Appendix A

2013 Institutional and Engineering Controls Certification Form

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233 **Phone:** (518) 402-9553 **Fax:** (518) 402-9577 **Website:** www.dec.ny.gov

Joe Martens
Commissioner

November 25, 2013

Joseph Branch Project Coordinator
OCC/Glenn Springs Holdings, Inc.
7601 Old Channel Trail
P.O. Box 146
Montaque, MI 49437

RE: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Love Canal
Site No.: 932020
Site Address: 805 97th Street
Niagara Falls, NY 14304

Dear Joseph Branch:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 31, 2014**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Brian Sadowski, Project Manager, at the following address:

New York State Department of Environmental Conservation
270 Michigan Avenue Buffalo, NY 14203-2915

Phone number: 716-851-7220 E-mail: bpsadows@gw.dec.state.ny.us

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/enclosures
Brian Sadowski, Project Manager
Greg Sutton, Hazardous Waste Remediation Engineer, Region 9
Jane Polovich, Conestoga Rovers and Associates, Inc.

Enclosure 1 Certification

Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- Where the only control is an Institutional Control on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner.
- Where the site has Institutional <u>and</u> Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 932020

Site Name Love Canal

Site Address: 805 97th Street Zip Code: 14304
City/Town: Niagara Falls
County: Niagara
Site Acreage: 70.0

Reporting Period: January 1, 2013 to December 31, 2013

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

SITE NO. 932020

Description of Engineering and Institutional Controls

Boxes 3 and 4

Parcel	Engineering Control	Institutional Control
232 Parcels	Cover System Fencing/Access Control Groundwater Containment Leachate Collection Pump & Treat	Building Use Restriction Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan
161.19-1-1		
161.57-1-1		
161.65-1-1		
161.73-1-1		
161.57-1-2		
161.65-1-2		
161.73-1-2		
161.57-1-3		
161.65-1-3		
161.73-1-3		
161.57-1-4		
161.65-1-4		
161.73-1-4		
161.57-1-5		
161.65-1-5		
161.73-1-5		
161.57-1-6		
161.65-1-6		
161.73-1-6		
161.57-1-7		
161.65-1-7		
161.73-1-7		
161.57-1-8		
161.65-1-8		
161.73-1-8		
161.15-1-9		
161.57-1-9		
161.65-1-9		
161.73-1-9		
161.15-1-10		
161.57-1-10		
161.65-1-10		
161.73-1-10		
161.15-1-11		
161.57-1-11		
161.65-1-11		
161.73-1-11		
161.15-1-12		
161.57-1-12		
161.65-1-12		
161.73-1-12		
161.15-1-13		
161.18-1-13		
161.57-1-13		
161.65-1-13		
161.73-1-13		
161.15-1-14		
161.18-1-14		
161.57-1-14		
161.65-1-14		

161.15-1-15
161.18-1-15
161.57-1-15
161.65-1-15
161.73-1-15
161.15-1-16
161.18-1-16
161.57-1-16
161.65-1-16
161.73-1-16
161.15-1-17
161.18-1-17
161.57-1-17
161.65-1-17
161.73-1-17
161.15-1-18
161.57-1-18
161.65-1-18
161.73-1-18
161.15-1-19
161.18-1-19
161.57-1-19
161.73-1-19
161.15-1-20
161.18-1-20
161.57-1-20
161.73-1-20
161.15-1-21
161.18-1-21
161.57-1-21
161.73-1-21
161.15-1-22
161.18-1-22
161.57-1-22
161.73-1-22
161.15-1-23
161.18-1-23
161.57-1-23
161.73-1-23
161.15-1-24
161.18-1-24
161.57-1-24
161.73-1-24
161.15-1-25
161.18-1-25
161.57-1-25
161.73-1-25
161.15-1-26
161.18-1-26
161.57-1-26
161.73-1-26
161.15-1-27
161.18-1-27
161.57-1-27
161.73-1-27
161.15-1-28
161.18-1-28
161.57-1-28
161.73-1-28

161.18-1-29
161.57-1-29
161.73-1-29
161.15-1-30
161.18-1-30
161.57-1-30
161.73-1-30
161.15-1-31
161.18-1-31
161.57-1-31
161.73-1-31
161.15-1-32
161.18-1-32
161.57-1-32
161.73-1-32
161.15-1-33
161.18-1-33
161.57-1-33
161.73-1-33
161.15-1-34
161.57-1-34
161.73-1-34
161.15-1-35
161.57-1-35
161.73-1-35
161.15-1-36
161.57-1-36
161.73-1-36
161.15-1-37
161.19-1-37
161.57-1-37
161.73-1-37
161.15-1-38
161.19-1-38
161.57-1-38
161.73-1-38
161.15-1-39
161.19-1-39
161.57-1-39
161.73-1-39
161.15-1-40
161.19-1-40
161.57-1-40
161.15-1-41
161.19-1-41
161.57-1-41
161.15-1-42
161.19-1-42
161.57-1-42
161.15-1-43
161.19-1-43
161.57-1-43
161.15-1-44
161.19-1-44
161.57-1-44
161.15-1-45
161.19-1-45
161.57-1-45
161.15-1-46

161.57-1-46
161.19-1-47
161.57-1-47
161.19-1-48
161.57-1-48
161.19-1-49
161.57-1-49
161.19-1-50
161.57-1-50
161.19-1-51
161.57-1-51
161.19-1-52
161.57-1-52
161.19-1-53
161.57-1-53
161.19-1-54
161.19-1-55
161.19-1-56
161.19-1-57
161.19-1-58
161.14-3-4
161.14-3-6
161.14-3-7
161.14-3-8
161.14-3-9
161.14-3-10
161.14-3-12
161.14-3-13
161.14-3-14
161.14-3-15
161.14-3-16
161.14-3-17
161.14-3-18
161.14-3-19
161.14-3-20
161.14-3-21
161.14-3-22
161.14-3-23
161.14-3-24
161.14-3-25
161.14-3-26
161.14-3-27
161.14-3-28
161.14-3-29
161.14-3-30
161.14-3-31
161.14-3-32
161.14-3-33
161.14-3-34
161.14-3-35
161.14-3-36
161.14-3-37
161.14-3-38
161.14-3-39
161.14-3-40
161.14-3-41
161.14-3-42
161.14-3-43
161.14-3-5

Periodic Review Report (PRR) Certification Statements **Box 5**

1. I certify by checking "YES" below that:

RGA 01/30/14

a) the Periodic Review report and all attachments were ~~prepared under the direction of, and~~ reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 932020

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2 and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Branch (print name) at 7601 Old Channel Trail Montague, MI 49437 (print business address).

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner or Remedial Party Rendering Certification

1/30/2014
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I ROBERT G. ADAMS at CRA INFRASTRUCTURE & ENGINEERING 285 DELAWARE AVE, BUFFALO NY 14202
print name — print business address

am certifying as a Qualified Environmental Professional for the REMEDIAL PARTY
(Owner or Remedial Party)

STATE OF NEW YORK ★ ROBERT G. ADAMS ★ 064918 LICENSED PROFESSIONAL ENGINEER

Robert G. Adams — 01/30/14

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date

NY PE #064918.

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;

1. whether all requirements of each plan were met during the reporting period
2. any requirements not met
3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals

1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Appendix B

2013 Semiannual Inspection Forms

Love Canal
Barrier Drain Manhole Inspection

Date 10/09/13

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	N	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	3"	Y	Y	N	
	MH-6B	NW	Y	5"	Y	Y	N	
	MH-6A	NW	Y	2"	Y	Y	N	
	PC-2A	NW	Y	2.6'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	N	1"	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	Y	Y	N	
	MH-8/PC2	SW	Y	3.5'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
.h Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	N	0"	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	2.7'	Y	Y	N	
	MH-11A	NE	Y	1"	Y	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	Y	2"	Y	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	1"	N	Y	N	
	MH-1	SE	Y	2"	Y	Y	N	
	MH-3	SE	Y	3"	Y	Y	N	
	MH-5	SE	Y	2"	Y	Y	N	
	MH-7/PC1	SE	Y	2"	N	Y	N	
	MH-9	SE	Y	3"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
South Frontier	MH-13	SE	Y	1"	N	Y	N	

Trench in good condition, good flow to wet wells in all areas.

Love Canal
Barrier Drain Manhole Inspection

Date 04/08/13

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	N	0	N	Y	N	Completely Dry
	MH-8A	NW	Y	2"	N	Y	N	Good flow
	MH-6C	NW	Y	6"	Y	Y	N	Some build up of water
	MH-6B	NW	Y	10"	Y	Y	N	Build up of water at 90o Turn
	MH-6A	NW	Y	6"	Y	Y	N	Some build up of water
	PC-2A	NW	Y	1.5'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	Good flow
	MH-2A	NW	Y	1"`	N	Y	N	Good flow
	MH-2	SW	N	0"	Y	Y	N	Troth has solids
	MH-4	SW	Y	1"	Y	Y	N	Troth has solids
	MH-6	SW	Y	2"	Y	Y	N	Troth has solids
	MH-8/PC2	SW	Y	2'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	Troth has solids
	MH-12	SW	Y	2"	N	Y	N	Good flow
h Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	N	0"	N	Y	N	Completely Dry
	MH-15A	NE	Y	1"	N	Y	N	Good flow
	MH-13A	NE	Y	1"	Y	Y	N	Good flow some solids
	PC1A	NE	Y	1.7'	Y	Y	N	
	MH-11A	NE	Y	2"	Y	Y	N	Some solids
	MH-9A	NE	Y	2"	N	Y	N	Good flow
	MH-7A	NE	Y	1"	Y	Y	N	Good flow
	MH-5A	NE	Y	1"	Y	Y	N	Some solids
	MH-3A	NE	Y	2"	N	Y	N	Good flow
	MH-1A	NE	Y	1"	N	Y	N	Good flow
	MH-1	SE	Y	2"	Y	Y	N	Some solids
	MH-3	SE	Y	3"	Y	Y	N	Some solids
	MH-5	SE	Y	2"	Y	Y	N	Some solids
	MH-7/PC1	SE	Y	1.8'	N	Y	N	
	MH-9	SE	Y	3"	N	Y	N	Good flow
	MH-11	SE	Y	2"	Y	Y	N	Some solids
South Frontier	MH-13	SE	Y	1"	N	Y	N	

Trench in good condition, good flow to wet wells in all areas.

Appendix C

Niagara Falls Water Board Wastewater Discharge Permit #44

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

PERMIT NO. 44 Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

In accordance with all terms and conditions of the Niagara Falls Water Board Regulations Part 1960 and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To: Glenn Springs Holdings, Inc. -
Love Canal Leachate Treatment Facility

Located at: 805 - 97th Street, Niagara Falls, NY 14304

Classified by SIC No(s): 4952

For the contribution of wastewater, into the Niagara Falls Water Board Publicly-Owned Treatment Works (POTW).

Effective this 8th day of, January 2010
To Expire this 8th day of, January 2015

William Bolents
Director of Administrative Services

Signed this 20TH day of December, 2009

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
#1	97th Street Discharge	97th Street	Carbon Treated Leachate from Love Canal Leachate Treatment Facility and the 102nd Street landfill

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:	ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
A. Discharges to the Niagara Falls Water Board (NFWB) Sewer		
1. Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
2. Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	None	Submitted 12/16/09
3. Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	N/A	
4. Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	None	Previously Established
B. Wastewater Discharge Management Practices		
1. Identification of a responsible person(s) (day to day and in emergencies).	None	**Performed by** NFWB

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods consistent with 40 CFR 136 and quality control provisions as required by the Niagara Falls Water Board Laboratory Technical Director. The permittee will report the results as directed in Section G of this permit. Results should be reported using the Method Detection Limit (MDL). Reporting results less than MDL will be indicated in the report by a less than sign (<) followed by the numeric MDL concentration reported by the laboratory. In these cases the pollutant load will be calculated and reported as zero (0). The MDL will be defined as the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. The value is determined in reagent water. The precision at this level is +/- 100%.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said Regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said Regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought.

6. The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be the extent determined by the Director.

   In addition, any person who knowingly makes any false statements, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations, or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board - Wastewater Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedence.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus un-refrigerated an additional 48 hours (total 72 hours).

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all “SIU's will keep on file for a minimum of three years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities.”

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), City of Niagara Falls Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board – Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure that are <u>not</u> specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants <u>not</u> identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.

    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

   a) Flow quantities will be derived from the Wastewater Treatment Facility flow meter.

   b) Charges for TSS, SOC and Substances of Concern shall be developed based on Quarterly Self Monitoring data.

2. Love Canal Leachate Treatment Facility (LCLTF)

   The Niagara Falls Water Board agrees to accept wastewater processed from the Glenn Springs Holdings (GSH) LCLTF. These waters in addition to Love Canal wastewater shall include wastewater from the 102nd Street remedial site. This approval is subject to the following conditions:

   a) The LCLTF shall be properly operated and maintained at all times.

   b) To ensure proper operation GSH shall ensure sufficient feed, inter-stage (breakthrough), and effluent analysis to ensure timely carbon changes. Treatment levels of 10 ug/ℓ shall be achieved and verified with quarterly composite sample analysis for the following compounds: trichloroethylene, tetrachloroethylene, monochlorotoluene, monochlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, hexachlorocyclohexanes and hexachlorobenzene.

E. Specific Wastewater Discharge Permit Conditions

2. Love Canal Leachate Treatment Facility (LCLTF) Continued

c) The issuance of this approval if based on GSH's previous assertions that there is no reason to anticipate the presence of tetrachlorodibenzo-p-dioxins in the discharge from the treatment facility. The Niagara Falls Water Board hereby reserves the right to collect samples from the treatment facility effluent and analyze such wastewaters for their chemical constituents, including tetrachlorodibenzo-p-dioxins. If such analysis indicates the presence of tetrachlorodibenzo-p-dioxins, this approval may be withdrawn. If at anytime, the Niagara Falls Water Board determines on any basis that the discharge of these wastewater to the POTW is interfering with the operation of that facility, the Niagara Falls Water Board will direct GSH to discontinue the discharge.

d) These pretreated wastewaters shall be discharged to the POTW via Outfall MS # 1.

e) Periodically wet weather flow in the area around LCLTF results in surcharged sewers. The resultant surcharge requires overflow at combined sewer and storm sewer overflow points. Other points in the sewer shed require manual bypass pumping. Consequently, to minimize this overflow, the Niagara Falls Water Board will require the permittee to cease discharge from the LCLTF during these surcharge events.

