



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, NY 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
<http://www.craworld.com>

September 28, 2012

Reference No. 630970

Mr. David Szymanski
NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
270 Michigan Avenue
Buffalo, New York 14203-2999

Dear Mr. Szymanski:

Re: Annual Periodic Review
Former NL Industries Site No. C-915200

Conestoga-Rovers & Associates (CRA), on behalf of Norampac Industries, a division of Cascades, Inc., is submitting the attached Institutional and Engineering Controls Certification Form for the Former NL Industries Site (Site) in Depew, New York. In addition, the annual Periodic Review Report (PRR) is provided under separate cover. The report presents the results of the annual inspection conducted at the Site in September 2012 and the annual monitoring conducted in August 2012. The monitoring results demonstrate that groundwater conditions are stable since the monitoring program began in 2010 and that the remedial measures have been effective.

Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Yours truly,
CONESTOGA-ROVERS & ASSOCIATES

Katherine B. Galanti
Project Manager

KBG/ck/630970-Szymanski-001

Encl.

c.c.: L. Marineau (Cascades)
R. Adams (CRA)

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No. C915200

Site Details

Box 1

Site Name Former NL Industries Foundry

Site Address: 3241 Walden Avenue Zip Code: 14043
City/Town: Cheektowaga
County: Erie
Site Acreage: 7.5

Reporting Period: May 18, 2011 to August 31, 2012

- | | 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?
Commercial and Industrial | ☒ | ☐ |
| 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

		Box 2A
		YES NO
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐ ☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9.	Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒ ☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C915200		Box 3
Description of Institutional Controls		
<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
104.09-5-1	Norampac Industries Inc.	
		Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan

		Box 4
Description of Engineering Controls		
<u>Parcel</u>	<u>Engineering Control</u>	
104.09-5-1	Cover System Fencing/Access Control	
Engineering Control Details for Site No. C915200		
Parcel: 104.09-5-1 [For details- see Section 5 in the Site Management Plan, dated October 16, 2009] Environmental Easement is included in the FER in Appendix E. The Easement was recorded with the Erie County clerk on 12/1/2009.		
(i) Prohibition of groundwater use. (ii) Restrictions on property use. (iii) Maintenance of cover on the containment cell. (iv) Maintenance of asphalt cover over trucking yard, eastern parking lot, and railyard areas. (v) Maintenance of concrete cover in the building and apron areas.		

Periodic Review Report (PRR) Certification Statements

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

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. C915200

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 _____ at _____
print name print business address

am certifying as _____ (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer 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 ISE, 285 DELAWARE AVE
print name print business address BUFFALO NY 14202

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Robert G. Adams

064918
Stamp
(Required for PE)

9/26/12
Date



**CONESTOGA-ROVERS
& ASSOCIATES**

2012 PERIODIC REVIEW REPORT

**Former NL Industries Site
3241 Walden Avenue
Depew, New York**

**Prepared for:
Cascades, Inc.**

PREPARED BY:
CONESTOGA-ROVERS & ASSOCIATES
285 DELAWARE AVENUE, SUITE 500
BUFFALO, NEW YORK 14202

**SEPTEMBER 2012
REF. NO. 630970 (1)**

OFFICE: 716-856-2142
FAX: 716-856-2160
WEB: CRAWORLD.COM

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	1
2.0 ENGINEERING AND INSTITUTIONAL CONTROLS	3
2.1 ENGINEERING CONTROLS (ECS)	3
2.2 INSTITUTIONAL CONTROLS (ICS)	3
3.0 INSPECTIONS AND MAINTENANCE ACTIVITIES.....	5
3.1 ASPHALT ONLY COVER SYSTEM	5
3.1.1 TRUCKING YARD.....	5
3.1.2 PARKING LOT	6
3.1.3 FORMER RAIL SIDING	6
3.1.4 CORRECTIVE ACTION	6
3.2 BUILDING AND APRON CONCRETE COVER SYSTEM	6
3.3 GCL AND SOIL COVER SYSTEM.....	6
3.4 GCL AND ASPHALT COVER SYSTEM.....	7
3.5 RETENTION POND	7
3.6 FENCING	7
3.7 VEGETATIVE COVER	8
3.8 OTHER.....	8
4.0 GROUNDWATER MONITORING	9
4.1 MONITORING WELL INSPECTION	9
4.2 GROUNDWATER ELEVATION	9
4.3 GROUNDWATER SAMPLING	9
4.4 GROUNDWATER DATA EVALUATION	10
5.0 CONCLUSIONS AND RECOMMENDATIONS	11
6.0 CERTIFICATION	12

