.21 J	0.14 J	-
Manganese	ug/L	-	-	-	-	-	-	-	41	27	-
Mercury	ug/L	-	-	-	-	-	-	-	0.2 U	0.2 U	-
Molybdenum	ug/L	-	-	-	-	-	-	-	4.2 J	4.3 J	-
Nickel	ug/L	-	-	-	-	-	-	-	2.7 J	2.6 J	-
Selenium	ug/L	-	-	-	-	-	-	-	1.1 J	1.1 J	-
Silver	ug/L	-	-	-	-	-	-	-	5 U	5 U	-
Thallium	ug/L	-	-	-	-	-	-	-	5 U	5 U	-
Vanadium	ug/L	-	-	-	-	-	-	-	0.3 J	0.19 J	-
Zinc	ug/L	-	-	-	-	-	-	-	4.9 J	2.7 J	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW33-12*	*MW34-12*	*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*	*MW40-12*	*MW41-12*
Sample Identification		*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*	*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*	*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*
Sample Date		*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*
Sample Type					*Duplicate*						
Segment Depth		*(31-36) ft BGS*	*(14.4-24.4) ft BGS*	*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*	*(45-50) ft BGS*	*(18.3-28.3) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 11*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.5	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	25 U	25 U	120 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	6.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	18	2.5	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	2.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	12 J	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW33-12*	*MW34-12*	*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*	*MW40-12*	*MW41-12*
Sample Identification		*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*	*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*	*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*
Sample Date		*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*
Sample Type					*Duplicate*						
Segment Depth		*(31-36) ft BGS*	*(14.4-24.4) ft BGS*	*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*	*(45-50) ft BGS*	*(18.3-28.3) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 11*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	6.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	2.8	5.1	30	31	5.0 U	14	3.5	5.4	5.6	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	14	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	9.2 J	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW33-12*	*MW34-12*	*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*	*MW40-12*	*MW41-12*
Sample Identification		*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*	*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*	*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*
Sample Date		*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*
Sample Type					*Duplicate*						
Segment Depth		*(31-36) ft BGS*	*(14.4-24.4) ft BGS*	*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*	*(45-50) ft BGS*	*(18.3-28.3) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 11*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/L	-	-	-	-	-	-	-	-	-	-
Acetophenone	ug/L	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Atrazine	ug/L	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Caprolactam	ug/L	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/L	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/L	-	-	-	-	-	-	-	-	-	-