A notification procedure has been established by the Niagara Falls Water Board to formalize the communication between the Niagara Falls Water Board and the permittee to halt and resume the LCLTF discharge. This procedure by reference is hereby incorporated as a condition of this permit.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
#1 Flow	0.3	0.3	MGD	Continuous	4
#1 Total Suspended Suspended	25	50	lbs/d	1/Qtr.	1
#1 Soluble Organic Carbon	50	75	lbs/d	1/Qtr.	1
#1 Volatile - Priority Pollutants (See Attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Acid Extractable - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Base/Neutral - Priority Pollutants (See attached list Section G)	MONITOR	ONLY	lbs/d	1/Qtr.	1
# 1 Pesticides - Hexachlorocyclohexanes	MONITOR	ONLY	lbs/d	1/Qtr.	1
#1 Total Phenols	MONITOR	ONLY	lbs/d	1/Qtr.	1

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30. Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
#1	Flow	Quarterly
#1	Total Suspended Solids	Quarterly
#1	Volatile - Priority Pollutants	Quarterly
#1	Acid Extractables - Priority Pollutants	Quarterly
#1	Base/Neutral - Priority Pollutants	Quarterly
#1	Total Phenols	Quarterly

Discharge Monitoring Compounds

Volatile	Base/Neutrals Extractables
Benzene	Dimethyl Phthalate
Carbon Tetrachloride	Butyl Benz Phthalate
Chlorodibromethane	Di-N-Butyl Phthalate
Monochlorobenzene	Di-N-Octyl Phthalate
Dichlorobromethane	Diethyl Phthalate
Chloroform	Nitrosodiphenylamine
Dichloroethylenes	Dichlorobenzenes
Bromoform	Dichlorotoluene
Dichloropropylenes	Acenaphthlene
Ethylbenzene	Fluoranthene
Tetrachloroethanes	Chrysene
Tetrachloroethylene	Napthalene
Toluene	Benzo (a) Anthracene
Trichloroethanes	Pyrene
Trichloroethylene	Trichlorobenzene
Methylene Chloride	Trichlorotoluene
Vinyl Chloride	Hexachlorobutadiene
Monochlorotoluenes	Tetrachlorobenzene
Monochlorobenzotrifluoride	Hexachlorocyclopentadiene
	Hexachlorobenzene
	Dichlorobenzotrifluoride

Discharge Monitoring Compounds

Acids	Pesticides
Monochlorophenol	Alpha, beta, delta, gama – hexachlorocyclohexane
Dichlorophenol	
Monochlorocresol	
Trichlorophenol	
Pentachlorophenol	

Conventionals	
Total Phenols	
Total Suspended Solids	
Soluble Organic Carbon	

H. Comments/Revisions

I:\ADMIN\WINWORD\ZAEPFEL\SIU\PERMITS\LOVCAN44

Appendix D

Love Canal Annual Groundwater Sampling Schedule

CONESTOGA-ROVERS
& ASSOCIATES

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

MEMORANDUM

TO:	Clint Babcock, Ralph Schupp	REF. NO.:	009954
FROM:	Jane Pietraszek-Polovich/adh/8 JPP	DATE:	August 5, 2010
C.C.:	Darrell Crockett, Dennis Hoyt, John Pentilchuk, Dave Tyran, Filing		
RE:	**Love Canal Annual Groundwater Sampling Schedule**		

At the request of Glenn Springs Holdings, Inc. (GSH), Conestoga-Rovers & Associates (CRA) has prepared the following memo to document the Annual Groundwater Sampling schedule for the Love Canal Facility in Niagara Falls, New York (Site).

Correspondence from Mr. Brian Sadowski of the New York State Department of Environmental Conservation (NYSDEC) sent to CRA and GSH on March 25, 2009 (email attached) states that it is no longer necessary for the NYSDEC to specifically list the wells to be sampled each year at the Site, since the annual and alternating (Group I and Group II) wells have remained the same throughout the years. From 1994 through 2008, the NYSDEC provided GSH with a list of wells to be sampled each year. The March 25, 2009 email from Mr. Sadowski stated that the NYSDEC will no longer provide such a list. Therefore, Mr. Sadowski suggested that the wells sampled during the 2007 annual groundwater monitoring event be used for the 2009 annual groundwater monitoring event, to remain consistent with the Long-Term Monitoring Program. The 2007 (and therefore 2009) monitoring wells represent the Group I wells (Table 1). The 2008 (and therefore 2010) monitoring wells represent the Group II wells. In addition, there are select overburden and bedrock wells that are to be sampled annually (Table 1).

Mr. Sadowski went on to further state that GSH must "ensure that the monitoring network and well selection provide adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation, and that the NYSDEC feels that the selection of the 2007 wells will meet those objectives." Mr. Sadowski indicated that GSH can enhance upon the objective by choosing other wells if they wish. Once the well selection is made for the annual event, GSH is to provide the NYSDEC with the monitoring well numbers. Any changes in the well selection must be accompanied with reasons for the addition/deletion. Based on a review of the data for the wells suggested by NYSDEC, GSH agreed to sample the wells in Table 1 for future sampling events. This was communicated to the NYSDEC through a phone call to Mr. Sadowski on June 7, 2010, and documented in the attached email dated June 8, 2010. The NYSDEC is to be notified when the annual monitoring will take place for oversight purposes and to split samples if desired. A 2-week notice of the annual groundwater monitoring event is preferred by the NYSDEC.

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN

TABLE 1

SAMPLE SCHEDULE
LOVE CANAL FACILITY
LONG-TERM MONITORING PROGRAM
NIAGARA FALLS, NEW YORK

Annual Wells	*Biannual Wells*	
Bedrock Wells	*Overburden Wells Group I (2009)*	*Overburden Wells Group II (2010)*
3257	3151	7115
5221	7120	7125
6209	7155	8115
7205	7161	8125
8210	8110	9105
9205	8120	9113
9210	8130	9118
10205	8140	10178A
10210A	9110	
10210B	9115	
10210C	9120	
10215	9125	
10225A	9130	
10225B	9140	
10225C	10105	
10270	10147	
10272	10174A	
10278		
Overburden Wells		
7130		
7132		
8106		
10135		

From: Crockett, Darrell
Sent: Wednesday, March 25, 2009 12:06 PM
To: Pentilchuk, John
Subject: 9954 FW: Love Canal Annual 2009 Sampling
John,

Please let me know how you'd like for me to proceed. I have the 2007 sampling event data.

Thanks
Darrell

From: Brian Sadowski [mailto:bpsadows@gw.dec.state.ny.us]
Sent: Wed 3/25/2009 11:56 AM
To: Crockett, Darrell
Cc: Hoyt, Dennis; Clint_Babcock ext
Subject: Re: Love Canal Annual 2009 Sampling

Darrell,

Your contact and this response will be considered as our pre-sampling conference as stated on p.6. in Section 2.0 Monitoring Requirements of the February 19, 2001 Sampling Manual. Over the last fourteen years the Department has specifically listed the wells to sample and believe that is no longer necessary as the annual and alternating wells have stayed the same. GSHI and/or MSRM has clearly demonstrated their ability to operate , maintain and monitor the site. With the addition of CRA; there is an added layer of technological security and professional environmental judgement. With that said, the Department will not provide a specific list of wells to monitor. However, the suggested wells are the wells that were sampled in 2007 to remain consistent with the LTM program schedule listed on Table 2.2 of the Sampling Manual. The monitoring schedule is flexible. OXY and CRA is to ensure that the monitoring network and well selection provides adequate overburden and bedrock coverage that returns the data necessary for the evaluation of the remediation. The Department feels that the selection of the 2007 wells will meet those objectives. OXY and CRA can enhance upon the objectives by choosing other wells if they wish. When a decision is made by CRA on the well selection, please provide the Department with the well numbers. A simple return "as same as 2007 or 2007 with the addition, deletion or substitution of well #" will suffice. If changes are made, please provide reasoning. Finally, the Department will not be splitting this year. But, will need to be given notice when monitoring will take place for oversight purposes. Thank you.

>>> "Crockett, Darrell" <dcrockett@craworld.com> 3/18/2009 8:05 AM >>>
Hello Brian,

At your convenience would you please provide me with a 2009 Annual sampling well list including the split samples.

Thank You
Darrell Crockett
716/998-5804

From: Polovich, Jane
Sent: Tuesday, June 08, 2010 9:49 AM
To: Filing
Subject: 9954: Love Canal Annual Sampling - Conversation with Brian Sadowski NYSDEC

I spoke with Brian Sadowski on Monday June 7, 2010 to confirm the annual groundwater sampling locations at Love Canal. As per Brians email of March 25 2009 to Darrell Crockett, the 2007 wells selected by the DEC were to be the ones sampled in 2009 (these represent the Group I wells). I confirmed with Mr. Sadowski that the 2008 wells selected by the DEC would be teh wells sampled in 2010 (representing the Group II wells). These Group I and Group II wells will from this point forward be the wells sampled for the alternating annual groundwater sampling events at Love Canal. Mr Sadowski went further to say that GSH may add or delete wells from the sampling but must provide a reason to the DEC prior to sampling for the additions / deletions. CRA documented this change in the sampling program in a internal memo.

Jane Polovich
Conestoga-Rovers & Associates (CRA)
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Phone: 716.297.6150
Fax: 716.297.2265
Email: jpolovich@CRAworld.com
www.CRAworld.com
Think before you print
Perform every task the safe way, the right way, every time!

Appendix E

Laboratory Raw Data Package – June 2013

ANALYTICAL REPORT

Job Number: 180-22030-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
David A Dunlap
Laboratory Technical Director
6/28/2013 6:07 PM

Designee for
Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
06/28/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 6

Sample Summary 22

Executive Summary 23

Method Summary 24

Method / Analyst Summary 25

Sample Datasheets 26

Surrogate Summary 68

QC Data Summary 72

Data Qualifiers 86

QC Association Summary 87

Lab Chronicle 89

Reagent Traceability 92

COAs 121

Certification Summary 122

Organic Sample Data 123

GC/MS VOA 123

Method 8260B 123

Method 8260B QC Summary 124

Method 8260B Sample Data 132

Standards Data 182

Method 8260B ICAL Data 182

Method 8260B CCAL Data 292

Raw QC Data 305

Table of Contents

Method 8260B Tune Data 305

Method 8260B Blank Data 321

Method 8260B LCS/LCSD Data 329

Method 8260B Run Logs 335

GC/MS Semi VOA 339

Method 8270C 339

Method 8270C QC Summary 340

Method 8270C Sample Data 353

Standards Data 415

Method 8270C ICAL Data 415

Method 8270C CCAL Data 497

Raw QC Data 518

Method 8270C Tune Data 518

Method 8270C Blank Data 542

Method 8270C LCS/LCSD Data 551

Method 8270C Run Logs 572

Method 8270C Prep Data 575

GC Semi VOA 577

Method 8081A 577

Method 8081A QC Summary 578

Method 8081A Sample Data 588

Standards Data 628

Method 8081A ICAL Data 628

Method 8081A PEM Data 673

Method 8081A CCAL Data 679

Raw QC Data 703

Table of Contents

Method 8081A Blank Data 703

Method 8081A LCS/LCSD Data 711

Method 8081A Run Logs 727

Method 8081A Prep Data 731

Method 8082 733

Method 8082 QC Summary 734

Method 8082 Sample Data 741

Standards Data 761

Method 8082 ICAL Data 761

Method 8082 CCAL Data 829

Raw QC Data 844

Method 8082 Blank Data 844

Method 8082 LCS/LCSD Data 848

Method 8082 Run Logs 856

Method 8082 Prep Data 859

Shipping and Receiving Documents 861

Client Chain of Custody 862

Sample Receipt Checklist 864

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22030-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 06/11/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5º C and 3.8º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
The LCS for batch 180-75178 recovered slightly below the control limits for carbon disulfide.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No difficulties were encountered during the volatiles analyses.

PESTICIDES
No difficulties were encountered during the PCBs analyses.

PCBS
No difficulties were encountered during the PCBs analyses.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22030-1	TB-9954-061013	Water	06/10/2013 0000	06/11/2013 0845
180-22030-2	WG-9954-061013-SG-001	Water	06/10/2013 1220	06/11/2013 0845
180-22030-3	WG-9954-061013-SG-002	Water	06/10/2013 1320	06/11/2013 0845
180-22030-4	WG-9954-061013-SG-003	Water	06/10/2013 1405	06/11/2013 0845
180-22030-5	WG-9954-061013-SG-004	Water	06/10/2013 1500	06/11/2013 0845
180-22030-6	WG-9954-061013-SG-005	Water	06/10/2013 1615	06/11/2013 0845

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22030-1	**TB-9954-061013**					
Methylene Chloride		1.1	J	5.0	ug/L	8260B
180-22030-2	**WG-9954-061013-SG-001**					
Methylene Chloride		1.2	J	5.0	ug/L	8260B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Method	Analyst	Analyst ID
SW846 8260B	Journet, Patrick	PJJ
SW846 8270C	Piccolino, Vincent	VVP
SW846 8081A	Waclaski, Linx	LKW
SW846 8082	Gupta, Ashok	AG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **TB-9954-061013**

Lab Sample ID: 180-22030-1 Date Sampled: 06/10/2013 0000
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061809.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1355			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1355				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	1.1	J	1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	85		75 - 120
Dibromofluoromethane (Surr)	87		80 - 120
1,2-Dichloroethane-d4 (Surr)	87		62 - 123
Toluene-d8 (Surr)	108		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **TB-9954-061013**

Lab Sample ID: 180-22030-1 Date Sampled: 06/10/2013 0000
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061809.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1355			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1355				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061820.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1904			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1904				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	1.2	J	1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	95		80 - 120
1,2-Dichloroethane-d4 (Surr)	92		62 - 123
Toluene-d8 (Surr)	114		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061820.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1904			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1904				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1655			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1655				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		62 - 123
Toluene-d8 (Surr)	109		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1655			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1655				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061817.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1747			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1747				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	108		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061817.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1747			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1747				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061818.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1812			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	108		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061818.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1812			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1812				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061819.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1838			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1838				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND	*	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	113		80 - 120
1,2-Dichloroethane-d4 (Surr)	110		62 - 123
Toluene-d8 (Surr)	113		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75178	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4061819.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2013 1838			Final Weight/Volume:	5 mL
Prep Date:	06/18/2013 1838				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75097	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0617N25.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 0029			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75097	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0617N25.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 0029			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	58		35 - 108
2-Fluorophenol	58		26 - 100
Nitrobenzene-d5	64		37 - 104
Phenol-d5	61		30 - 102
Terphenyl-d14	66		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75097	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0617N25.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 0029			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.84	0.42	T J N
	Unknown	19.67	4.8	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618006.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/18/2013 1656			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618006.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/18/2013 1656			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	56		26 - 100
Nitrobenzene-d5	70		37 - 104
Phenol-d5	58		30 - 102
Terphenyl-d14	72		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618006.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/18/2013 1656			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.84	36	T J N
	Unknown	11.57	3.9	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1723			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1723			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	68		37 - 104
Phenol-d5	63		30 - 102
Terphenyl-d14	72		25 - 130
2,4,6-Tribromophenol	67		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1723			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown Straight Chained Alkane	16.33	7.1	T J
	Unknown Straight Chained Alkane	17.04	7.2	T J
	Unknown	17.07	5.6	T J
	Unknown Straight Chained Alkane	17.77	16	T J
	Unknown Straight Chained Alkane	18.50	5.6	T J
	Unknown Straight Chained Alkane	18.51	12	T J
	Unknown Straight Chained Alkane	19.29	16	T J
	Unknown Straight Chained Alkane	20.15	5.6	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1751			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1751			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	64		26 - 100
Nitrobenzene-d5	73		37 - 104
Phenol-d5	65		30 - 102
Terphenyl-d14	68		25 - 130
2,4,6-Tribromophenol	66		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1751			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.83	19	T J N
	Unknown	12.59	17	T J
	Unknown	16.88	52	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618009.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1818			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618009.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1818			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	58		26 - 100
Nitrobenzene-d5	70		37 - 104
Phenol-d5	63		30 - 102
Terphenyl-d14	67		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75211	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74809	Lab File ID:	V0618009.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/18/2013 1818			Final Weight/Volume:	10.0 mL
Prep Date:	06/14/2013 0844			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.85	70	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1641			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1641			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1657			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	95		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1657			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1712			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1712			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1728			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1728			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1744			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	80		45 - 130
Tetrachloro-m-xylene	97		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-74913	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/14/2013 1744			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-001**

Lab Sample ID: 180-22030-2 Date Sampled: 06/10/2013 1220
Client Matrix: Water Date Received: 06/11/2013 0845

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75496	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/13/2013 1812			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	102		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-002**

Lab Sample ID: 180-22030-3 Date Sampled: 06/10/2013 1320
Client Matrix: Water Date Received: 06/11/2013 0845

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75496	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/13/2013 1836			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		35 - 140
Tetrachloro-m-xylene	105		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-003**

Lab Sample ID: 180-22030-4 Date Sampled: 06/10/2013 1405
Client Matrix: Water Date Received: 06/11/2013 0845

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75496	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/13/2013 1900			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		35 - 140
Tetrachloro-m-xylene	101		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-004**

Lab Sample ID: 180-22030-5 Date Sampled: 06/10/2013 1500
Client Matrix: Water Date Received: 06/11/2013 0845

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75496	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/13/2013 1924			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	102		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22030-1