LIST OF FIGURES
(Following Text)

FIGURE 1.1	SITE LOCATION MAP
FIGURE 2.1	SITE LAYOUT
FIGURE 2.2	LOCATION OF ENGINEERING CONTROL SYSTEMS
FIGURE 4.1	MONITORING WELL LOCATIONS
FIGURE 4.2	GROUNDWATER CONTOUR MAP

LIST OF TABLES
(Following Text)

TABLE 4.1	MONITORING WELL MEASUREMENT SUMMARY
TABLE 4.2	SUMMARY OF HYDRAULIC MONITORING DATA
TABLE 4.3	SAMPLE COLLECTION AND ANALYSIS SUMMARY
TABLE 4.4	ANALYTICAL RESULTS SUMMARY

LIST OF APPENDICES

APPENDIX A	SITE INSPECTION FORM
APPENDIX B	PHOTOGRAPHS
APPENDIX C	GROUNDWATER MONITORING FIELD FORMS
APPENDIX D	ANALYTICAL DATA REPORT
APPENDIX E	DATA USABILITY SUMMARY REPORT

1.0 INTRODUCTION

The former NL Industries facility (Site) is located at 3241 Walden Avenue in Depew, New York (Figure 1.1). The property and facility are currently owned by Norampac Industries, Inc., a division of Cascades, Inc. (Cascades), and operated by Metro Waste Paper Recovery, Inc. Remediation of the Site was completed in 2008 under the oversight of the New York State Department of Environmental Conservation (NYSDEC) in accordance with Brownfield Cleanup Agreement (BCA) Index #B9-0554-98-12, Site #C-915200. A Site Management Plan (SMP) was developed upon completion of the remedial construction to ensure implementation and management of the institutional controls (ICs) and engineering controls (ECs) in place at the Site. This Periodic Review Report (PRR) is being prepared to certify that site management activities are being conducted in accordance with the SMP.

The final remedial alternative for the Site, as described in the SMP dated October 2009, included the following components:

- i) Excavation of impacted soils from the western section of the site and consolidation within a containment cell constructed within the central portion of the site.
- ii) Capping of the containment cell with imported clean fill, geo-synthetic clay liner (GCL), and soil/vegetative or asphalt cover.
- iii) Construction of a GCL and soil cover system on all non-paved areas of the containment cell (i.e., side slopes).
- iv) Construction of a GCL and asphalt cover system on all paved areas of the containment cell.
- v) Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to remaining impacted materials for the central and eastern portions of the Site.
- vi) Development and implementation of a SMP for long-term management of the ECs/ICs at the Site.

The SMP, designed to serve as a work plan for Site monitoring and maintenance, was prepared and approved by NYSDEC in December 2009.

This report presents the results of the groundwater monitoring event conducted in August 2012, the Site inspection conducted in September 2012, and recordkeeping conducted through August 2012. The report is organized as follows:

- Section 1 – Introduction: The background and brief remedial history of the Site.
- Section 2 – Engineering and Institutional Controls: The ECs/ICs for this site are described.
- Section 3 – Inspections and Maintenance Activities: Activities performed during the current reporting period and their results.
- Section 4 – Groundwater Monitoring: Discussion of groundwater monitoring data and analytical results generated from the current monitoring period.
- Section 5 – Conclusions and Recommendations: Conclusions and recommendations based upon the data and results of the current monitoring period.

2.0 ENGINEERING AND INSTITUTIONAL CONTROLS

Engineering controls are required to protect human health and the environment because impacted fill is still present below various structures at the Site. Figure 2.1 shows the Site layout, and Figure 2.2 shows the various EC systems in place at the Site.