TABLE 2

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ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW33-12*	*MW34-12*	*MW35-12*	*MW35-12*	*MW36-12*	*MW37-12*	*MW38-12*	*MW39-12*	*MW40-12*	*MW41-12*
Sample Identification		*WG-017360-042114-MR-045*	*WG-017360-042114-MR-046*	*WG-017360-042114-MR-047*	*WG-017360-042114-MR-048*	*WG-017360-042214-MR-058*	*WG-017360-042214-MR-057*	*WG-017360-042214-MR-056*	*WG-017360-042114-MR-049*	*WG-017360-042114-MR-050*	*WG-017360-042114-MR-051*
Sample Date		*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*	*4/22/2014*	*4/22/2014*	*4/22/2014*	*4/21/2014*	*4/21/2014*	*4/21/2014*
Sample Type					*Duplicate*						
Segment Depth		*(31-36) ft BGS*	*(14.4-24.4) ft BGS*	*(24.6-29.6) ft BGS*	*(24.6-29.6) ft BGS*	*(19.5-29.5) ft BGS*	*(19.4-29.4) ft BGS*	*(20-30) ft BGS*	*(35.4-40.4) ft BGS*	*(45-50) ft BGS*	*(18.3-28.3) ft BGS*
AOI		*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 16.3*	*AOI 25, AOI 4.1*	*AOI 19*	*AOI 25, AOI 4.1*	*AOI 25, AOI 4.1*	*AOI 11*
	Units										
Metals											
Antimony	ug/L	0.19 J	0.21 J	-	-	-	0.078 J	5 U	0.11 J	-	-
Arsenic	ug/L	5 U	5 U	-	-	-	5 U	5.4	5 U	-	-
Barium	ug/L	46	14	-	-	-	54	130	55	-	-
Beryllium	ug/L	2 U	2 U	-	-	-	2 U	2 U	2 U	-	-
Cadmium	ug/L	2 U	0.15 J	-	-	-	2 U	2 U	0.15 J	-	-
Chromium	ug/L	5 U	3.9 J	-	-	-	10	5 U	5 U	-	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-	-	-
Cobalt	ug/L	2.8 J	2.2 J	-	-	-	4.8 J	0.5 J	11	-	-
Copper	ug/L	5 U	5 U	-	-	-	2.4 J	5 U	9.2	-	-
Lead	ug/L	5 U	5 U	-	-	-	0.34 J	5 U	0.23 J	-	-
Manganese	ug/L	370	5 U	-	-	-	61	70	230	-	-
Mercury	ug/L	0.2 U	0.2 U	-	-	-	0.2 U	0.2 U	0.2 U	-	-
Molybdenum	ug/L	15	26	-	-	-	2.1 J	0.51 J	7.2	-	-
Nickel	ug/L	5.4	5 U	-	-	-	5.4	3.6 J	8.1	-	-
Selenium	ug/L	5 U	5 U	-	-	-	5 U	5 U	5 U	-	-
Silver	ug/L	5 U	0.081 J	-	-	-	5 U	5 U	5 U	-	-
Thallium	ug/L	5 U	5 U	-	-	-	5 U	5 U	5 U	-	-
Vanadium	ug/L	5 U	5 U	-	-	-	0.23 J	0.18 J	5 U	-	-
Zinc	ug/L	10 U	10 U	-	-	-	4.1 J	0.59 J	10 U	-	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*	*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*	*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*	*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type									*Duplicate*		
Segment Depth		*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*	*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*	*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	25 U	25 U	17 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	50 U	50 U	8.7 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	40 J	4.0 J	50 U	50 U	50 U	50 U	50 U	4.4 J
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	2.2	2.2	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	5.0 U	5.0 U	3.1 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*	*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*	*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*	*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type									*Duplicate*		
Segment Depth		*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*	*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*	*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units										
Volatile Organic Compounds											
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.73 J	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.2	1.0 U	3.0	1.0 U	1.0 U	170	170	2.9	2.7
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.3	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0 U	3.0 U	9.5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
2,4,5-Trichlorophenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
2,4,6-Trichlorophenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
2,4-Dichlorophenol	ug/L	-	-	10 U	10 U	10 U	-	-	-	10 U	R
2,4-Dimethylphenol	ug/L	-	-	4.2 J	5.0 U	5.0 U	-	-	-	5.0 U	R
2,4-Dinitrophenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
2,4-Dinitrotoluene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
2,6-Dinitrotoluene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
2-Chloronaphthalene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
2-Chlorophenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
2-Methylnaphthalene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
2-Methylphenol	ug/L	-	-	2.3 J	5.0 U	5.0 U	-	-	-	5.0 U	R
2-Nitroaniline	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
2-Nitrophenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
3,3'-Dichlorobenzidine	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
3-Nitroaniline	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
4,6-Dinitro-2-methylphenol	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	R
4-Bromophenyl phenyl ether	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
4-Chloro-3-methylphenol	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	R
4-Chloroaniline	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
4-Chlorophenyl phenyl ether	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U