Client Sample ID: **WG-9954-061013-SG-005**

Lab Sample ID: 180-22030-6 Date Sampled: 06/10/2013 1615
Client Matrix: Water Date Received: 06/11/2013 0845

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75496	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74444	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/13/2013 1949			Injection Volume:	1 uL
Prep Date:	06/11/2013 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	101		35 - 140

3.5, 3.8 #2

180-22030 Chain of Custody

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-01-1
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
TB-9954-061013	WG Q	06/10/2013	00:00	0	0	3	
WG-9954-061013-SG-001	WG	06/10/2013	12:20	2	2	3	
WG-9954-061013-SG-002	WG	06/10/2013	13:20	2	2	3	
WG-9954-061013-SG-003	WG	06/10/2013	14:05	2	2	3	
WG-9954-061013-SG-004	WG	06/10/2013	15:00	2	2	3	
WG-9954-061013-SG-005	WG	06/10/2013	16:15	2	2	3	
Total Bottles				10	10	18	Grand Total:38

Sample Condition

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

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/10/13	1700	[illegible]	6-11-13	945
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-22070-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
David A Dunlap
Laboratory Technical Director
6/28/2013 6:30 PM

Designee for
Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
06/28/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 6

Sample Summary 26

Executive Summary 27

Method Summary 28

Method / Analyst Summary 29

Sample Datasheets 30

Surrogate Summary 72

QC Data Summary 76

Data Qualifiers 92

QC Association Summary 93

Lab Chronicle 95

Reagent Traceability 98

COAs 130

Certification Summary 133

Organic Sample Data 134

GC/MS VOA 134

Method 8260B 134

Method 8260B QC Summary 135

Method 8260B Sample Data 149

Standards Data 199

Method 8260B ICAL Data 199

Method 8260B CCAL Data 459

Raw QC Data 483

Table of Contents

Method 8260B Tune Data 483

Method 8260B Blank Data 511

Method 8260B LCS/LCSD Data 527

Method 8260B Run Logs 539

GC/MS Semi VOA 546

Method 8270C 546

Method 8270C QC Summary 547

Method 8270C Sample Data 557

Standards Data 616

Method 8270C ICAL Data 616

Method 8270C CCAL Data 688

Raw QC Data 696

Method 8270C Tune Data 696

Method 8270C Blank Data 712

Method 8270C LCS/LCSD Data 721

Method 8270C Run Logs 737

Method 8270C Prep Data 739

GC Semi VOA 741

Method 8081A 741

Method 8081A QC Summary 742

Method 8081A Sample Data 752

Standards Data 792

Method 8081A ICAL Data 792

Method 8081A PEM Data 836

Method 8081A CCAL Data 848

Raw QC Data 864

Table of Contents

Method 8081A Blank Data 864

Method 8081A LCS/LCSD Data 872

Method 8081A Run Logs 888

Method 8081A Prep Data 892

Method 8082 894

Method 8082 QC Summary 895

Method 8082 Sample Data 902

Standards Data 922

Method 8082 ICAL Data 922

Method 8082 CCAL Data 985

Raw QC Data 993

Method 8082 Blank Data 993

Method 8082 LCS/LCSD Data 997

Method 8082 Run Logs 1005

Method 8082 Prep Data 1008

Shipping and Receiving Documents 1010

Client Chain of Custody 1011

Sample Receipt Checklist 1013

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22070-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 06/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9º C and 4.2º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
The LCS for batch 180-75283 recovered above the control limits for 2-hexanone and 4-methyl-2-pentanone. As the recoveries were high and these compounds were not detected in the samples, the results were reported.

The LCS for batch 180-75371 recovered above the control limits for 2-hexanone. As the recovery was high and this compound was not detected in the samples, the results were reported.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No difficulties were encountered during the volatiles analyses.

PESTICIDES
No difficulties were encountered during the PCBs analyses.

PCBS
The ending continuing calibration verification (CCV) %D for batch 75503 was above the 15% criteria for arcolors 1016 and 1260 (15.6% and 19.0%, respectively). As the calibration verification was baised high and no aroclors were detected in the samples, the results were reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22070-1	WG-9954-061113-SG-006	Water	06/11/2013 1100	06/12/2013 0900
180-22070-2	WG-9954-061113-SG-009	Water	06/11/2013 1530	06/12/2013 0900
180-22070-3	WG-9954-061113-SG-010	Water	06/11/2013 1610	06/12/2013 0900
180-22070-4	WG-9954-061113-SG-008	Water	06/11/2013 1430	06/12/2013 0900
180-22070-5	TB-9954-061113	Water	06/11/2013 0000	06/12/2013 0900
180-22070-6	WG-9954-061113-SG-007	Water	06/11/2013 1100	06/12/2013 0900

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22070-3	**WG-9954-061113-SG-010**					
Benzo[a]anthracene		1.0	J	1.9	ug/L	8270C
Benzo[a]pyrene		0.64	J	1.9	ug/L	8270C
Benzo[b]fluoranthene		1.0	J	1.9	ug/L	8270C
Benzo[g,h,i]perylene		1.2	J	1.9	ug/L	8270C
Benzo[k]fluoranthene		1.4	J	1.9	ug/L	8270C
Chrysene		1.7	J	1.9	ug/L	8270C
Dibenz(a,h)anthracene		1.3	J	1.9	ug/L	8270C
Indeno[1,2,3-cd]pyrene		1.0	J	1.9	ug/L	8270C

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Method	Analyst	Analyst ID
SW846 8260B	Journet, Patrick	PJJ
SW846 8270C	Piccolino, Vincent	VVP
SW846 8081A	Oravec, John	JMO
SW846 8082	Gupta, Ashok	AG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1544			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1544				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	78		75 - 120
Dibromofluoromethane (Surr)	89		80 - 120
1,2-Dichloroethane-d4 (Surr)	89		62 - 123
Toluene-d8 (Surr)	91		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1544			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1544				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1610			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1610				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	75		75 - 120
Dibromofluoromethane (Surr)	84		80 - 120
1,2-Dichloroethane-d4 (Surr)	86		62 - 123
Toluene-d8 (Surr)	81		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1610			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1610				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062026.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 2030			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 2030				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	108		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		62 - 123
Toluene-d8 (Surr)	103		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062026.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 2030			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 2030				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1702			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1702				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	76		75 - 120
Dibromofluoromethane (Surr)	90		80 - 120
1,2-Dichloroethane-d4 (Surr)	88		62 - 123
Toluene-d8 (Surr)	84		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1702			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1702				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **TB-9954-061113**

Lab Sample ID: 180-22070-5 Date Sampled: 06/11/2013 0000
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75283	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7061910.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/19/2013 1214			Final Weight/Volume:	5 mL
Prep Date:	06/19/2013 1214				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	116		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	87		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **TB-9954-061113**

Lab Sample ID: 180-22070-5 Date Sampled: 06/11/2013 0000
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75283	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7061910.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/19/2013 1214			Final Weight/Volume:	5 mL
Prep Date:	06/19/2013 1214				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1728			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1728				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		62 - 123
Toluene-d8 (Surr)	102		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1728			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1728				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615008.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1615			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615008.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1615			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	62		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	67		30 - 102
Terphenyl-d14	71		25 - 130
2,4,6-Tribromophenol	66		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615008.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1615			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.95	66	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1642			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1642			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	66		35 - 108
2-Fluorophenol	65		26 - 100
Nitrobenzene-d5	73		37 - 104
Phenol-d5	71		30 - 102
Terphenyl-d14	85		25 - 130
2,4,6-Tribromophenol	75		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/15/2013 1642			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.97	130	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1710			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	1.0	J	0.14	1.9
Benzo[a]pyrene	0.64	J	0.13	1.9
Benzo[b]fluoranthene	1.0	J	0.15	1.9
Benzo[g,h,i]perylene	1.2	J	0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	1.4	J	0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	1.7	J	0.13	1.9
Dibenz(a,h)anthracene	1.3	J	0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	1.0	J	0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1710			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	61		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	63		30 - 102
Terphenyl-d14	80		25 - 130
2,4,6-Tribromophenol	68		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1710			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.95	40	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1737			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1737			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	65		35 - 108
2-Fluorophenol	61		26 - 100
Nitrobenzene-d5	71		37 - 104
Phenol-d5	68		30 - 102
Terphenyl-d14	81		25 - 130
2,4,6-Tribromophenol	73		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1737			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.98	130	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1804			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1804			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	62		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	67		30 - 102
Terphenyl-d14	72		25 - 130
2,4,6-Tribromophenol	69		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-74975	Instrument ID:	733
Prep Method:	3520C	Prep Batch:	180-74653	Lab File ID:	N0615012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/15/2013 1804			Final Weight/Volume:	10.0 mL
Prep Date:	06/13/2013 0739			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.97	150	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2208			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	94		45 - 130
Tetrachloro-m-xylene	96		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2208			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	94		45 - 130
Tetrachloro-m-xylene	94		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2223			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	92		45 - 130
Tetrachloro-m-xylene	93		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2223			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	90		45 - 130
Tetrachloro-m-xylene	93		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2239			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	93		45 - 130
Tetrachloro-m-xylene	96		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2239			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	92		45 - 130
Tetrachloro-m-xylene	94		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2254			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	90		45 - 130
Tetrachloro-m-xylene	91		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2254			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		45 - 130
Tetrachloro-m-xylene	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2310			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.033	0.049
alpha-BHC	ND		0.026	0.049
alpha-Chlordane	ND		0.039	0.049
beta-BHC	ND		0.039	0.049
4,4'-DDD	ND		0.026	0.049
4,4'-DDE	ND		0.031	0.049
4,4'-DDT	ND		0.029	0.049
delta-BHC	ND		0.017	0.049
Dieldrin	ND		0.032	0.049
Endosulfan I	ND		0.037	0.049
Endosulfan II	ND		0.038	0.049
Endosulfan sulfate	ND		0.022	0.049
Endrin	ND		0.038	0.049
Endrin ketone	ND		0.036	0.049
gamma-BHC (Lindane)	ND		0.031	0.049
gamma-Chlordane	ND		0.038	0.049
Heptachlor	ND		0.039	0.049
Heptachlor epoxide	ND		0.038	0.049
Methoxychlor	ND		0.036	0.098
Toxaphene	ND		0.73	3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		45 - 130
Tetrachloro-m-xylene	102		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75316	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/19/2013 2310			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	91		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-006**

Lab Sample ID: 180-22070-1 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1612			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	101		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-009**

Lab Sample ID: 180-22070-2 Date Sampled: 06/11/2013 1530
Client Matrix: Water Date Received: 06/12/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1636			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	101		35 - 140
Tetrachloro-m-xylene	96		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-010**

Lab Sample ID: 180-22070-3 Date Sampled: 06/11/2013 1610
Client Matrix: Water Date Received: 06/12/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1701			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	101		35 - 140
Tetrachloro-m-xylene	96		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-008**

Lab Sample ID: 180-22070-4 Date Sampled: 06/11/2013 1430
Client Matrix: Water Date Received: 06/12/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1726			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	100		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22070-1

Client Sample ID: **WG-9954-061113-SG-007**

Lab Sample ID: 180-22070-6 Date Sampled: 06/11/2013 1100
Client Matrix: Water Date Received: 06/12/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74752	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1750			Injection Volume:	1 uL
Prep Date:	06/13/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.099	0.39
Aroclor 1221	ND		0.098	0.39
Aroclor 1232	ND		0.11	0.39
Aroclor 1242	ND		0.073	0.39
Aroclor 1248	ND		0.089	0.39
Aroclor 1254	ND		0.090	0.39
Aroclor 1260	ND		0.053	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	102		35 - 140
Tetrachloro-m-xylene	91		35 - 140

4.2, 3.9 #2

180-22070 Chain of Custody

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information

Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Information

Laboratory: TEST AMERICA PITTSBURGH

Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238

Laboratory Contact: JILL COLUSSY

Requested Due Date: TAT: 10

QA/QC Requirements:

Event Information

ID#: LC ANNUAL GW SAMPLING-02-1

SSOW Ref#: 292-402-999-3100

Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061113-SG-006	WG	06/11/2013	11:00	2	2	3	
WG-9954-061113-SG-009	WG	06/11/2013	15:30	2	2	3	
WG-9954-061113-SG-010	WG	06/11/2013	16:10	2	2	3	
WG-9954-061113-SG-008	WG	06/11/2013	14:30	2	2	3	
TB-9954-061113	WG Q	06/11/2013	00:00	-	-	3	
WG-9954-061113-SG-007	WG	06/11/2013	11:00	2	2	3	
Total Bottles				**10**	**10**	**18**	**Grand Total:38**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/11/13	1700	[illegible]	6-12-13	8:00
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-22136-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
David A Dunlap
Laboratory Technical Director
6/28/2013 7:06 PM

Designee for
Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
06/28/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 6

Sample Summary 29

Executive Summary 30

Method Summary 31

Method / Analyst Summary 32

Sample Datasheets 33

Surrogate Summary 59

QC Data Summary 63

Data Qualifiers 88

QC Association Summary 89

Lab Chronicle 91

Reagent Traceability 94

COAs 128

Certification Summary 178

Organic Sample Data 179

GC/MS VOA 179

Method 8260B 179

Method 8260B QC Summary 180

Method 8260B Sample Data 198

Standards Data 230

Method 8260B ICAL Data 230

Method 8260B CCAL Data 490

Raw QC Data 514

Table of Contents

Method 8260B Tune Data 514

Method 8260B Blank Data 542

Method 8260B LCS/LCSD Data 558

Method 8260B MS/MSD Data 570

Method 8260B Run Logs 595

GC/MS Semi VOA 602

Method 8270C 602

Method 8270C QC Summary 603

Method 8270C Sample Data 618

Standards Data 654

Method 8270C ICAL Data 654

Method 8270C CCAL Data 736

Raw QC Data 753

Method 8270C Tune Data 753

Method 8270C Blank Data 777

Method 8270C LCS/LCSD Data 786

Method 8270C MS/MSD Data 796

Method 8270C Run Logs 821

Method 8270C Prep Data 824

GC Semi VOA 826

Method 8081A 826

Method 8081A QC Summary 827

Method 8081A Sample Data 842

Standards Data 870

Method 8081A ICAL Data 870

Method 8081A PEM Data 914

Table of Contents

Method 8081A CCAL Data 920

Raw QC Data 944

Method 8081A Blank Data 944

Method 8081A LCS/LCSD Data 952

Method 8081A MS/MSD Data 960

Method 8081A Run Logs 976

Method 8081A Prep Data 983

Method 8082 985

Method 8082 QC Summary 986

Method 8082 Sample Data 995

Standards Data 1007

Method 8082 ICAL Data 1007

Method 8082 CCAL Data 1070

Raw QC Data 1078

Method 8082 Blank Data 1078

Method 8082 LCS/LCSD Data 1082

Method 8082 MS/MSD Data 1086

Method 8082 Run Logs 1094

Method 8082 Prep Data 1097

Shipping and Receiving Documents 1099

Client Chain of Custody 1100

Sample Receipt Checklist 1103

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22136-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.4º C, 3.7º C and 4.3º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

The LCS for batch 180-75283 recovered above the control limits for 2-hexanone and 4-methyl-2-pentanone. As the recoveries were high and these compounds were not detected in the samples, the results were reported.

The LCS for batch 180-75371 recovered above the control limits for 2-hexanone. As the recovery was high and this compound was not detected in the samples, the results were reported.

The matrix spike and/or matrix spike duplicate of sample WG-9954-061213-SG-11 (180-22136-1) recovered above the control limits for dibromochloromethane, 2-hexanone, and 4-methyl-2-pentanone.

The matrix spike and matrix spike duplicate of sample WG-9954-061213-SG-12 (180-22136-2) recovered above the control limits for 2-hexanone.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

No difficulties were encountered during the analyses.

PESTICIDES

No difficulties were encountered during the analyses.