2.1 ENGINEERING CONTROLS (ECs)

The purpose of the EC systems is to eliminate the potential for human contact with fill material, prevent percolation of precipitation through the impacted fill, and eliminate the potential for contaminated runoff from the site. The EC systems in place at the Site consist of the following:

- **Asphalt Only**: The trucking yard within the eastern section of the site was paved in 2004 and is covered by 4.5 inches of sub-base material and 6 inches of asphalt (4.5 inches binder coat and 1.5 inches top coat). The eastern parking lot was historically paved with asphalt for employee parking. In addition, the area identified as the “rail siding area” was paved with 6 inches of asphalt (4 inches binder coat and 2 inches top coat) in August 2008.
- **Building and Apron Concrete**: The concrete floor of the existing building and exterior concrete pads/aprons are believed to be a minimum of 6 inches in thickness.
- **GCL and Soil**: All non-paved areas (side slopes of the containment cell) of the containment cell are covered by approximately 12 inches of clean soil underlain by a GCL covering with a 6-inch sand layer between the GCL and impacted fill. All exposed environmentally clean soil/fill has been hydro seeded as an erosion control methodology.
- **GCL and Asphalt**: All paved areas of the central section containment cell are covered by 6 inches of asphalt (4 inches binder coat and 2 inches top coat) underlain by 12 inches of clean fill, followed by a GCL covering with a 6-inch sand layer between the GCL and the impacted fill.

2.2 INSTITUTIONAL CONTROLS (ICs)

The purpose of the ICs is to:

- i) Implement, maintain, and monitor the ECs.
- ii) Prevent future exposure to remaining on-Site contamination by controlling disturbance of the subsurface contamination.

- iii) Limit the use and development of portions of the site to industrial uses only.

The ICs that have been established for the Site must be:

- In compliance with the Environmental Easement and the SMP by the Grantor (currently Norampac, Inc.) and the Grantor's successors and assigns.
- Operated and maintained as specified in the SMP.
- Inspected at a frequency and in a manner defined in the SMP.

Data and information pertinent to management of the Site must be reported at the frequency and in a manner defined in the SMP.

Adherence to the ICs is required by the Environmental Easement. The ICs may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

In addition, the site has a series of ICs in the form of site restrictions as required by the Environmental Easement. Site restrictions that apply to the Site are:

- The central and eastern portions of the property may only be used for commercial/industrial purposes provided that the long-term ECs/ICs included in the SMP are employed.
- The central and eastern portions of the property may not be used for a higher level of use, such as unrestricted or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining impacted material must be conducted in accordance with the SMP.
- The Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP.
- The groundwater beneath the central and eastern sections of the property may not be used for potable or non-potable purposes.

3.0 INSPECTIONS AND MAINTENANCE ACTIVITIES

A comprehensive Site-wide inspection is required to be conducted annually in the spring, as specified in the SMP. The intent of the annual inspection is to determine whether:

- i) The ECs continue to perform as designed.
- ii) The ECs continue to be protective of human health and the environment.
- iii) The Site is operated and maintained in compliance with the SMP and Environmental Easement.
- iv) The remedial performance criteria have been achieved.
- v) Sampling and analysis of appropriate media were conducted.
- vi) Site records are complete and current.
- vii) Changes to the remedial systems or monitoring are needed.

The O&M activities were performed by CRA personnel in accordance with the requirements of the SMP.

The annual comprehensive site inspection was conducted on September 5, 2012. Mr. Tom Derkovitz, Site Manager for Cascades, escorted the CRA representative on the Site inspection. The following sections discuss the findings of the 2012 inspection. The completed Site Inspection Form is provided as Appendix A to this report.

3.1 ASPHALT ONLY COVER SYSTEM

The three areas of asphalt only cover consist of the Trucking Yard (west of the main building), Parking Lot (east of the main building), and Former Rail Siding (south of the main building) as shown on Figure 2.2. The areas of asphalt only cover were visually inspected for cracks and deterioration.