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RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*	*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*	*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*	*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type									*Duplicate*		
Segment Depth		*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*	*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*	*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units										
Semi-Volatile Organic Compounds											
4-Methylphenol	ug/L	-	-	8.9	5.0 U	5.0 U	-	-	-	5.0 U	R
4-Nitroaniline	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
4-Nitrophenol	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	R
Acenaphthene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Acenaphthylene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Acetophenone	ug/L	-	-	1.0 U	1.0 U	1.0 U	-	-	-	1.0 U	1.0 U
Anthracene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Atrazine	ug/L	-	-	1.0 U	1.0 U	1.0 U	-	-	-	1.0 U	1.0 U
Benzaldehyde	ug/L	-	-	1.0 U	1.0 U	1.0 U	-	-	-	1.0 U	1.0 U
Benzo(a)anthracene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(a)pyrene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(b)fluoranthene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(g,h,i)perylene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Benzo(k)fluoranthene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Chloroethyl)ether	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	0.28 J	5.0 U
Butyl benzylphthalate (BBP)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Caprolactam	ug/L	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U
Carbazole	ug/L	-	-	10 U	10 U	10 U	-	-	-	10 U	10 U
Chrysene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Dibenz(a,h)anthracene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Dibenzofuran	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Diethyl phthalate	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
Dimethyl phthalate	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
Di-n-butylphthalate (DBP)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	0.29 J	5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Fluoranthene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Fluorene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	0.16 J	5.0 U
Hexachlorobenzene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Hexachlorobutadiene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Hexachlorocyclopentadiene	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	20 U
Hexachloroethane	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Isophorone	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	0.51 J
Naphthalene	ug/L	-	-	2.8 J	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Nitrobenzene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
N-Nitrosodi-n-propylamine	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
N-Nitrosodiphenylamine	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Semi-Volatile Organic Compounds											
Pentachlorophenol	ug/L	-	-	20 U	20 U	20 U	-	-	-	20 U	R
Phenanthrene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U
Phenol	ug/L	-	-	23	5.0 U	5.0 U	-	-	-	5.0 U	R
Pyrene	ug/L	-	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW42-12*	*MW43-12*	*MW44-12*	*MW45-12*	*MW46-12*	*MW48-13*	*MW49-13*	*MW49-13*	*MW50-12*	*MW51-12*
Sample Identification		*WG-017360-042214-MR-054*	*WG-017360-042214-MR-055*	*WG-017360-042314-MR-063*	*WG-017360-042314-MR-064*	*WG-017360-042314-MR-065*	*WG-017360-041614-MR-021*	*WG-017360-041714-MR-029*	*WG-017360-041714-MR-030*	*WG-017360-042314-MR-062*	*WG-017360-042214-MR-061*
Sample Date		*4/22/2014*	*4/22/2014*	*4/23/2014*	*4/23/2014*	*4/23/2014*	*4/16/2014*	*4/17/2014*	*4/17/2014*	*4/23/2014*	*4/22/2014*
Sample Type									*Duplicate*		
Segment Depth		*(21-31) ft BGS*	*(15-25) ft BGS*	*(18.5-28.5) ft BGS*	*(19.1-29.1) ft BGS*	*(20.2-30.2) ft BGS*	*(46-51) ft BGS*	*(34-39) ft BGS*	*(34-39) ft BGS*	*(17-27) ft BGS*	*(17-27) ft BGS*
AOI		*AOI 16.1*	*AOI 17.1*	*AOI 6, AOI 25, AOI 19, AOI 4.1*	*AOI 6*	*AOI 6, AOI 25, AOI 4.1*	*AOI 3*	*AOI 1*	*AOI 1*	*AOI 6*	*AOI 6*
	Units										
Metals											
Antimony	ug/L	-	-	0.54 J	0.19 J	0.16 J	-	-	-	-	-
Arsenic	ug/L	-	-	16	1.2 J	5 U	-	-	-	-	-
Barium	ug/L	-	-	38	77	33	-	-	-	-	-
Beryllium	ug/L	-	-	2 U	2 U	2 U	-	-	-	-	-
Cadmium	ug/L	-	-	2 U	2 U	0.11 J	-	-	-	-	-
Chromium	ug/L	-	-	0.7 J	0.27 J	0.64 J	-	-	-	-	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	20 U	-	-	-	-	-
Cobalt	ug/L	-	-	2.1 J	1.5 J	3.1 J	-	-	-	-	-
Copper	ug/L	-	-	20	2.7 J	3.7 J	-	-	-	-	-
Lead	ug/L	-	-	11	0.55 J	0.14 J	-	-	-	-	-
Manganese	ug/L	-	-	200	290	21	-	-	-	-	-
Mercury	ug/L	-	-	0.2 U	0.2 U	0.2 U	-	-	-	-	-
Molybdenum	ug/L	-	-	110	3.9 J	3.3 J	-	-	-	-	-
Nickel	ug/L	-	-	12	5.6	7	-	-	-	-	-
Selenium	ug/L	-	-	5 U	5 U	5 U	-	-	-	-	-
Silver	ug/L	-	-	5 U	5 U	5 U	-	-	-	-	-
Thallium	ug/L	-	-	5 U	5 U	5 U	-	-	-	-	-
Vanadium	ug/L	-	-	6.5	0.71 J	0.27 J	-	-	-	-	-
Zinc	ug/L	-	-	12	2.4 J	3.7 J	-	-	-	-	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*	*Trip Blank*	*Trip Blank*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*	*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*	*4/18/2014*	*4/23/2014*