PCBS

The ending continuing calibration verification (CCV) %D for batch 75503 was above the 15% criteria for arcolors 1016 and 1260 (15.6% and 19.0%, respectively). As the calibration verification was biased high and no aroclors were detected in the samples, the results were reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22136-1	WG-9954-061213-SG-011	Water	06/12/2013 1125	06/13/2013 0850
180-22136-1MS	WG-9954-061213-SG-011	Water	06/12/2013 1125	06/13/2013 0850
180-22136-1MSD	WG-9954-061213-SG-011	Water	06/12/2013 1125	06/13/2013 0850
180-22136-2	WG-9954-061213-SG-012	Water	06/12/2013 1310	06/13/2013 0850
180-22136-3	WG-9954-061213-SG-013	Water	06/12/2013 1405	06/13/2013 0850
180-22136-4	TB-9954-061213	Water	06/12/2013 0000	06/13/2013 0850

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22136-2	**WG-9954-061213-SG-012**					
Diethyl phthalate		1.6	J	9.6	ug/L	8270C
alpha-BHC		0.083		0.047	ug/L	8081A
delta-BHC		0.051		0.047	ug/L	8081A
gamma-BHC (Lindane)		0.11		0.047	ug/L	8081A
180-22136-3	**WG-9954-061213-SG-013**					
4-Methylphenol		13		9.6	ug/L	8270C
alpha-BHC		0.21		0.049	ug/L	8081A

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Method	Analyst	Analyst ID
SW846 8260B	Journet, Patrick	PJJ
SW846 8270C	Piccolino, Vincent	VVP
SW846 8081A	Oravec, John	JMO
SW846 8082	Gupta, Ashok	AG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75283	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7061909.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/19/2013 1149			Final Weight/Volume:	5 mL
Prep Date:	06/19/2013 1149				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	113		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	83		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75283	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7061909.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/19/2013 1149			Final Weight/Volume:	5 mL
Prep Date:	06/19/2013 1149				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1304			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1304				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	87		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	91		62 - 123
Toluene-d8 (Surr)	104		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1304			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1304				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062008.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1236			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1236				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	94		80 - 120
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	106		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062008.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1236			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1236				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **TB-9954-061213**

Lab Sample ID: 180-22136-4 Date Sampled: 06/12/2013 0000
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062007.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1209			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1209				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	88		75 - 120
Dibromofluoromethane (Surr)	87		80 - 120
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	114		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **TB-9954-061213**

Lab Sample ID: 180-22136-4 Date Sampled: 06/12/2013 0000
Client Matrix: Water Date Received: 06/13/2013 0850

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75371	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062007.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2013 1209			Final Weight/Volume:	5 mL
Prep Date:	06/20/2013 1209				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/21/2013 1648			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/21/2013 1648			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		35 - 108
2-Fluorophenol	70		26 - 100
Nitrobenzene-d5	76		37 - 104
Phenol-d5	70		30 - 102
Terphenyl-d14	64		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/21/2013 1648			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.88	3.4	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1716			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	1.6	J	1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1716			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	66		35 - 108
2-Fluorophenol	68		26 - 100
Nitrobenzene-d5	72		37 - 104
Phenol-d5	68		30 - 102
Terphenyl-d14	56		25 - 130
2,4,6-Tribromophenol	65		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621010.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1716			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.88	4.6	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1745			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1745			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	13		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		35 - 108
2-Fluorophenol	74		26 - 100
Nitrobenzene-d5	79		37 - 104
Phenol-d5	72		30 - 102
Terphenyl-d14	54		25 - 130
2,4,6-Tribromophenol	66		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-74986	Lab File ID:	V0621011.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1745			Final Weight/Volume:	10.0 mL
Prep Date:	06/17/2013 0848			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	4.60	20	T J
	Unknown	4.72	15	T J
	Unknown	5.69	13	T J
	Unknown Organic Acid	7.73	7.2	T J
105-60-2	Caprolactam	7.90	1.3	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1750			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.049
alpha-BHC	ND		0.026	0.049
alpha-Chlordane	ND		0.038	0.049
beta-BHC	ND		0.039	0.049
4,4'-DDD	ND		0.026	0.049
4,4'-DDE	ND		0.031	0.049
4,4'-DDT	ND		0.029	0.049
delta-BHC	ND		0.017	0.049
Dieldrin	ND		0.032	0.049
Endosulfan I	ND		0.036	0.049
Endosulfan II	ND		0.038	0.049
Endosulfan sulfate	ND		0.022	0.049
Endrin	ND		0.037	0.049
Endrin ketone	ND		0.036	0.049
gamma-BHC (Lindane)	ND		0.031	0.049
gamma-Chlordane	ND		0.037	0.049
Heptachlor	ND		0.039	0.049
Heptachlor epoxide	ND		0.038	0.049
Methoxychlor	ND		0.035	0.097
Toxaphene	ND		0.72	3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		45 - 130
Tetrachloro-m-xylene	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1750			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		45 - 130
Tetrachloro-m-xylene	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1837			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.083		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.051		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.11		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1837			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1853			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.049
alpha-BHC	0.21		0.026	0.049
alpha-Chlordane	ND		0.038	0.049
beta-BHC	ND		0.039	0.049
4,4'-DDD	ND		0.026	0.049
4,4'-DDE	ND		0.031	0.049
4,4'-DDT	ND		0.029	0.049
delta-BHC	ND		0.017	0.049
Dieldrin	ND		0.032	0.049
Endosulfan I	ND		0.036	0.049
Endosulfan II	ND		0.038	0.049
Endosulfan sulfate	ND		0.022	0.049
Endrin	ND		0.037	0.049
Endrin ketone	ND		0.036	0.049
gamma-BHC (Lindane)	ND		0.031	0.049
gamma-Chlordane	ND		0.037	0.049
Heptachlor	ND		0.039	0.049
Heptachlor epoxide	ND		0.038	0.049
Methoxychlor	ND		0.035	0.097
Toxaphene	ND		0.72	3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	87		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75475	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/20/2013 1853			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		45 - 130
Tetrachloro-m-xylene	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-011**

Lab Sample ID: 180-22136-1 Date Sampled: 06/12/2013 1125
Client Matrix: Water Date Received: 06/13/2013 0850

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 1928			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.098	0.39
Aroclor 1221	ND		0.097	0.39
Aroclor 1232	ND		0.11	0.39
Aroclor 1242	ND		0.072	0.39
Aroclor 1248	ND		0.088	0.39
Aroclor 1254	ND		0.089	0.39
Aroclor 1260	ND		0.053	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	98		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-012**

Lab Sample ID: 180-22136-2 Date Sampled: 06/12/2013 1310
Client Matrix: Water Date Received: 06/13/2013 0850

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 2042			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	99		35 - 140
Tetrachloro-m-xylene	88		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22136-1

Client Sample ID: **WG-9954-061213-SG-013**

Lab Sample ID: 180-22136-3 Date Sampled: 06/12/2013 1405
Client Matrix: Water Date Received: 06/13/2013 0850

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-75503	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-74876	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2013 2107			Injection Volume:	1 uL
Prep Date:	06/14/2013 1335			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.098	0.39
Aroclor 1221	ND		0.097	0.39
Aroclor 1232	ND		0.11	0.39
Aroclor 1242	ND		0.072	0.39
Aroclor 1248	ND		0.088	0.39
Aroclor 1254	ND		0.089	0.39
Aroclor 1260	ND		0.053	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	101		35 - 140
Tetrachloro-m-xylene	87		35 - 140

3. 7, 3.4.4.3 #2

180-22136 Chain of Custody

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Laboratory Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-03-1
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061213-SG-011	WG	06/12/2013	11:25	10	6	9	MS/MSD
WG-9954-061213-SG-012	WG	06/12/2013	13:10	2	2	3	
WG-9954-061213-SG-013	WG	06/12/2013	14:05	2	2	3	
TB-9954-061213	WG Q	06/12/2013	00:00	-	-	3	
Total Bottles				**14**	**10**	**18**	**Grand Total:42**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Shawn Gardner	6/12/13	1600	[illegible]	6-13-13	850
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-22206-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/8/2013 2:07 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/08/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

- Report Narrative 5
- Manual Integration Summary 6
- Sample Summary 22
- Executive Summary 23
- Method Summary 24
- Method / Analyst Summary 25
- Sample Datasheets 26
- Surrogate Summary 92
- QC Data Summary 96
- Data Qualifiers 110
- QC Association Summary 111
- Lab Chronicle 114
- Reagent Traceability 118
  - COAs 150
- Certification Summary 186

Organic Sample Data 187

- GC/MS VOA 187
  - Method 8260B 187
    - Method 8260B QC Summary 188
    - Method 8260B Sample Data 195
    - Standards Data 266
      - Method 8260B ICAL Data 266
      - Method 8260B CCAL Data 396
    - Raw QC Data 410

Table of Contents

Method 8260B Tune Data 410

Method 8260B Blank Data 422

Method 8260B LCS/LCSD Data 429

Method 8260B Run Logs 440

GC/MS Semi VOA 443

Method 8270C 443

Method 8270C QC Summary 444

Method 8270C Sample Data 457

Standards Data 562

Method 8270C ICAL Data 562

Method 8270C CCAL Data 644

Raw QC Data 661

Method 8270C Tune Data 661

Method 8270C Blank Data 685

Method 8270C LCS/LCSD Data 694

Method 8270C Run Logs 721

Method 8270C Prep Data 724

GC Semi VOA 726

Method 8081A 726

Method 8081A QC Summary 727

Method 8081A Sample Data 740

Standards Data 808

Method 8081A ICAL Data 808

Method 8081A PEM Data 852

Method 8081A CCAL Data 870

Raw QC Data 918

Table of Contents

Method 8081A Blank Data 918

Method 8081A LCS/LCSD Data 926

Method 8081A Run Logs 942

Method 8081A Prep Data 952

Method 8082 954

Method 8082 QC Summary 955

Method 8082 Sample Data 962

Standards Data 994

Method 8082 ICAL Data 994

Method 8082 CCAL Data 1055

Raw QC Data 1067

Method 8082 Blank Data 1067

Method 8082 LCS/LCSD Data 1071

Method 8082 Run Logs 1079

Method 8082 Prep Data 1082

Shipping and Receiving Documents 1084

Client Chain of Custody 1085

Sample Receipt Checklist 1090

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22206-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/14/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5º C, 3.5º C, 3.5º C and 3.5º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
The laboratory control standard for batch 180-75421 recovered outside of the control limits for bromomethane. All control compounds recovered within the control limits. All data was reported.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No difficulties were encountered during the semivolatiles analysis.

PESTICIDES
The closing continuing calibration standards did not meet criteria for several compounds. The samples were analyzed multiple times with the ending continuing calibration standards not meeting criteria confirming matrix interference. Only one set of data is reported.

POLYCHLORINATED BIPHENYLS (PCBS)
The continuing calibration standards were high and outside of the control limits. All samples were non-detect for all PCBs. All data was reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22206-1	WG-9954-061313-SG-018	Water	06/13/2013 1250	06/14/2013 0900
180-22206-2	WG-9954-061313-SG-020	Water	06/13/2013 1340	06/14/2013 0900
180-22206-3	WG-9954-061313-SG-019	Water	06/13/2013 1320	06/14/2013 0900
180-22206-4	WG-9954-061313-SG-014	Water	06/13/2013 0845	06/14/2013 0900
180-22206-5	WG-9954-061313-SG-015	Water	06/13/2013 1005	06/14/2013 0900
180-22206-6	WG-9954-061313-SG-017	Water	06/13/2013 1220	06/14/2013 0900
180-22206-7	WG-9954-061313-SG-021	Water	06/13/2013 1425	06/14/2013 0900
180-22206-8	TB-9954-061313	Water	06/13/2013 0000	06/14/2013 0900
180-22206-9	WG-9954-061313-SG-016	Water	06/13/2013 1005	06/14/2013 0900

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22206-3	**WG-9954-061313-SG-019**					
Diethyl phthalate		1.7	J	9.8	ug/L	8270C
180-22206-4	**WG-9954-061313-SG-014**					
alpha-BHC		0.066		0.048	ug/L	8081A
delta-BHC		0.067	p	0.048	ug/L	8081A
gamma-BHC (Lindane)		0.041	J p	0.048	ug/L	8081A
180-22206-5	**WG-9954-061313-SG-015**					
alpha-BHC		0.073		0.048	ug/L	8081A
delta-BHC		0.026	J	0.048	ug/L	8081A
180-22206-8	**TB-9954-061313**					
Methylene Chloride		1.6	J	5.0	ug/L	8260B
180-22206-9	**WG-9954-061313-SG-016**					
Toluene		1.0	J	5.0	ug/L	8260B
alpha-BHC		0.086		0.047	ug/L	8081A
delta-BHC		0.028	J	0.047	ug/L	8081A

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Method	Analyst	Analyst ID
SW846 8260B	Zukowski, Mike	MAZ
SW846 8270C	Piccolino, Vincent	VVP
SW846 8081A	Oravec, John	JMO
SW846 8082	Gupta, Ashok	AG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062124.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0933			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0933				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	85		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062124.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0933			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0933				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown Alkane	13.25	5.4	T J
	Unknown Alkane	14.50	7.8	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062117.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0632			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0632				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	112		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062117.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0632			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0632				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062118.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0659			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	118		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		62 - 123
Toluene-d8 (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062118.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0659			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0659				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062119.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0724			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0724				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	112		80 - 120
1,2-Dichloroethane-d4 (Surr)	112		62 - 123
Toluene-d8 (Surr)	80		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062119.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0724			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0724				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-18-3	Dimethyl sulfide	3.79	240	T J N
624-89-5	Ethane, (methylthio)-	6.01	28	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062120.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0749			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	84		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062120.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0749			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0749				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062121.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0818			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0818				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062121.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0818			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0818				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062122.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0842			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0842				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	113		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	86		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062122.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0842			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0842				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **TB-9954-061313**

Lab Sample ID: 180-22206-8 Date Sampled: 06/13/2013 0000
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062109.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0300			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0300				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	1.6	J	1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	109		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		62 - 123
Toluene-d8 (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **TB-9954-061313**

Lab Sample ID: 180-22206-8 Date Sampled: 06/13/2013 0000
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062109.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0300			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0300				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062123.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0907			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0907				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	1.0	J	0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		62 - 123
Toluene-d8 (Surr)	88		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062123.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0907			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0907				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1813			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1813			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	64		35 - 108
2-Fluorophenol	64		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	62		30 - 102
Terphenyl-d14	48		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1813			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.89	60	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/20/2013 1205			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/20/2013 1205			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	50		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	50		30 - 102
Terphenyl-d14	27		25 - 130
2,4,6-Tribromophenol	58		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620008.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/20/2013 1205			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	14.59	13	T J
	Unknown	15.48	13	T J
	Unknown	16.38	15	T J
	Unknown	17.76	21	T J
	Unknown	17.84	31	T J
	Unknown	18.39	17	T J
	Unknown	18.42	16	T J
	Unknown	18.47	21	T J
	Unknown	19.26	16	T J
	Unknown	20.12	16	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620009.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/20/2013 1234			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	2.0
Acenaphthylene	ND		0.15	2.0
Anthracene	ND		0.15	2.0
Benzo[a]anthracene	ND		0.14	2.0
Benzo[a]pyrene	ND		0.13	2.0
Benzo[b]fluoranthene	ND		0.15	2.0
Benzo[g,h,i]perylene	ND		0.15	2.0
Benzoic acid	ND		5.5	49
Benzo[k]fluoranthene	ND		0.54	2.0
Benzyl alcohol	ND		2.1	9.8
Bis(2-chloroethoxy)methane	ND		0.57	9.8
Bis(2-chloroethyl)ether	ND		0.25	2.0
Bis(2-ethylhexyl) phthalate	ND		12	20
4-Bromophenyl phenyl ether	ND		0.62	9.8
Butyl benzyl phthalate	ND		1.4	9.8
4-Chloroaniline	ND		0.87	9.8
4-Chloro-3-methylphenol	ND		0.74	9.8
2-Chloronaphthalene	ND		0.15	2.0
2-Chlorophenol	ND		1.6	9.8
4-Chlorophenyl phenyl ether	ND		0.49	9.8
Chrysene	ND		0.14	2.0
Dibenz(a,h)anthracene	ND		0.15	2.0
Dibenzofuran	ND		0.60	9.8
1,2-Dichlorobenzene	ND		0.73	9.8
1,3-Dichlorobenzene	ND		0.73	9.8
1,4-Dichlorobenzene	ND		0.73	9.8
3,3'-Dichlorobenzidine	ND		1.1	9.8
2,4-Dichlorophenol	ND		0.33	2.0
Diethyl phthalate	1.7	J	1.4	9.8
2,4-Dimethylphenol	ND		0.84	9.8
Dimethyl phthalate	ND		0.75	9.8
Di-n-butyl phthalate	ND		1.2	9.8
4,6-Dinitro-2-methylphenol	ND		2.2	49
2,4-Dinitrophenol	ND		6.0	49
2,4-Dinitrotoluene	ND		0.53	9.8
2,6-Dinitrotoluene	ND		0.78	9.8
Di-n-octyl phthalate	ND		2.0	9.8
Fluoranthene	ND		0.16	2.0
Fluorene	ND		0.21	2.0
Hexachlorobenzene	ND		0.18	2.0
Hexachlorobutadiene	ND		0.16	2.0
Hexachlorocyclopentadiene	ND		0.51	9.8
Hexachloroethane	ND		0.62	9.8
Indeno[1,2,3-cd]pyrene	ND		0.20	2.0
Isophorone	ND		0.63	9.8
2-Methylnaphthalene	ND		0.12	2.0