3.1.1 TRUCKING YARD

The asphalt surface in the trucking yard was free of cracks and deterioration and appeared in good condition. The test pit locations excavated in 2009 were repaved in 2011 and are in good condition. Photos of the pavement and test pit patches are provided in Appendix B.

3.1.2 PARKING LOT

The Parking Lot is free of cracks and deterioration. Photos of the pavement are provided in Appendix B.

3.1.3 FORMER RAIL SIDING

The Former Rail Siding is currently being used to stage approximately 200 plastic barrels for recycling. To the extent accessible, the asphalt cover on the Former Rail Siding was free of cracks and deterioration and appeared in good condition. Photos of the pavement are provided in Appendix B.

3.1.4 CORRECTIVE ACTION

No corrective action is necessary for the asphalt only cover system at this time.

3.2 BUILDING AND APRON CONCRETE COVER SYSTEM

The building floor slab and apron concrete were visually inspected for cracks and deterioration. The concrete surfaces were free of cracks and deterioration and appeared in good condition. Photos of the concrete are provided in Appendix B.

No corrective action is necessary for the building and apron concrete cover system at this time.

3.3 GCL AND SOIL COVER SYSTEM

The GCL and soil cover system was visually inspected as part of the annual comprehensive Site inspection. No areas of subsidence, erosion, or exposed GCL were observed. As noted below in Section 3.7, the vegetative cover had been mowed routinely prior to the annual inspection and the grass was approximately 1 to 2 inches in length. Photos of the GCL and soil cover are provided in Appendix B.

No corrective action is necessary for the GCL and soil cover system at this time.

3.4 GCL AND ASPHALT COVER SYSTEM

The GCL and asphalt cover system was visually inspected as part of the annual comprehensive Site inspection. No areas of subsidence or exposed GCL were observed. Minor surface indentations caused by tractor trailer supports were noted in the asphalt. The indentations were approximately 0.25 to 0.5 inch in depth, but do not affect the integrity of the cap. Photos of the GCL and asphalt cover are provided in Appendix B.

No corrective action is necessary for the GCL and asphalt cover system at this time.

3.5 RETENTION POND

The retention pond was inspected as part of the annual comprehensive Site inspection, in addition to monthly inspections by Mr. Derkovitz. At the time of the annual inspection, approximately 9 to 12 inches of standing water was present in the center of the pond, as the water level was below the invert of the outflow pipe. No debris was observed within the retention pond or the outlet pipe. No evidence of erosion was observed along the banks of the pond.

A gate was installed at the southeast corner of the pond fence enclosure in June 2011 to allow access for mowing and maintenance. The gate is locked to prevent unauthorized access. Photos of the retention pond are provided in Appendix B.

No corrective action is necessary for the retention pond at this time.

3.6 FENCING

The fencing was inspected as part of the annual comprehensive site inspection, in addition to semiannual inspections in spring and fall by Mr. Derkovitz. The fence and fence posts appeared in good condition with no holes in the fence or heaved support posts. The fence north of the Site along Walden Avenue was constructed with braided wire rather than a top support pole. At the time of the inspection, the wire provided sufficient support for the fence. Photos of the fencing are provided in Appendix B.

No corrective action is necessary for the fence at this time.

3.7 VEGETATIVE COVER

The vegetative cover was inspected as part of the annual comprehensive site inspection, as well as semiannually in spring and fall by Mr. Derkovitz. Grass is routinely cut on a monthly basis, weather permitting. Areas of distressed vegetation, invading species, or woody growth were not observed. Photos of the vegetative cover are provided in Appendix B.

No corrective action is necessary for the vegetative cover at this time.

3.8 OTHER

The grass area between the Site fence line and Walden Avenue is currently being reworked by the US Environmental Protection Agency as part of a larger, regional soil remediation project associated with the NL Industries Site. Cover material is being stripped away and disposed of. Underlying clean soils are then covered with a filter fabric, permeable paver material, soil, and seed mat. At the time of the Site inspection, the work was approximately 85 percent complete adjacent to the Site. This area and work is not part of the annual inspection and certification, but has been mentioned for informational purposes only.