Sample Type			*Duplicate*					*(other)*	*(other)*
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*		
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*	*NA*	*NA*
	Units								
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	4.0 J	3.5 J	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	5.5 J	5.4 J	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	35 J	31 J	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	0.37 J	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	1.0 U	1.0 U	0.59 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	2.2	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	ug/L	2.6 J	2.7 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*	*Trip Blank*	*Trip Blank*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*	*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*	*4/18/2014*	*4/23/2014*
Sample Type			*Duplicate*					*(other)*	*(other)*
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*		
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*	*NA*	*NA*
	Units								
Volatile Organic Compounds									
Methyl tert butyl ether (MTBE)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.68 J	0.91 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	0.53 J	0.54 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	3.0	3.1	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Semi-Volatile Organic Compounds									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	50 U	50 U	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	50 U	50 U	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	50 U	50 U	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	100 U	100 U	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	50 U	50 U	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	50 U	50 U	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	50 U	50 U	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	50 U	50 U	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	50 U	50 U	-	-	-	-	-	-
2-Chlorophenol	ug/L	50 U	50 U	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	50 U	50 U	-	-	-	-	-	-
2-Methylphenol	ug/L	50 U	50 U	-	-	-	-	-	-
2-Nitroaniline	ug/L	200 U	200 U	-	-	-	-	-	-
2-Nitrophenol	ug/L	50 U	50 U	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	50 U	50 U	-	-	-	-	-	-
3-Nitroaniline	ug/L	200 U	200 U	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	200 U	200 U	-	-	-	-	-	-
4-Bromophenyl phenyl ether	ug/L	50 U	50 U	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	50 U	50 U	-	-	-	-	-	-
4-Chloroaniline	ug/L	200 U	200 U	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	ug/L	50 U	50 U	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*	*Trip Blank*	*Trip Blank*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*	*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*	*4/18/2014*	*4/23/2014*
Sample Type			*Duplicate*					*(other)*	*(other)*
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*		
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*	*NA*	*NA*
	Units								
Semi-Volatile Organic Compounds									
4-Methylphenol	ug/L	50 U	50 U	-	-	-	-	-	-
4-Nitroaniline	ug/L	200 U	200 U	-	-	-	-	-	-
4-Nitrophenol	ug/L	200 U	200 U	-	-	-	-	-	-
Acenaphthene	ug/L	50 U	50 U	-	-	-	-	-	-
Acenaphthylene	ug/L	50 U	50 U	-	-	-	-	-	-
Acetophenone	ug/L	10 U	10 U	-	-	-	-	-	-
Anthracene	ug/L	50 U	50 U	-	-	-	-	-	-
Atrazine	ug/L	10 U	10 U	-	-	-	-	-	-
Benzaldehyde	ug/L	10 U	10 U	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	50 U	50 U	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	50 U	50 U	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	50 U	50 U	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	50 U	50 U	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	50 U	50 U	-	-	-	-	-	-
Biphenyl (1,1-Biphenyl)	ug/L	50 U	50 U	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	ug/L	50 U	50 U	-	-	-	-	-	-
bis(2-Chloroethyl)ether	ug/L	50 U	50 U	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	50 U	50 U	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	ug/L	50 U	50 U	-	-	-	-	-	-
Caprolactam	ug/L	100 U	100 U	-	-	-	-	-	-
Carbazole	ug/L	100 U	100 U	-	-	-	-	-	-
Chrysene	ug/L	50 U	50 U	-	-	-	-	-	-
Dibenz(a,h)anthracene	ug/L	50 U	50 U	-	-	-	-	-	-
Dibenzofuran	ug/L	50 U	50 U	-	-	-	-	-	-
Diethyl phthalate	ug/L	4.8 J	200 U	-	-	-	-	-	-
Dimethyl phthalate	ug/L	200 U	200 U	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	ug/L	50 U	50 U	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	50 U	50 U	-	-	-	-	-	-
Fluoranthene	ug/L	50 U	50 U	-	-	-	-	-	-
Fluorene	ug/L	2.8 J	3.3 J	-	-	-	-	-	-
Hexachlorobenzene	ug/L	50 U	50 U	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	50 U	50 U	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	200 U	200 U	-	-	-	-	-	-
Hexachloroethane	ug/L	50 U	50 U	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	50 U	50 U	-	-	-	-	-	-
Isophorone	ug/L	50 U	50 U	-	-	-	-	-	-
Naphthalene	ug/L	8.0 J	7.8 J	-	-	-	-	-	-
Nitrobenzene	ug/L	50 U	50 U	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	50 U	50 U	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	50 U	50 U	-	-	-	-	-	-
Semi-Volatile Organic Compounds									
Pentachlorophenol	ug/L	61 J	200 U	-	-	-	-	-	-
Phenanthrene	ug/L	50 U	50 U	-	-	-	-	-	-
Phenol	ug/L	50 U	50 U	-	-	-	-	-	-
Pyrene	ug/L	50 U	50 U	-	-	-	-	-	-