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620009.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/20/2013 1234			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.85	9.8
4-Methylphenol	ND		0.88	9.8
Naphthalene	ND		0.14	2.0
2-Nitroaniline	ND		3.4	49
3-Nitroaniline	ND		3.2	49
4-Nitroaniline	ND		1.7	49
Nitrobenzene	ND		0.83	20
2-Nitrophenol	ND		1.7	9.8
4-Nitrophenol	ND		6.3	49
N-Nitrosodi-n-propylamine	ND		0.30	2.0
N-Nitrosodiphenylamine	ND		0.84	9.8
2,2'-oxybis[1-chloropropane]	ND		0.19	2.0
Pentachlorophenol	ND		0.65	9.8
Phenanthrene	ND		0.42	2.0
Phenol	ND		0.57	2.0
Pyrene	ND		0.15	2.0
1,2,4-Trichlorobenzene	ND		0.70	9.8
2,4,5-Trichlorophenol	ND		1.5	9.8
2,4,6-Trichlorophenol	ND		1.7	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		35 - 108
2-Fluorophenol	65		26 - 100
Nitrobenzene-d5	73		37 - 104
Phenol-d5	64		30 - 102
Terphenyl-d14	49		25 - 130
2,4,6-Tribromophenol	62		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620009.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/20/2013 1234			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.03	6.5	T J
	Unknown	9.53	7.0	T J
	Unknown	9.74	4.6	T J
	Unknown	10.27	10	T J
	Unknown	12.18	9.4	T J
	Unknown	18.78	4.7	T J
	Unknown	19.37	4.8	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620010.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/20/2013 1302			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620010.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/20/2013 1302			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	49		26 - 100
Nitrobenzene-d5	56		37 - 104
Phenol-d5	52		30 - 102
Terphenyl-d14	43		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620010.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/20/2013 1302			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.71	31	T J
105-60-2	Caprolactam	7.84	17	T J N
	Unknown Substituted Phenol	9.08	6.2	T J
	Unknown	9.40	6.2	T J
	Unknown	9.54	5.0	T J
	Unknown	10.80	7.9	T J
	Unknown	11.97	4.5	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620011.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/20/2013 1330			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620011.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/20/2013 1330			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	49		26 - 100
Nitrobenzene-d5	55		37 - 104
Phenol-d5	49		30 - 102
Terphenyl-d14	38		25 - 130
2,4,6-Tribromophenol	40		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75438	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0620011.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/20/2013 1330			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.84	36	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1842			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1842			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	65		35 - 108
2-Fluorophenol	66		26 - 100
Nitrobenzene-d5	72		37 - 104
Phenol-d5	66		30 - 102
Terphenyl-d14	65		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1842			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.88	16	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621014.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1911			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621014.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1911			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	66		35 - 108
2-Fluorophenol	73		26 - 100
Nitrobenzene-d5	75		37 - 104
Phenol-d5	68		30 - 102
Terphenyl-d14	53		25 - 130
2,4,6-Tribromophenol	58		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621014.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/21/2013 1911			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621015.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/21/2013 1939			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	2.0
Acenaphthylene	ND		0.15	2.0
Anthracene	ND		0.15	2.0
Benzo[a]anthracene	ND		0.14	2.0
Benzo[a]pyrene	ND		0.13	2.0
Benzo[b]fluoranthene	ND		0.15	2.0
Benzo[g,h,i]perylene	ND		0.15	2.0
Benzoic acid	ND		5.5	49
Benzo[k]fluoranthene	ND		0.54	2.0
Benzyl alcohol	ND		2.1	9.8
Bis(2-chloroethoxy)methane	ND		0.57	9.8
Bis(2-chloroethyl)ether	ND		0.25	2.0
Bis(2-ethylhexyl) phthalate	ND		12	20
4-Bromophenyl phenyl ether	ND		0.62	9.8
Butyl benzyl phthalate	ND		1.4	9.8
4-Chloroaniline	ND		0.87	9.8
4-Chloro-3-methylphenol	ND		0.74	9.8
2-Chloronaphthalene	ND		0.15	2.0
2-Chlorophenol	ND		1.6	9.8
4-Chlorophenyl phenyl ether	ND		0.49	9.8
Chrysene	ND		0.14	2.0
Dibenz(a,h)anthracene	ND		0.15	2.0
Dibenzofuran	ND		0.60	9.8
1,2-Dichlorobenzene	ND		0.73	9.8
1,3-Dichlorobenzene	ND		0.73	9.8
1,4-Dichlorobenzene	ND		0.73	9.8
3,3'-Dichlorobenzidine	ND		1.1	9.8
2,4-Dichlorophenol	ND		0.33	2.0
Diethyl phthalate	ND		1.4	9.8
2,4-Dimethylphenol	ND		0.84	9.8
Dimethyl phthalate	ND		0.75	9.8
Di-n-butyl phthalate	ND		1.2	9.8
4,6-Dinitro-2-methylphenol	ND		2.2	49
2,4-Dinitrophenol	ND		6.0	49
2,4-Dinitrotoluene	ND		0.53	9.8
2,6-Dinitrotoluene	ND		0.78	9.8
Di-n-octyl phthalate	ND		2.0	9.8
Fluoranthene	ND		0.16	2.0
Fluorene	ND		0.21	2.0
Hexachlorobenzene	ND		0.18	2.0
Hexachlorobutadiene	ND		0.16	2.0
Hexachlorocyclopentadiene	ND		0.51	9.8
Hexachloroethane	ND		0.62	9.8
Indeno[1,2,3-cd]pyrene	ND		0.20	2.0
Isophorone	ND		0.63	9.8
2-Methylnaphthalene	ND		0.12	2.0

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621015.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/21/2013 1939			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.85	9.8
4-Methylphenol	ND		0.88	9.8
Naphthalene	ND		0.14	2.0
2-Nitroaniline	ND		3.4	49
3-Nitroaniline	ND		3.2	49
4-Nitroaniline	ND		1.7	49
Nitrobenzene	ND		0.83	20
2-Nitrophenol	ND		1.7	9.8
4-Nitrophenol	ND		6.3	49
N-Nitrosodi-n-propylamine	ND		0.30	2.0
N-Nitrosodiphenylamine	ND		0.84	9.8
2,2'-oxybis[1-chloropropane]	ND		0.19	2.0
Pentachlorophenol	ND		0.65	9.8
Phenanthrene	ND		0.42	2.0
Phenol	ND		0.57	2.0
Pyrene	ND		0.15	2.0
1,2,4-Trichlorobenzene	ND		0.70	9.8
2,4,5-Trichlorophenol	ND		1.5	9.8
2,4,6-Trichlorophenol	ND		1.7	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	60		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	60		30 - 102
Terphenyl-d14	48		25 - 130
2,4,6-Tribromophenol	56		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75575	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75110	Lab File ID:	V0621015.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/21/2013 1939			Final Weight/Volume:	10.0 mL
Prep Date:	06/18/2013 0929			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.87	5.0	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1941			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1941			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	70		45 - 130
Tetrachloro-m-xylene	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1956			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1956			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2012			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2012			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 130
Tetrachloro-m-xylene	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2027			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	0.066		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	0.067	p	0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	0.041	J p	0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	70		45 - 130
Tetrachloro-m-xylene	111		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2027			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	69		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2043			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	0.073		0.026	0.048
alpha-Chlordane	ND		0.038	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.029	0.048
delta-BHC	0.026	J	0.017	0.048
Dieldrin	ND		0.032	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.038	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.096
Toxaphene	ND		0.72	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	70		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2043			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	67		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2058			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2058			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2114			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2114			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2129			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.086		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.028	J	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	68		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2129			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	68		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-018**

Lab Sample ID: 180-22206-1 Date Sampled: 06/13/2013 1250
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0451			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	90		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-020**

Lab Sample ID: 180-22206-2 Date Sampled: 06/13/2013 1340
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0522			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	81		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-019**

Lab Sample ID: 180-22206-3 Date Sampled: 06/13/2013 1320
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0552			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		35 - 140
Tetrachloro-m-xylene	91		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-014**

Lab Sample ID: 180-22206-4 Date Sampled: 06/13/2013 0845
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0624			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-015**

Lab Sample ID: 180-22206-5 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0654			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.097	0.38
Aroclor 1221	ND		0.096	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.088	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		35 - 140
Tetrachloro-m-xylene	88		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-017**

Lab Sample ID: 180-22206-6 Date Sampled: 06/13/2013 1220
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0725			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	91		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-021**

Lab Sample ID: 180-22206-7 Date Sampled: 06/13/2013 1425
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0756			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22206-1

Client Sample ID: **WG-9954-061313-SG-016**

Lab Sample ID: 180-22206-9 Date Sampled: 06/13/2013 1005
Client Matrix: Water Date Received: 06/14/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76044	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75045	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0828			Injection Volume:	1 uL
Prep Date:	06/17/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	91		35 - 140

3.4 + .1 = 3.5 #7

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

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-04-1
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061313-SG-018	WG	06/13/2013	12:50	2	2	3	
WG-9954-061313-SG-020	WG	06/13/2013	13:40	2	2	3	
WG-9954-061313-SG-019	WG	06/13/2013	13:20	2	2	3	
WG-9954-061313-SG-014	WG	06/13/2013	08:45	2	2	3	
WG-9954-061313-SG-015	WG	06/13/2013	10:05	2	2	3	
WG-9954-061313-SG-017	WG	06/13/2013	12:20	2	2	3	
RB-9954-061313-SG-021	WG Q	06/13/2013	14:25	2	2	3	
TB-9954-061313	WG Q	06/13/2013	00:00	-	-	3	
WG-9954-061313-SG-016	WG	06/13/2013	10:05	2	2	3	
Total Bottles				**16**	**16**	**27**	**Grand Total:59**

180-22206 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	4	Shawn Gardner	6/13/13	1600	Jonathan Watkins	6/14/13	9:00a
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-22264-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/11/2013 1:55 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/11/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

- Report Narrative 5
- Manual Integration Summary 6
- Sample Summary 45
- Executive Summary 46
- Method Summary 48
- Method / Analyst Summary 49
- Sample Datasheets 50
- Surrogate Summary 236
- QC Data Summary 244
- Data Qualifiers 289
- QC Association Summary 290
- Lab Chronicle 297
- Reagent Traceability 308
  - COAs 347
- Certification Summary 409

Organic Sample Data 410

- GC/MS VOA 410
  - Method 8260B 410
    - Method 8260B QC Summary 411
    - Method 8260B Sample Data 441
    - Standards Data 657
      - Method 8260B ICAL Data 657
      - Method 8260B CCAL Data 919
    - Raw QC Data 966

Table of Contents

Method 8260B Tune Data 966

Method 8260B Blank Data 998

Method 8260B LCS/LCSD Data 1031

Method 8260B MS/MSD Data 1060

Method 8260B Run Logs 1105

GC/MS Semi VOA 1113

Method 8270C 1113

Method 8270C QC Summary 1114

Method 8270C Sample Data 1149

Standards Data 1410

Method 8270C ICAL Data 1410

Method 8270C CCAL Data 1683

Raw QC Data 1744

Method 8270C Tune Data 1744

Method 8270C Blank Data 1814

Method 8270C LCS/LCSD Data 1832

Method 8270C MS/MSD Data 1862

Method 8270C Run Logs 1880

Method 8270C Prep Data 1889

GC Semi VOA 1894

Method 8081A 1894

Method 8081A QC Summary 1895

Method 8081A Sample Data 1923

Standards Data 2107

Method 8081A ICAL Data 2107

Method 8081A PEM Data 2151

Table of Contents

Method 8081A CCAL Data 2169

Raw QC Data 2223

Method 8081A Blank Data 2223

Method 8081A LCS/LCSD Data 2239

Method 8081A MS/MSD Data 2263

Method 8081A Run Logs 2279

Method 8081A Prep Data 2289

Method 8082 2293

Method 8082 QC Summary 2294

Method 8082 Sample Data 2310

Standards Data 2402

Method 8082 ICAL Data 2402

Method 8082 CCAL Data 2536

Raw QC Data 2563

Method 8082 Blank Data 2563

Method 8082 LCS/LCSD Data 2571

Method 8082 MS/MSD Data 2585

Method 8082 Run Logs 2593

Method 8082 Prep Data 2598

Shipping and Receiving Documents 2602

Client Chain of Custody 2603

Sample Receipt Checklist 2611

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22264-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/18/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 11 coolers at receipt time were 3.3º C, 3.5º C, 3.6º C, 3.7º C, 3.8º C, 3.9º C, 4.1º C, 4.2º C, 4.4º C, 4.5º C and 4.8º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample WG-9954-061413-SG-027 (180-22264-5) had surrogate 1,2-Dichloroethane-d4 recover high and outside of the control limits due to matrix interference,

Methylene Chloride was detected in method blank MB 180-75780 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control standards had compounds recover outside of the control limits. All control compounds recovered within the control limits. All data was reported.

The matrix spike and matrix spike duplicate of sample WG-9954-061513-SG-032 (180-22264-1) recovered outside of the control limits for several compounds.

The relative percent difference between the matrix spike and the matrix spike duplicate of sample WG-9954-061413-SG-024 (180-22264-20) was outside of the control limits for 2-Hexanone.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample WG-9954-061513-SG-032 (180-22264-1) had surrogateTerphenyl-d14 recover low and outside of the control limits. The matrix spike and matrix spike duplicate of this sample also had this surrogate recover low and outside of the control limits confirming matrix interference.

PESTICIDES

No difficulties were encountered during the pesticides analysis.