4.0 GROUNDWATER MONITORING

4.1 MONITORING WELL INSPECTION

In accordance with the SMP, monitoring well inspections were conducted in conjunction with the groundwater monitoring event in August 2012. The locations of the groundwater monitoring wells are shown on Figure 4.1. The inspections of the monitoring wells included the condition of well caps, J-plugs, seals, protective pads, and visible portions of the well casings. Monitoring well conditions are noted on the Site Inspection Form presented in Appendix A.

In addition, the open depth of each monitoring well was measured (sounded) prior to purging the well for sampling. The sounded depths and installed screened intervals of each well are presented in Table 4.1. Comparison of these details shows that the screened intervals of all wells are open. The recharge during purging for sampling demonstrates that the presence of the small amounts of observed sediment does not interfere with the flow of groundwater through the wells or sand packs.

All wells were noted to be in good condition with no repairs required at this time.

4.2 GROUNDWATER ELEVATION

As part of the monitoring activities described in the SMP, each monitoring well was gauged before sampling using an electric water level meter. The depth to the top of the groundwater was measured prior to beginning the purging of monitoring wells for sampling. Water level measurements are included in the Groundwater Monitoring Field Forms presented in Appendix C and water level elevations are summarized in Table 4.2. A groundwater contour map is provided as Figure 4.2.

4.3 GROUNDWATER SAMPLING

Groundwater samples were collected using low flow techniques in accordance with the SMP. A sample collection and analysis summary is presented in Table 4.3. The purging parameters are provided on the Groundwater Monitoring Field Forms presented in Appendix C.

4.4 GROUNDWATER DATA EVALUATION

The groundwater analytical data generated during this reporting period are summarized in Table 4.4. The analytical data report is provided as Appendix D. A quality assurance/quality control (QA/QC) review of the analytical data has been conducted. The Data Usability Summary Report (DUSR) is presented in Appendix E.

Analytical results for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) were all either non-detect, or detected at estimated concentrations well below the New York State water quality criteria. Carbon disulfide was detected in MW-102 and the associated field duplicate sample at concentrations of 0.24 µg/L and 0.20 µg/L, respectively. The New York State water quality criteria (guidance value) for carbon disulfide is 60 µg/L.

Antimony was detected at monitoring wells MW-101 and MW-103 at concentrations of 5.3 µg/L and 4.8 µg/L, respectively. These concentrations exceed the New York State water quality criteria of 3 µg/L for antimony in potable groundwater. The detection is only slightly above the standard. In addition, magnesium and/or sodium were detected in the monitoring wells at concentrations above the New York State water quality criteria of 35,000 µg/L (guidance value) for magnesium (5 of 6 locations) and 20,000 µg/L (standard) for sodium (6 of 6 locations) in potable groundwater. Detections ranged from 66,000 µg/L to 100,000 µg/L for magnesium, and from 26,000 µg/L to 100,000 µg/L for sodium. Iron was detected at MW-102, MW-104, and MW-105 at concentrations above the standard of 300 µg/L. The elevated detections of iron ranged from 380 µg/L to 920 µg/L. Iron, magnesium, and sodium are common elements contained in soils and are also typically present in groundwater.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The annual inspection and monitoring activities performed during this reporting period found that:

- i) Monitoring wells at the Site are in good condition.
- ii) The asphalt only, building and apron concrete, GCL and soil, and GCL and asphalt cover systems are in good condition with no deficiencies noted.
- iii) The retention pond, perimeter fencing, and vegetative cover were maintained and in good condition.
- iv) The only VOC detected in Site groundwater was carbon disulfide at MW-102 and the corresponding field duplicate at estimated concentrations below the New York State water quality criteria.
- v) SVOCs were not present in Site groundwater.
- vi) Antimony was detected at concentrations of 5.3 µg/L at MW-101 and 4.8 µg/L at MW-103, which exceed the New York State water quality criteria of 3 µg/L for antimony in potable groundwater.
- vii) Iron was present in 3 of the 6 monitoring wells, magnesium was present in 5 of the 6 monitoring wells, and sodium was present at all of the Site monitoring wells at concentrations exceeding the New York State water quality criteria for these parameters. Iron, magnesium, and sodium are common elements contained in soils and are also typically present in groundwater.