TABLE 2

VALIDATED ANALYTICAL RESULTS SUMMARY -GROUNDWATER
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
GRAND RAPIDS, MICHIGAN
APRIL 2014

Sample Location		*MW52-12*	*MW52-12*	*MW53-12*	*MW57-13*	*MW58-13*	*PWDISCH*	*Trip Blank*	*Trip Blank*
Sample Identification		*WG-017360-042214-MR-059*	*WG-017360-042214-MR-060*	*WG-017360-041714-MR-033*	*WG-017360-041714-MR-034*	*WG-017360-041814-MR-040*	*WG-017360-041614-MR-022*	*TB-017360-041814-MR-044*	*TB-017360-042314-MR-068*
Sample Date		*4/22/2014*	*4/22/2014*	*4/17/2014*	*4/17/2014*	*4/18/2014*	*4/16/2014*	*4/18/2014*	*4/23/2014*
Sample Type			*Duplicate*					*(other)*	*(other)*
Segment Depth		*(16.7-26.7) ft BGS*	*(16.7-26.7) ft BGS*	*(13-23) ft BGS*	*(10-20) ft BGS*	*(13.5-18.5) ft BGS*	*(45-55) ft BGS*		
AOI		*AOI 6*	*AOI 6*	*AOI 17.2*	*AOI 31*	*AOI 4.1*	*AOI 25, AOI 4.3*	*NA*	*NA*
	Units								
Metals									
Antimony	ug/L	-	-	-	-	-	-	-	-
Arsenic	ug/L	-	-	-	-	-	-	-	-
Barium	ug/L	-	-	-	-	-	-	-	-
Beryllium	ug/L	-	-	-	-	-	-	-	-
Cadmium	ug/L	-	-	-	-	-	-	-	-
Chromium	ug/L	-	-	-	-	-	-	-	-
Chromium VI (hexavalent)	ug/L	-	-	-	-	-	-	-	-
Cobalt	ug/L	-	-	-	-	-	-	-	-
Copper	ug/L	-	-	-	-	-	-	-	-
Lead	ug/L	-	-	-	-	-	-	-	-
Manganese	ug/L	-	-	-	-	-	-	-	-
Mercury	ug/L	-	-	-	-	-	-	-	-
Molybdenum	ug/L	-	-	-	-	-	-	-	-
Nickel	ug/L	-	-	-	-	-	-	-	-
Selenium	ug/L	-	-	-	-	-	-	-	-
Silver	ug/L	-	-	-	-	-	-	-	-
Thallium	ug/L	-	-	-	-	-	-	-	-
Vanadium	ug/L	-	-	-	-	-	-	-	-
Zinc	ug/L	-	-	-	-	-	-	-	-

(1)MDEQ (Michigan) Generic groundwater cleanup criteria, administrat

Notes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Method*	*Matrix*	*Preservation*	*Holding Time*	
				Collection to Extraction (days)	*Collection or Extraction to Analysis (days)*
TCL VOCs	SW-846 8260B	Water	pH < 2 and Iced, 0-6° C	-	14
TCL SVOCs	SW-846 8270C	Water	Iced, 0-6° C	7	40
Site-specific TAL Metals	SW-846 6020A	Water	pH < 2 and Iced, 0-6° C	-	180
Mercury	SW-846 7470	Water	pH < 2 and Iced, 0-6° C	-	28
Hexavalent Chromium	SW-846 7196	Water	Iced, 0-6° C	-	24 hours

Notes:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
SVOCs - Semi-volatile organic compounds
TAL - Target analyte list
TCL - Target compound list
VOCs - Volatile organic compounds