PCBS

The continuing calibration standards were outside of criteria on the high side. All samples were non-detect. All data was reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22264-1	WG-9954-061513-SG-032	Water	06/15/2013 0850	06/18/2013 0900
180-22264-1MS	WG-9954-061513-SG-032	Water	06/15/2013 0850	06/18/2013 0900
180-22264-1MSD	WG-9954-061513-SG-032	Water	06/15/2013 0850	06/18/2013 0900
180-22264-2	WG-9954-061513-SG-033	Water	06/15/2013 1025	06/18/2013 0900
180-22264-3	WG-9954-061513-SG-034	Water	06/15/2013 1110	06/18/2013 0900
180-22264-4	WG-9954-061513-SG-035	Water	06/15/2013 1155	06/18/2013 0900
180-22264-5	WG-9954-061413-SG-027	Water	06/14/2013 1410	06/18/2013 0900
180-22264-6	WG-9954-061713-SG-040	Water	06/17/2013 1210	06/18/2013 0900
180-22264-7	WG-9954-061713-SG-037	Water	06/17/2013 0945	06/18/2013 0900
180-22264-8	WG-9954-061713-SG-038	Water	06/17/2013 1030	06/18/2013 0900
180-22264-9	WG-9954-061713-SG-039	Water	06/17/2013 1125	06/18/2013 0900
180-22264-10	WG-9954-061413-SG-025	Water	06/14/2013 1230	06/18/2013 0900
180-22264-11	WG-9954-061413-SG-022	Water	06/14/2013 0920	06/18/2013 0900
180-22264-12	WG-9954-061713-SG-042	Water	06/17/2013 1315	06/18/2013 0900
180-22264-13	WG-9954-061413-SG-028	Water	06/14/2013 1510	06/18/2013 0900
180-22264-14	WG-9954-061413-SG-029	Water	06/14/2013 1620	06/18/2013 0900
180-22264-15	WG-9954-061713-SG-043	Water	06/17/2013 1400	06/18/2013 0900
180-22264-16	WG-9954-061413-SG-030	Water	06/14/2013 1655	06/18/2013 0900
180-22264-17	WG-9954-061713-SG-044	Water	06/17/2013 1440	06/18/2013 0900
180-22264-18	WG-9954-061413-SG-026	Water	06/14/2013 1340	06/18/2013 0900
180-22264-19	WG-9954-061513-SG-031	Water	06/15/2013 0805	06/18/2013 0900
180-22264-20	WG-9954-061413-SG-024	Water	06/14/2013 1135	06/18/2013 0900
180-22264-21	WG-9954-061413-SG-023	Water	06/14/2013 1030	06/18/2013 0900
180-22264-22	TB-9954-061413	Water	06/14/2013 0000	06/18/2013 0900
180-22264-23	WG-9954-061713-SG-041	Water	06/17/2013 1210	06/18/2013 0900
180-22264-24	WG-9954-061513-SG-036	Water	06/15/2013 1155	06/18/2013 0900

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22264-2	**WG-9954-061513-SG-033**					
Methylene Chloride		1.2	J	5.0	ug/L	8260B
180-22264-4	**WG-9954-061513-SG-035**					
Carbon disulfide		2.2	J	5.0	ug/L	8260B
180-22264-5	**WG-9954-061413-SG-027**					
Carbon disulfide		2.7	J	5.0	ug/L	8260B
Naphthalene		0.92	J	1.9	ug/L	8270C
180-22264-6	**WG-9954-061713-SG-040**					
Chlorobenzene		0.97	J	5.0	ug/L	8260B
cis-1,2-Dichloroethene		1.6	J	5.0	ug/L	8260B
Trichloroethene		7.6		5.0	ug/L	8260B
1,2,4-Trichlorobenzene		4.7	J	9.5	ug/L	8270C
alpha-BHC		0.028	J	0.048	ug/L	8081A
180-22264-7	**WG-9954-061713-SG-037**					
delta-BHC		0.044	J	0.047	ug/L	8081A
180-22264-8	**WG-9954-061713-SG-038**					
alpha-BHC		0.048		0.048	ug/L	8081A
delta-BHC		0.029	J	0.048	ug/L	8081A
gamma-BHC (Lindane)		0.041	J	0.048	ug/L	8081A
180-22264-9	**WG-9954-061713-SG-039**					
Bis(2-ethylhexyl) phthalate		14	J	19	ug/L	8270C
delta-BHC		0.031	J	0.047	ug/L	8081A
180-22264-10	**WG-9954-061413-SG-025**					
Diethyl phthalate		1.4	J	9.5	ug/L	8270C
180-22264-12	**WG-9954-061713-SG-042**					
alpha-BHC		0.026	J	0.047	ug/L	8081A
delta-BHC		0.083		0.047	ug/L	8081A
gamma-BHC (Lindane)		0.043	J	0.047	ug/L	8081A

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22264-19	**WG-9954-061513-SG-031**					
alpha-BHC		0.029	J	0.047	ug/L	8081A
delta-BHC		0.021	J p	0.047	ug/L	8081A
gamma-BHC (Lindane)		0.046	J	0.047	ug/L	8081A
180-22264-20	**WG-9954-061413-SG-024**					
Methylene Chloride		1.3	J B	5.0	ug/L	8260B
180-22264-23	**WG-9954-061713-SG-041**					
Chlorobenzene		0.69	J	5.0	ug/L	8260B
cis-1,2-Dichloroethene		1.6	J	5.0	ug/L	8260B
Trichloroethene		7.2		5.0	ug/L	8260B
1,2,4-Trichlorobenzene		4.5	J	9.5	ug/L	8270C
alpha-BHC		0.047		0.047	ug/L	8081A
delta-BHC		0.033	J	0.047	ug/L	8081A

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Method	Analyst	Analyst ID
SW846 8260B	Journet, Patrick	PJJ
SW846 8260B	Zukowski, Mike	MAZ
SW846 8270C	Bacha, Sharon A	SAB
SW846 8270C	Bungard, Frank	FBB
SW846 8270C	Piccolino, Vincent	VVP
SW846 8081A	Oravec, John	JMO
SW846 8082	Gupta, Ashok	AKG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062108.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0233			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0233				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	114		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062108.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0233			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0233				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown Alkane	13.88	5.6	T J
	Unknown Alkane	14.35	5.5	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N25.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2235			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2235				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	1.2	J	1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	79		75 - 120
Dibromofluoromethane (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		62 - 123
Toluene-d8 (Surr)	98		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N25.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2235			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2235				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N11.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1630			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1630				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	115		80 - 120
1,2-Dichloroethane-d4 (Surr)	115		62 - 123
Toluene-d8 (Surr)	110		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N11.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1630			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1630				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N12.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1656			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1656				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	2.2	J	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		62 - 123
Toluene-d8 (Surr)	100		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N12.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1656			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1656				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062422.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1900			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1900				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	2.7	J	1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	104		80 - 120
1,2-Dichloroethane-d4 (Surr)	131	X	62 - 123
Toluene-d8 (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062422.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1900			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1900				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
74-93-1	Methanethiol	2.43	640	T J N
624-89-5	Ethane, (methylthio)-	6.02	37	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N15.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1814			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1814				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	0.97	J	0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	1.6	J	0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	7.6		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	106		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N15.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1814			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1814				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N16.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1840			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	112		80 - 120
1,2-Dichloroethane-d4 (Surr)	118		62 - 123
Toluene-d8 (Surr)	115		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N16.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1840			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1840				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	2.81	110	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N17.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1907			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1907				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	117		80 - 120
1,2-Dichloroethane-d4 (Surr)	118		62 - 123
Toluene-d8 (Surr)	117		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N17.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1907			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1907				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N18.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1933			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1933				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	116		80 - 120
1,2-Dichloroethane-d4 (Surr)	117		62 - 123
Toluene-d8 (Surr)	111		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N18.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1933			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1933				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	2.83	110	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062125.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0959			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0959				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062125.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 0959			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 0959				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062126.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 1024			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	88		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062126.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 1024			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 1024				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N19.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1959			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1959				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	83		75 - 120
Dibromofluoromethane (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		62 - 123
Toluene-d8 (Surr)	103		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N19.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1959			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1959				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062127.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 1049			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 1049				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND	*	1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	108		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75421	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062127.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/21/2013 1049			Final Weight/Volume:	5 mL
Prep Date:	06/21/2013 1049				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062423.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1925			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1925				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	91		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	83		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062423.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1925			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1925				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N20.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2025			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2025				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	84		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		62 - 123
Toluene-d8 (Surr)	98		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N20.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2025			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2025				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
66-25-1	Hexanal	10.16	7.6	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062424.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1950			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1950				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062424.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 1950			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 1950				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N21.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2051			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2051				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	83		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		62 - 123
Toluene-d8 (Surr)	103		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N21.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2051			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2051				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062425.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 2015			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 2015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND	*	0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	88		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75657	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7062425.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/24/2013 2015			Final Weight/Volume:	5 mL
Prep Date:	06/24/2013 2015				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
96-47-9	Furan, tetrahydro-2-methyl-	7.29	18	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N13.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1722			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1722				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	112		62 - 123
Toluene-d8 (Surr)	108		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N13.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1722			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1722				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75780	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062505.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/25/2013 1326			Final Weight/Volume:	5 mL
Prep Date:	06/25/2013 1326				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	1.3	J B	1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	85		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	106		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75780	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4062505.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/25/2013 1326			Final Weight/Volume:	5 mL
Prep Date:	06/25/2013 1326				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N06.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1412			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1412				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	96		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N06.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1412			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1412				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **TB-9954-061413**

Lab Sample ID: 180-22264-22 Date Sampled: 06/14/2013 0000
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N05.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1347			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1347				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		62 - 123
Toluene-d8 (Surr)	106		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **TB-9954-061413**

Lab Sample ID: 180-22264-22 Date Sampled: 06/14/2013 0000
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N05.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1347			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1347				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N22.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2117			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2117				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	0.69	J	0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	1.6	J	0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	7.2		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	79		75 - 120
Dibromofluoromethane (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N22.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 2117			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 2117				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
95-49-8	Benzene, 1-chloro-2-methyl-	12.31	6.4	T J N
120-82-1	1,2,4-Trichlorobenzene	15.24	3.3	J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N14.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1748			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1748				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND	*	0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	112		80 - 120
1,2-Dichloroethane-d4 (Surr)	112		62 - 123
Toluene-d8 (Surr)	111		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-75914	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	40626N14.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/26/2013 1748			Final Weight/Volume:	5 mL
Prep Date:	06/26/2013 1748				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76249	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2206			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76249	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2206			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	45		35 - 108
2-Fluorophenol	39		26 - 100
Nitrobenzene-d5	50		37 - 104
Phenol-d5	39		30 - 102
Terphenyl-d14	23	X	25 - 130
2,4,6-Tribromophenol	54		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76249	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2206			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	16	T J N
	Unknown	8.99	7.6	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76365	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0701001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/01/2013 1319			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76365	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0701001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/01/2013 1319			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	46		35 - 108
2-Fluorophenol	42		26 - 100
Nitrobenzene-d5	50		37 - 104
Phenol-d5	43		30 - 102
Terphenyl-d14	36		25 - 130
2,4,6-Tribromophenol	40		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76365	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0701001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/01/2013 1319			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.86	4.3	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1455			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1455			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	58		26 - 100
Nitrobenzene-d5	68		37 - 104
Phenol-d5	61		30 - 102
Terphenyl-d14	39		25 - 130
2,4,6-Tribromophenol	51		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702001.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1455			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.85	2.0	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702002.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1524			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702002.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1524			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	52		26 - 100
Nitrobenzene-d5	62		37 - 104
Phenol-d5	58		30 - 102
Terphenyl-d14	37		25 - 130
2,4,6-Tribromophenol	51		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76489	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	V0702002.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/02/2013 1524			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.85	2.9	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628011.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/28/2013 1247			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628011.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/28/2013 1247			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	0.92	J	0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	50		35 - 108
2-Fluorophenol	53		26 - 100
Nitrobenzene-d5	60		37 - 104
Phenol-d5	53		30 - 102
Terphenyl-d14	30		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628011.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/28/2013 1247			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	2.24	4.3	T J
	Unknown	5.75	9.0	T J
	Unknown	7.67	39	T J
105-60-2	Caprolactam	7.81	9.7	T J N
	Unknown Substituted Phenol	9.14	12	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628012.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1314			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628012.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1314			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	4.7	J	0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	58		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	28		25 - 130
2,4,6-Tribromophenol	59		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628012.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1314			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
95-13-6	Indene	6.13	0.81	J
105-60-2	Caprolactam	7.80	3.7	T J N
	Unknown	11.85	9.1	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1341			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1341			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	64		26 - 100
Nitrobenzene-d5	76		37 - 104
Phenol-d5	61		30 - 102
Terphenyl-d14	39		25 - 130
2,4,6-Tribromophenol	68		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1341			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	2.8	T J N
	Unknown	11.70	5.9	T J
	Unknown	11.84	5.2	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628014.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1514			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628014.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1514			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	50		35 - 108
2-Fluorophenol	50		26 - 100
Nitrobenzene-d5	60		37 - 104
Phenol-d5	49		30 - 102
Terphenyl-d14	30		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628014.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1514			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.82	23	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1541			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	14	J	12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1541			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	60		26 - 100
Nitrobenzene-d5	70		37 - 104
Phenol-d5	60		30 - 102
Terphenyl-d14	32		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1541			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.81	12	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1608			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	1.4	J	1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1608			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	49		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	50		30 - 102
Terphenyl-d14	57		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1608			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.81	15	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1636			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1636			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	56		26 - 100
Nitrobenzene-d5	74		37 - 104
Phenol-d5	50		30 - 102
Terphenyl-d14	38		25 - 130
2,4,6-Tribromophenol	53		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1636			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.81	9.7	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2013 1354			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2013 1354			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND	*	0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		35 - 108
2-Fluorophenol	68		26 - 100
Nitrobenzene-d5	71		37 - 104
Phenol-d5	67		30 - 102
Terphenyl-d14	42		25 - 130
2,4,6-Tribromophenol	70		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626017.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2013 1354			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.99	13	T J N
	Unknown	9.23	5.1	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1703			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1703			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	56		26 - 100
Nitrobenzene-d5	69		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	36		25 - 130
2,4,6-Tribromophenol	56		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1703			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	10	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1730			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1730			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	55		26 - 100
Nitrobenzene-d5	70		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	36		25 - 130
2,4,6-Tribromophenol	55		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1730			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.81	56	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1421			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1421			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND	*	0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		35 - 108
2-Fluorophenol	71		26 - 100
Nitrobenzene-d5	75		37 - 104
Phenol-d5	71		30 - 102
Terphenyl-d14	44		25 - 130
2,4,6-Tribromophenol	68		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1421			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.99	38	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628020.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1757			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628020.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1757			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	62		26 - 100
Nitrobenzene-d5	73		37 - 104
Phenol-d5	63		30 - 102
Terphenyl-d14	46		25 - 130
2,4,6-Tribromophenol	59		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628020.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1757			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1038			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.81	24	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1448			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1448			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND	*	0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	67		26 - 100
Nitrobenzene-d5	72		37 - 104
Phenol-d5	69		30 - 102
Terphenyl-d14	47		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75946	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0626019.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/26/2013 1448			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.99	15	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1824			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1824			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	70		37 - 104
Phenol-d5	59		30 - 102
Terphenyl-d14	30		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628021.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 1824			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.72	6.3	T J
	Unknown	7.74	7.5	T J
105-60-2	Caprolactam	7.86	510	T J N
	Unknown	8.77	53	T J
	Unknown	8.86	4.7	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1852			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1852			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	52		35 - 108
2-Fluorophenol	48		26 - 100
Nitrobenzene-d5	63		37 - 104
Phenol-d5	46		30 - 102
Terphenyl-d14	33		25 - 130
2,4,6-Tribromophenol	53		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1852			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	3.4	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628023.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1918			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628023.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1918			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	53		35 - 108
2-Fluorophenol	55		26 - 100
Nitrobenzene-d5	66		37 - 104
Phenol-d5	52		30 - 102
Terphenyl-d14	35		25 - 130
2,4,6-Tribromophenol	49		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628023.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1918			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	2.2	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628024.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1945			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628024.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1945			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	72		37 - 104
Phenol-d5	62		30 - 102
Terphenyl-d14	67		25 - 130
2,4,6-Tribromophenol	58		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628024.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/28/2013 1945			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	5.7	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0627013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0736			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0627013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0736			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND	*	0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	4.5	J	0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	47		35 - 108
2-Fluorophenol	52		26 - 100
Nitrobenzene-d5	57		37 - 104
Phenol-d5	49		30 - 102
Terphenyl-d14	29		25 - 130
2,4,6-Tribromophenol	52		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75388	Lab File ID:	F0627013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0736			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1444			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.99	58	
	Unknown	9.25	4.5	T J
	Unknown	16.12	4.5	T J
	Unknown	17.38	4.4	T J
	Unknown	17.47	6.9	T J
	Unknown	20.37	10	T J
	Unknown	21.08	4.5	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2012			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	ND		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2012			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	61		35 - 108
2-Fluorophenol	57		26 - 100
Nitrobenzene-d5	73		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	37		25 - 130
2,4,6-Tribromophenol	52		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76261	Instrument ID:	732
Prep Method:	3520C	Prep Batch:	180-75348	Lab File ID:	D0628025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 2012			Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1042			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.80	7.1	T J N
	Unknown	9.09	4.0	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0807			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0807			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	83		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1222			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1222			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1237			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1237			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1253			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1253			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0548			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0548			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1339			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	0.028	J	0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	80		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1339			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1355			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.044	J	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		45 - 130
Tetrachloro-m-xylene	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1355			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1410			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	0.048		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	0.029	J	0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	0.041	J	0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1410			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1426			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.031	J	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	88		45 - 130
Tetrachloro-m-xylene	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1426			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0603			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	76		45 - 130
Tetrachloro-m-xylene	89		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0603			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0619			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0619			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	74		45 - 130
Tetrachloro-m-xylene	78		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1442			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.026	J	0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.083		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.043	J	0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	83		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1442			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	80		45 - 130
Tetrachloro-m-xylene	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0634			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0634			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	78		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0650			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 130
Tetrachloro-m-xylene	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0650			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	76		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1457			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	81		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1457			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	80		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0705			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0705			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1513			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		45 - 130
Tetrachloro-m-xylene	89		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1513			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		45 - 130
Tetrachloro-m-xylene	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0721			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 130
Tetrachloro-m-xylene	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0721			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	71		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1308			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.029	J	0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.021	J p	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.046	J	0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1308			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0736			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0736			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0752			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		45 - 130
Tetrachloro-m-xylene	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0752			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	83		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1529			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.047		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.033	J	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	90		45 - 130
Tetrachloro-m-xylene	96		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1529			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1324			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		45 - 130
Tetrachloro-m-xylene	76		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1324			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	72		45 - 130
Tetrachloro-m-xylene	72		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-032**