Based on these observations, it is concluded that the remedial action continues to be effective. No deficiencies were noted and corrective action is not necessary at this time.

6.0 CERTIFICATION

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

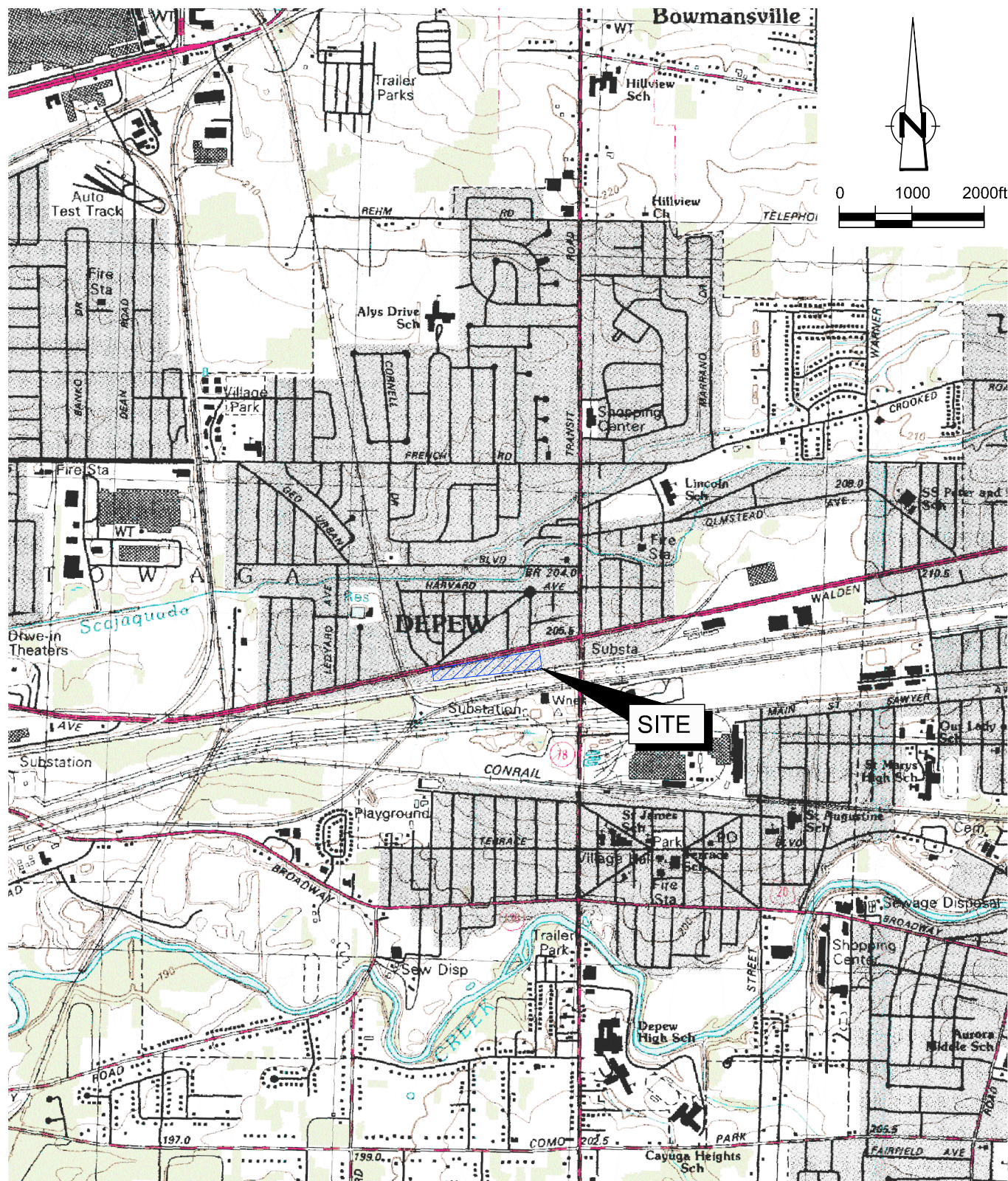
- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction.
- Except as indicated in this report, the institutional controls and/or engineering controls employed at this Site are unchanged from the date the control was put in place, or last approved by the Department.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with the SMP for this control.
- 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.
- Use of the Site is compliant with the environmental easement.
- The engineering control systems are performing as designed and are effective.
- 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.
- The information presented in this report is accurate and complete.