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Analyte*	*Analysis Date (mm/dd/yyyy)*	*Blank Result*	*Sample ID*	*Original Result*		*Qualified Result*		*Units*
Site TAL Metals	Copper	4/30/2014	0.0008313 J	WG-017360-042114-MR-045	0.0012	J	0.0050	U	mg/L
				WG-017360-042114-MR-046	0.0011	J	0.0050	U	mg/L
				WG-017360-042214-MR-053	0.0021	J	0.0050	U	mg/L
Site TAL Metals	Manganese	4/30/2014	0.0009846J	WG-017360-042114-MR-046	0.0010	J	0.0050	U	mg/L
				WG-017360-042214-MR-053	0.0011	J	0.0050	U	mg/L
Site TAL Metals	Nickel	4/30/2014	0.0006634J	WG-017360-042114-MR-046	0.00083	J	0.0050	U	mg/L
				WG-017360-042214-MR-053	0.0025	J	0.0050	U	mg/L
Site TAL Metals	Selenium	5/3/2014	0.0009204J	WG-017360-042214-MR-057	0.0014	J	0.0050	U	mg/L
				WG-017360-042314-MR-063	0.00095	J	0.0050	U	mg/L
				WG-017360-042314-MR-065	0.0017	J	0.0050	U	mg/L
Site TAL Metals	Vanadium	4/30/2014	0.0004031J	WG-017360-042114-MR-046	0.00030	J	0.0050	U	mg/L
				WG-017360-042114-MR-049	0.00039	J	0.0050	U	mg/L
				WG-017360-042214-MR-053	0.00043	J	0.0050	U	mg/L
Site TAL Metals	Zinc	4/30/2014	0.003088J	WG-017360-042114-MR-045	0.00089	J	0.010	U	mg/L
				WG-017360-042114-MR-046	0.0015	J	0.010	U	mg/L
				WG-017360-042114-MR-049	0.0031	J	0.010	U	mg/L

Notes:

J - Estimated concentration.
U - Not detected at the associated reporting limit.
TAL - Target analyte list

TABLE 5

QUALIFIED SAMPLE DATA DUE TO OUTLYING OF SURROGATE RECOVERIES
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Sample ID*	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Analyte*	*Qualified Result*	*Units*
TCL SVOCs	WG-017360-042214-MR-061	Phenol-d6	5.36	13-36	2,4,5-Trichlorophenol	R	ug/l
					2,4,6-Trichlorophenol	R	ug/l
					2,4-Dichlorophenol	R	ug/l
					2,4-Dimethylphenol	R	ug/l
					2,4-Dinitrophenol	R	ug/l
					2-Chlorophenol	R	ug/l
					2-Methylphenol	R	ug/l
					2-Nitrophenol	R	ug/l
					4,6-Dinitro-2-methylphenol	R	ug/l
					4-Chloro-3-methylphenol	R	ug/l
					4-Methylphenol	R	ug/l
					4-Nitrophenol	R	ug/l
					Pentachlorophenol	R	ug/l
					Phenol	R	ug/l

Notes:

R - Rejected.
SVOCs - Semi-volatile organic compounds
TCL - Target compound list

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
ADDITIONAL SITE-WIDE INVESTIGATION
RACER GRAND RAPIDS STAMPING
WYOMING, MICHIGAN
APRIL 2014

Parameter	*Sample ID*	*Analyte*	*MS % Recovery*	*MSD % Recovery*	*RPD (percent)*	*Control Limits*		*Qualified Sample ID*	*Qualified Result*	*Units*
						% Recovery	*RPD*			
TCL VOCs	WG-017360-041414-MR-004	trans-1,3-Dichloropropene	78.2	77.4	1.03	81-123	30	WG-017360-041414-MR-004	1.0 UJ	ug/l
TCL VOCs	WG-017360-041614-MR-020	trans-1,3-Dichloropropene	73.6	72.4	1.64	81-123	30	WG-017360-041614-MR-020	1.0 UJ	ug/l
		Tetrachloroethene	64	46.6	3.38	77-138	30	WG-017360-041614-MR-020	92 J	ug/l
TCL VOCs	WG-017360-042234-MR-063	Bromomethane	49.2	24.4	67.6	30-185	30	WG-017360-042234-MR-063	5.0 UJ	ug/l

Notes:

J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
VOCs - Volatile organic compounds
TCL - Target compound list