Lab Sample ID: 180-22264-1 Date Sampled: 06/15/2013 0850
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0234			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	83		35 - 140
Tetrachloro-m-xylene	80		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-033**

Lab Sample ID: 180-22264-2 Date Sampled: 06/15/2013 1025
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1657			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	90		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-034**

Lab Sample ID: 180-22264-3 Date Sampled: 06/15/2013 1110
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1728			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	92		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-035**

Lab Sample ID: 180-22264-4 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1800			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		35 - 140
Tetrachloro-m-xylene	91		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-027**

Lab Sample ID: 180-22264-5 Date Sampled: 06/14/2013 1410
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/28/2013 2253			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	88		35 - 140
Tetrachloro-m-xylene	84		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-040**

Lab Sample ID: 180-22264-6 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1933			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	80		35 - 140
Tetrachloro-m-xylene	88		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-037**

Lab Sample ID: 180-22264-7 Date Sampled: 06/17/2013 0945
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2004			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-038**

Lab Sample ID: 180-22264-8 Date Sampled: 06/17/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2035			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	92		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-039**

Lab Sample ID: 180-22264-9 Date Sampled: 06/17/2013 1125
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2106			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-025**

Lab Sample ID: 180-22264-10 Date Sampled: 06/14/2013 1230
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/28/2013 2318			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	90		35 - 140
Tetrachloro-m-xylene	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-022**

Lab Sample ID: 180-22264-11 Date Sampled: 06/14/2013 0920
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/28/2013 2342			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	89		35 - 140
Tetrachloro-m-xylene	80		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-042**

Lab Sample ID: 180-22264-12 Date Sampled: 06/17/2013 1315
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2137			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	89		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-028**

Lab Sample ID: 180-22264-13 Date Sampled: 06/14/2013 1510
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0007			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		35 - 140
Tetrachloro-m-xylene	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-029**

Lab Sample ID: 180-22264-14 Date Sampled: 06/14/2013 1620
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0031			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	85		35 - 140
Tetrachloro-m-xylene	77		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-043**

Lab Sample ID: 180-22264-15 Date Sampled: 06/17/2013 1400
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2208			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	89		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-030**

Lab Sample ID: 180-22264-16 Date Sampled: 06/14/2013 1655
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0056			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	83		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-044**

Lab Sample ID: 180-22264-17 Date Sampled: 06/17/2013 1440
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2239			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	79		35 - 140
Tetrachloro-m-xylene	94		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-026**

Lab Sample ID: 180-22264-18 Date Sampled: 06/14/2013 1340
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0120			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	88		35 - 140
Tetrachloro-m-xylene	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-031**

Lab Sample ID: 180-22264-19 Date Sampled: 06/15/2013 0805
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1831			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	77		35 - 140
Tetrachloro-m-xylene	93		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-024**

Lab Sample ID: 180-22264-20 Date Sampled: 06/14/2013 1135
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0145			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061413-SG-023**

Lab Sample ID: 180-22264-21 Date Sampled: 06/14/2013 1030
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76221	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-75279	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/29/2013 0210			Injection Volume:	1 uL
Prep Date:	06/19/2013 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		35 - 140
Tetrachloro-m-xylene	85		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061713-SG-041**

Lab Sample ID: 180-22264-23 Date Sampled: 06/17/2013 1210
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 2310			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	81		35 - 140
Tetrachloro-m-xylene	90		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22264-1

Client Sample ID: **WG-9954-061513-SG-036**

Lab Sample ID: 180-22264-24 Date Sampled: 06/15/2013 1155
Client Matrix: Water Date Received: 06/18/2013 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75280	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/21/2013 1902			Injection Volume:	1 uL
Prep Date:	06/19/2013 1440			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	81		35 - 140
Tetrachloro-m-xylene	91		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-05-1
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition

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

3.5, 3.9, 3.3, 4.2, 4.5, 3.8, 3.7, #2
4.4, 4.8, 4.1, 3.6

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061513-SG-032	WG	06/15/2013	08:50	10	6	9	MS/MSD
WG-9954-061513-SG-033	WG	06/15/2013	10:25	2	2	3	
WG-9954-061513-SG-034	WG	06/15/2013	11:10	2	2	3	
WG-9954-061513-SG-035	WG	06/15/2013	11:55	2	2	3	
WG-9954-061413-SG-027	WG	06/14/2013	14:10	2	2	3	
WG-9954-061713-SG-040	WG	06/17/2013	12:10	2	2	3	
WG-9954-061713-SG-037	WG	06/17/2013	09:45	2	2	3	
WG-9954-061713-SG-038	WG	06/17/2013	10:30	2	2	3	
WG-9954-061713-SG-039	WG	06/17/2013	11:25	2	2	3	
WG-9954-061413-SG-025	WG	06/14/2013	12:30	2	2	3	
WG-9954-061413-SG-022	WG	06/14/2013	09:20	2	2	3	
WG-9954-061713-SG-042	WG	06/17/2013	13:15	2	2	3	
WG-9954-061413-SG-028	WG	06/14/2013	15:10	2	2	3	
WG-9954-061413-SG-029	WG	06/14/2013	16:20	2	2	3	
WG-9954-061713-SG-043	WG	06/17/2013	14:00	2	2	3	
WG-9954-061413-SG-030	WG	06/14/2013	16:55	2	2	3	

180-22264 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	11	Shawn Gardner	6/17/13	1650	MONA	6-18-13	900
AIRBILL#:							

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-05-2
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061713-SG-044	WG	06/17/2013	14:40	2	2	3	
WG-9954-061413-SG-026	WG	06/14/2013	13:40	2	2	3	
WG-9954-061513-SG-031	WG	06/15/2013	08:05	2	2	3	
WG-9954-061413-SG-024	WG	06/14/2013	11:35	2	2	3	
WG-9954-061413-SG-023	WG	06/14/2013	10:30	2	2	3	
TB-9954-061413	WG Q	06/14/2013	00:00	0	0	3	
WG-9954-061713-SG-041	WG	06/17/2013	12:10	2	2	3	
WG-9954-061513-SG-036	WG	06/15/2013	11:55	2	2	3	
Total Bottles				**54**	**50**	**78**	**Grand Total:182**

Sample Condition

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

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	11	Shawn Gardner	6/17/13	1650	[illegible]	6-18-13	9a
AIRBILL#:							

ANALYTICAL REPORT

Job Number: 180-22338-1

Job Description: 9954, Love Canal Annual

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi

Approved for release.
Jill L Colussy
Project Manager I
7/11/2013 4:34 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/11/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 6

Sample Summary 18

Executive Summary 19

Method Summary 20

Method / Analyst Summary 21

Sample Datasheets 22

Surrogate Summary 53

QC Data Summary 57

Data Qualifiers 73

QC Association Summary 74

Lab Chronicle 76

Reagent Traceability 79

COAs 113

Certification Summary 140

Organic Sample Data 141

GC/MS VOA 141

Method 8260B 141

Method 8260B QC Summary 142

Method 8260B Sample Data 155

Standards Data 193

Method 8260B ICAL Data 193

Method 8260B CCAL Data 325

Raw QC Data 345

Table of Contents

Method 8260B Tune Data 345

Method 8260B Blank Data 361

Method 8260B LCS/LCSD Data 377

Method 8260B Run Logs 389

GC/MS Semi VOA 393

Method 8270C 393

Method 8270C QC Summary 394

Method 8270C Sample Data 407

Standards Data 491

Method 8270C ICAL Data 491

Method 8270C CCAL Data 575

Raw QC Data 596

Method 8270C Tune Data 596

Method 8270C Blank Data 618

Method 8270C LCS/LCSD Data 628

Method 8270C Run Logs 647

Method 8270C Prep Data 650

GC Semi VOA 652

Method 8081A 652

Method 8081A QC Summary 653

Method 8081A Sample Data 668

Standards Data 700

Method 8081A ICAL Data 700

Method 8081A PEM Data 744

Method 8081A CCAL Data 768

Raw QC Data 816

Table of Contents

Method 8081A Blank Data 816

Method 8081A LCS/LCSD Data 824

Method 8081A Run Logs 840

Method 8081A Prep Data 850

Method 8082 851

Method 8082 QC Summary 852

Method 8082 Sample Data 859

Standards Data 871

Method 8082 ICAL Data 871

Method 8082 CCAL Data 932

Raw QC Data 948

Method 8082 Blank Data 948

Method 8082 LCS/LCSD Data 952

Method 8082 Run Logs 960

Method 8082 Prep Data 963

Shipping and Receiving Documents 964

Client Chain of Custody 965

Sample Receipt Checklist 966

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-22338-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 6/19/2013 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.8º C and 4.0º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Due to the concentration of target compounds detected, sample WG-9954-061813-SG-045 (180-22338-1)[100X] was analyzed at a dilution. The reporting limits have been adjusted accordingly.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Due to the concentration of target compounds detected, sample WG-9954-061813-SG-045 (180-22338-1)[100X] was analyzed at a dilution. The reporting limits have been adjusted accordingly. This sample had the surrogates diluted out.

The benzoic acid result on the undiluted analysis of sample WG-9954-061813-SG-045 (180-22338-1) is reported as ND E due to the response being too high to be calculated off the quadratic curve it was plotted against. Thus a dilution was performed to bring the result with in the slope of the quadratic curve so that it could be plotted.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 180-75443/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

PESTICIDES
Due to the concentration of alpha-BHC detected, sample WG-9954-061813-SG-045 (180-22338-1)[10X] was analyzed at a dilution. The reporting limits have been adjusted accordingly. This sample had surrogate terachloro-m-xylene recover outside of the control limits. The recoveries of decachlorobiphenyl surrogate were within the control limits. All data was reported.

PCBS
Tetrachloro-m-xylene failed the surrogate recovery criteria high for Sample WG-9954-061813-SG-045 (180-22338-1) had surrogate tetrachloro-m-xylene recover outside of the control limits. The recovery of decachlorobiphenyl surrogate was within the control limits.

The continuing calibration standards did not meet criteria on the high side. The samples were non-detect for PCBs. All data was reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-22338-1	WG-9954-061813-SG-045	Water	06/18/2013 1020	06/19/2013 0840
180-22338-2	WG-9954-061813-SG-046	Water	06/18/2013 1110	06/19/2013 0840
180-22338-3	RB-9954-061813-SG-047	Water	06/18/2013 1140	06/19/2013 0840
180-22338-4	TB-9954-061813	Water	06/18/2013 0000	06/19/2013 0840

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-22338-1	**WG-9954-061813-SG-045**					
Benzene		2500		500	ug/L	8260B
Chlorobenzene		730		500	ug/L	8260B
Toluene		6100		500	ug/L	8260B
Benzoic acid		16000		4800	ug/L	8270C
Benzyl alcohol		380	J	950	ug/L	8270C
Bis(2-chloroethyl)ether		26		1.9	ug/L	8270C
4-Chloro-3-methylphenol		23		9.5	ug/L	8270C
2-Chloronaphthalene		210		1.9	ug/L	8270C
2-Chlorophenol		28		9.5	ug/L	8270C
1,2-Dichlorobenzene		45		9.5	ug/L	8270C
1,3-Dichlorobenzene		5.2	J	9.5	ug/L	8270C
1,4-Dichlorobenzene		130		9.5	ug/L	8270C
2,4-Dichlorophenol		360		1.9	ug/L	8270C
2-Methylphenol		29		9.5	ug/L	8270C
4-Methylphenol		89		9.5	ug/L	8270C
Phenol		92		1.9	ug/L	8270C
1,2,4-Trichlorobenzene		69		9.5	ug/L	8270C
2,4,5-Trichlorophenol		10		9.5	ug/L	8270C
2,4,6-Trichlorophenol		12		9.5	ug/L	8270C
Aldrin		0.16	p	0.048	ug/L	8081A
alpha-BHC		20		0.48	ug/L	8081A
beta-BHC		5.9		0.048	ug/L	8081A
4,4'-DDD		0.089	p	0.048	ug/L	8081A
4,4'-DDE		0.053		0.048	ug/L	8081A
delta-BHC		5.2		0.048	ug/L	8081A
Endosulfan II		0.053	p	0.048	ug/L	8081A
gamma-BHC (Lindane)		3.9		0.048	ug/L	8081A
gamma-Chlordane		0.065		0.048	ug/L	8081A
Heptachlor		0.15	p	0.048	ug/L	8081A
Heptachlor epoxide		0.22	p	0.048	ug/L	8081A
180-22338-2	**WG-9954-061813-SG-046**					
Benzoic acid		22	J	48	ug/L	8270C
Butyl benzyl phthalate		7.6	J	9.6	ug/L	8270C
180-22338-3	**RB-9954-061813-SG-047**					
alpha-BHC		0.056		0.048	ug/L	8081A
gamma-BHC (Lindane)		0.049		0.048	ug/L	8081A