Robert G. Adams, P.E.
CRA Infrastructure & Engineering, Inc.
285 Delaware Avenue, Suite 500
Buffalo, New York



Signature: Robert G. Adams

FIGURES



SOURCE : USGS QUADRANGLE MAP:
LANCASTER, NEW YORK

figure 1.1

SITE LOCATION MAP
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New York



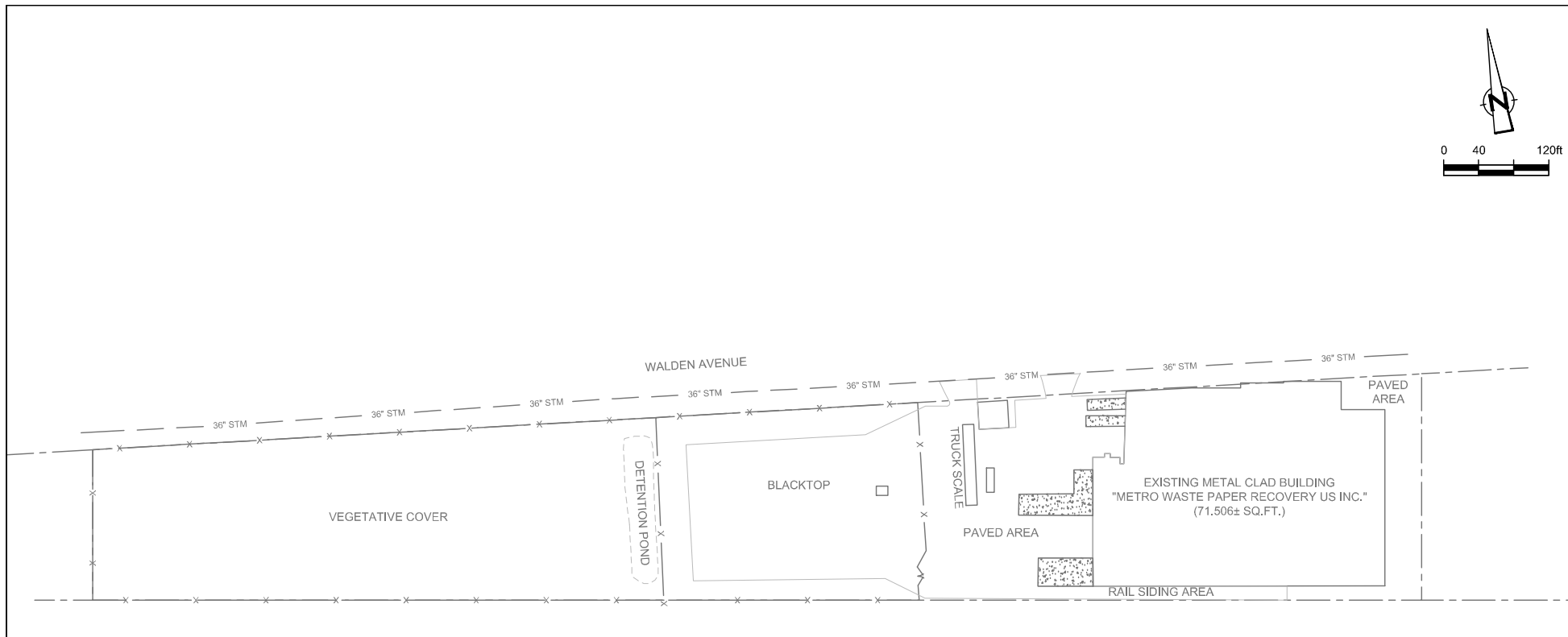


figure 2.1
 SITE LAYOUT
 FORMER N.L. INDUSTRIES SITE REMEDIATION
 3241 WALDEN AVENUE
 Depew, New York