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Method	Analyst	Analyst ID
SW846 8260B	Journet, Patrick	PJJ
SW846 8270C	Addison, Craig	CA1
SW846 8270C	Bacha, Sharon A	SAB
SW846 8081A	Oravec, John	JMO
SW846 8082	Gupta, Ashok	AKG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76319	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4070111.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2013 1444			Final Weight/Volume:	5 mL
Prep Date:	07/01/2013 1444				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		500	2000
Benzene	2500		99	500
Bromodichloromethane	ND		93	500
Bromoform	ND		110	500
Bromomethane	ND		160	500
2-Butanone (MEK)	ND		110	500
Carbon disulfide	ND		110	500
Carbon tetrachloride	ND		110	500
Chlorobenzene	730		53	500
Chloroethane	ND		75	500
Chloroform	ND		100	500
Chloromethane	ND		140	500
cis-1,2-Dichloroethene	ND		67	500
cis-1,3-Dichloropropene	ND		73	500
Dibromochloromethane	ND		65	500
1,1-Dichloroethane	ND		100	500
1,2-Dichloroethane	ND		96	500
1,1-Dichloroethene	ND		110	500
1,2-Dichloropropane	ND		130	500
Ethylbenzene	ND		62	500
2-Hexanone	ND		57	500
Methylene Chloride	ND		110	500
4-Methyl-2-pentanone (MIBK)	ND		59	500
Styrene	ND		64	500
1,1,2,2-Tetrachloroethane	ND		93	500
Tetrachloroethene	ND		82	500
Toluene	6100		85	500
trans-1,2-Dichloroethene	ND		75	500
trans-1,3-Dichloropropene	ND		58	500
1,1,1-Trichloroethane	ND		100	500
1,1,2-Trichloroethane	ND		120	500
Trichloroethene	ND		80	500
Vinyl acetate	ND		86	500
Vinyl chloride	ND		130	500
Xylenes, Total	ND		200	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		62 - 123
Toluene-d8 (Surr)	113		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76319	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4070111.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2013 1444			Final Weight/Volume:	5 mL
Prep Date:	07/01/2013 1444				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
95-49-8	Benzene, 1-chloro-2-methyl-	12.29	3300	T J N
106-43-4	Benzene, 1-chloro-4-methyl-	12.42	1700	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063025.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 2149			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 2149				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	89		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	112		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063025.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 2149			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 2149				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063024.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 2123			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 2123				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		62 - 123
Toluene-d8 (Surr)	118		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063024.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 2123			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 2123				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **TB-9954-061813**

Lab Sample ID: 180-22338-4 Date Sampled: 06/18/2013 0000
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063005.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 1210			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 1210				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	20
Benzene	ND		0.99	5.0
Bromodichloromethane	ND		0.93	5.0
Bromoform	ND		1.1	5.0
Bromomethane	ND		1.6	5.0
2-Butanone (MEK)	ND		1.1	5.0
Carbon disulfide	ND		1.1	5.0
Carbon tetrachloride	ND		1.1	5.0
Chlorobenzene	ND		0.53	5.0
Chloroethane	ND		0.75	5.0
Chloroform	ND		1.0	5.0
Chloromethane	ND		1.4	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
Dibromochloromethane	ND		0.65	5.0
1,1-Dichloroethane	ND		1.0	5.0
1,2-Dichloroethane	ND		0.96	5.0
1,1-Dichloroethene	ND		1.1	5.0
1,2-Dichloropropane	ND		1.3	5.0
Ethylbenzene	ND		0.62	5.0
2-Hexanone	ND		0.57	5.0
Methylene Chloride	ND		1.1	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Styrene	ND		0.64	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Tetrachloroethene	ND		0.82	5.0
Toluene	ND		0.85	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Trichloroethene	ND		0.80	5.0
Vinyl acetate	ND		0.86	5.0
Vinyl chloride	ND		1.3	5.0
Xylenes, Total	ND		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	87		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	105		62 - 123
Toluene-d8 (Surr)	109		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **TB-9954-061813**

Lab Sample ID: 180-22338-4 Date Sampled: 06/18/2013 0000
Client Matrix: Water Date Received: 06/19/2013 0840

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-76246	Instrument ID:	HP4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	4063005.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2013 1210			Final Weight/Volume:	5 mL
Prep Date:	06/30/2013 1210				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627005.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0452			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND	E	5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	390	E	2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	26		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	23		0.72	9.5
2-Chloronaphthalene	210		0.14	1.9
2-Chlorophenol	28		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	45		0.71	9.5
1,3-Dichlorobenzene	5.2	J	0.71	9.5
1,4-Dichlorobenzene	130		0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	360		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627005.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0452			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	29		0.82	9.5
4-Methylphenol	89		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	92		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	69		0.68	9.5
2,4,5-Trichlorophenol	10		1.5	9.5
2,4,6-Trichlorophenol	12		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	52		35 - 108
2-Fluorophenol	53		26 - 100
Nitrobenzene-d5	66		37 - 104
Phenol-d5	59		30 - 102
Terphenyl-d14	43		25 - 130
2,4,6-Tribromophenol	85		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627005.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2013 0452			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
123-91-1	1,4-Dioxane	1.76	78	T J N
107-92-6	Butanoic acid	4.51	400	T J N
107-92-6	Butanoic acid	4.82	23	T J N
108-93-0	Cyclohexanol	5.15	100	T J N
95-49-8	Benzene, 1-chloro-2-methyl-	5.83	840	T J N
106-43-4	Benzene, 1-chloro-4-methyl-	5.89	510	T J N
17849-38-6	Benzenemethanol, 2-chloro-	7.78	17	T J N
118-91-2	Benzoic acid, 2-chloro-	8.52	280	T J N
937-14-4	3-Chloroperbenzoic acid	8.73	350	T J N
	Unknown	8.97	17	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76112	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0628010.D
Dilution:	100			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 0654	Run Type:	DL	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		14	190
Acenaphthylene	ND		14	190
Anthracene	ND		15	190
Benzo[a]anthracene	ND		14	190
Benzo[a]pyrene	ND		13	190
Benzo[b]fluoranthene	ND		15	190
Benzo[g,h,i]perylene	ND		14	190
Benzoic acid	16000		540	4800
Benzo[k]fluoranthene	ND		52	190
Benzyl alcohol	380	J	200	950
Bis(2-chloroethoxy)methane	ND		55	950
Bis(2-chloroethyl)ether	ND		24	190
Bis(2-ethylhexyl) phthalate	ND		1200	1900
4-Bromophenyl phenyl ether	ND		60	950
Butyl benzyl phthalate	ND		140	950
4-Chloroaniline	ND		84	950
4-Chloro-3-methylphenol	ND		72	950
2-Chloronaphthalene	ND		14	190
2-Chlorophenol	ND		160	950
4-Chlorophenyl phenyl ether	ND		48	950
Chrysene	ND		13	190
Dibenz(a,h)anthracene	ND		15	190
Dibenzofuran	ND		59	950
1,2-Dichlorobenzene	ND		71	950
1,3-Dichlorobenzene	ND		71	950
1,4-Dichlorobenzene	120	J	71	950
3,3'-Dichlorobenzidine	ND		110	950
2,4-Dichlorophenol	360		32	190
Diethyl phthalate	ND		140	950
2,4-Dimethylphenol	ND		81	950
Dimethyl phthalate	ND		73	950
Di-n-butyl phthalate	ND		120	950
4,6-Dinitro-2-methylphenol	ND		210	4800
2,4-Dinitrophenol	ND		580	4800
2,4-Dinitrotoluene	ND		51	950
2,6-Dinitrotoluene	ND		76	950
Di-n-octyl phthalate	ND		200	950
Fluoranthene	ND		15	190
Fluorene	ND		21	190
Hexachlorobenzene	ND		17	190
Hexachlorobutadiene	ND		16	190
Hexachlorocyclopentadiene	ND		49	950
Hexachloroethane	ND		60	950
Indeno[1,2,3-cd]pyrene	ND		19	190
Isophorone	ND		61	950
2-Methylnaphthalene	ND		12	190

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76112	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0628010.D
Dilution:	100			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 0654	Run Type:	DL	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		82	950
4-Methylphenol	99	J	86	950
Naphthalene	ND		13	190
2-Nitroaniline	ND		330	4800
3-Nitroaniline	ND		310	4800
4-Nitroaniline	ND		160	4800
Nitrobenzene	ND		80	1900
2-Nitrophenol	ND		160	950
4-Nitrophenol	ND		620	4800
N-Nitrosodi-n-propylamine	ND		29	190
N-Nitrosodiphenylamine	ND		81	950
2,2'-oxybis[1-chloropropane]	ND		19	190
Pentachlorophenol	ND		63	950
Phenanthrene	ND		41	190
Phenol	84	J	55	190
Pyrene	ND		15	190
1,2,4-Trichlorobenzene	ND		68	950
2,4,5-Trichlorophenol	ND		150	950
2,4,6-Trichlorophenol	ND		170	950

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	X D	35 - 108
2-Fluorophenol	0	X D	26 - 100
Nitrobenzene-d5	0	X D	37 - 104
Phenol-d5	0	X D	30 - 102
Terphenyl-d14	0	X D	25 - 130
2,4,6-Tribromophenol	0	X D	33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-76112	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0628010.D
Dilution:	100			Initial Weight/Volume:	1050 mL
Analysis Date:	06/28/2013 0654	Run Type:	DL	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
107-92-6	Butanoic acid	3.64	1800	T J N
108-90-7	Benzene, chloro-	4.60	1100	T J N
95-49-8	Benzene, 1-chloro-2-methyl-	5.82	7700	T J N
106-43-4	Benzene, 1-chloro-4-methyl-	5.89	3800	T J N
118-69-4	Benzene, 1,3-dichloro-2-methyl-	7.22	400	T J N
106-48-9	Parachlorophenol	7.61	6500	T J N
17849-38-6	Benzenemethanol, 2-chloro-	7.79	670	T J N
74-11-3	Benzoic acid, 4-chloro-	8.42	5000	T J N
	Unknown	8.45	690	T J
118-91-2	Benzoic acid, 2-chloro-	8.60	2100	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627006.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0519			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	22	J	5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	7.6	J	1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627006.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0519			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	64		26 - 100
Nitrobenzene-d5	65		37 - 104
Phenol-d5	67		30 - 102
Terphenyl-d14	70		25 - 130
2,4,6-Tribromophenol	64		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627006.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0519			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
95-49-8	Benzene, 1-chloro-2-methyl-	5.81	5.0	T J N
106-48-9	Parachlorophenol	7.57	5.6	T J N
105-60-2	Caprolactam	7.99	52	*

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0546			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.15	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.15	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.53	1.9
Benzyl alcohol	ND		2.1	9.6
Bis(2-chloroethoxy)methane	ND		0.56	9.6
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.61	9.6
Butyl benzyl phthalate	ND		1.4	9.6
4-Chloroaniline	ND		0.85	9.6
4-Chloro-3-methylphenol	ND		0.73	9.6
2-Chloronaphthalene	ND		0.15	1.9
2-Chlorophenol	ND		1.6	9.6
4-Chlorophenyl phenyl ether	ND		0.48	9.6
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.6
1,2-Dichlorobenzene	ND		0.72	9.6
1,3-Dichlorobenzene	ND		0.71	9.6
1,4-Dichlorobenzene	ND		0.72	9.6
3,3'-Dichlorobenzidine	ND		1.1	9.6
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.6
2,4-Dimethylphenol	ND		0.82	9.6
Dimethyl phthalate	ND		0.74	9.6
Di-n-butyl phthalate	ND		1.2	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.9	48
2,4-Dinitrotoluene	ND		0.52	9.6
2,6-Dinitrotoluene	ND		0.77	9.6
Di-n-octyl phthalate	ND		2.0	9.6
Fluoranthene	ND		0.16	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.18	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.50	9.6
Hexachloroethane	ND		0.60	9.6
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.62	9.6
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0546			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.83	9.6
4-Methylphenol	ND		0.87	9.6
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.4	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.7	48
Nitrobenzene	ND		0.81	19
2-Nitrophenol	ND		1.6	9.6
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.30	1.9
N-Nitrosodiphenylamine	ND		0.82	9.6
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.64	9.6
Phenanthrene	ND		0.41	1.9
Phenol	ND		0.56	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.6
2,4,5-Trichlorophenol	ND		1.5	9.6
2,4,6-Trichlorophenol	ND		1.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	53		35 - 108
2-Fluorophenol	69		26 - 100
Nitrobenzene-d5	67		37 - 104
Phenol-d5	71		30 - 102
Terphenyl-d14	38		25 - 130
2,4,6-Tribromophenol	59		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	180-75968	Instrument ID:	722
Prep Method:	3520C	Prep Batch:	180-75443	Lab File ID:	F0627007.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/27/2013 0546			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0800			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0925			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.16	p	0.032	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	5.9		0.038	0.048
4,4'-DDD	0.089	p	0.026	0.048
4,4'-DDE	0.053		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	5.2		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	0.053	p	0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	3.9		0.031	0.048
gamma-Chlordane	0.065		0.037	0.048
Heptachlor	0.15	p	0.038	0.048
Heptachlor epoxide	0.22	p	0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	200	X	45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0925			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	84		45 - 130
Tetrachloro-m-xylene	149	X	45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	10			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1103			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
alpha-BHC	20		0.25	0.48

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	10			Final Weight/Volume:	40.0 mL
Analysis Date:	06/25/2013 1103			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	96		45 - 130
DCB Decachlorobiphenyl (Surr)	95		45 - 130
Tetrachloro-m-xylene	145	X	45 - 130
Tetrachloro-m-xylene	208	X	45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0941			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	ND		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0941			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	83		45 - 130
Tetrachloro-m-xylene	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0957			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	0.056		0.025	0.048
alpha-Chlordane	ND		0.037	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.028	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.031	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.037	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	0.049		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.095
Toxaphene	ND		0.71	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-75708	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0957			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		45 - 130
Tetrachloro-m-xylene	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-045**

Lab Sample ID: 180-22338-1 Date Sampled: 06/18/2013 1020
Client Matrix: Water Date Received: 06/19/2013 0840

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0114			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	75		35 - 140
Tetrachloro-m-xylene	708	X	35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **WG-9954-061813-SG-046**

Lab Sample ID: 180-22338-2 Date Sampled: 06/18/2013 1110
Client Matrix: Water Date Received: 06/19/2013 0840

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0349			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.095	0.38
Aroclor 1221	ND		0.094	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.070	0.38
Aroclor 1248	ND		0.086	0.38
Aroclor 1254	ND		0.086	0.38
Aroclor 1260	ND		0.051	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	90		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-22338-1

Client Sample ID: **RB-9954-061813-SG-047**

Lab Sample ID: 180-22338-3 Date Sampled: 06/18/2013 1140
Client Matrix: Water Date Received: 06/19/2013 0840

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	180-76219	Instrument ID:	GC10
Prep Method:	3510C	Prep Batch:	180-75403	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/22/2013 0420			Injection Volume:	1 uL
Prep Date:	06/20/2013 1350			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	ND		0.096	0.38
Aroclor 1221	ND		0.095	0.38
Aroclor 1232	ND		0.11	0.38
Aroclor 1242	ND		0.071	0.38
Aroclor 1248	ND		0.087	0.38
Aroclor 1254	ND		0.087	0.38
Aroclor 1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	78		35 - 140
Tetrachloro-m-xylene	91		35 - 140

3.8, 4.0 #2

EVENT COMPLETI

180-22338 Chain of Custody

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
Glenn Springs Inc.	Report To: Susan Scrocchi
Love Canal	Copy To:
805 97th Street	
Niagara Falls, New York 14304	Invoice To:
Phone: 716/283-0111	PO:
Fax: 716/283-2856	Project Name: Love Canal Annual
Email: sscrocchi@craworld.com	Project Number: 9954

Lab Information
Laboratory: TEST AMERICA PITTSBURGH
Laboratory Location: 301 ALPHA DRIVE PITTSBURGH, PA 15238
Laboratory Contact: JILL COLUSSY
Requested Due Date: TAT: 10
QA/QC Requirements:

Event Information
ID#: LC ANNUAL GW SAMPLING-06-1
SSOW Ref#: 292-402-999-3100
Sampler Name: SHAWN GARDNER

Valid Matrix Code
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment

Sample Condition	
Temp in C	
Received on ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-061813-SG-045	WG	06/18/2013	10:20	2	2	3	
WG-9954-061813-SG-046	WG	06/18/2013	11:10	2	2	3	
RB-9954-061813-SG-047	WG Q	06/18/2013	11:40	2	2	3	
TB-9954-061813	WG Q	06/18/2013	00:00	-	-	3	
Total Bottles				6	6	12	Grand Total:24

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	6/18/13	1415	[illegible]	6-19-13	9:40
AIRBILL#:							