SOURCE: DRAWING FILE (MWL-126254-01.dwg)
 FROM TIGHE & BOND
 (MIDDLETOWN, CONNECTICUT)



630970-00(001)GN-BU003 AUG 26/2011

figure 2.2
LOCATION OF ENGINEERING CONTROL SYSTEMS
FORMER N.L. INDUSTRIES SITE REMEDIATION
3241 WALDEN AVENUE
Depew, New York

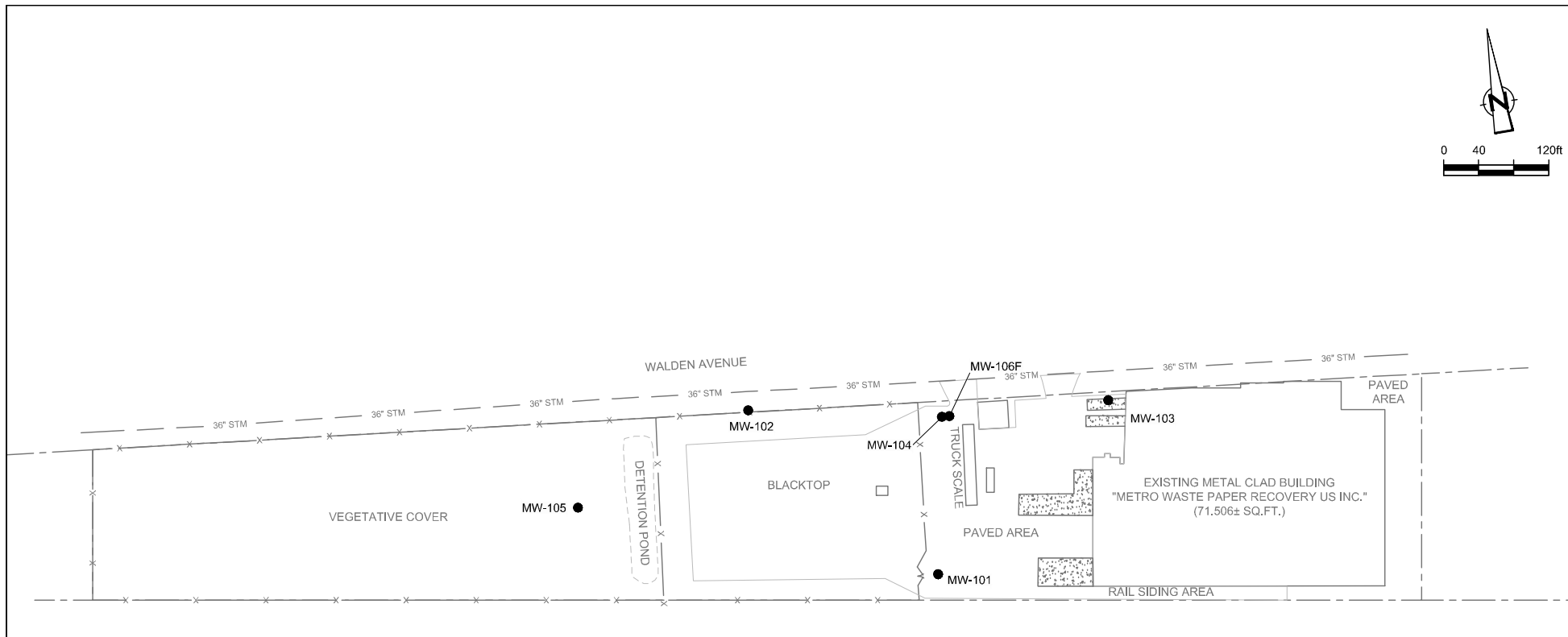


figure 4.1
 MONITORING WELL LOCATIONS
 FORMER N.L. INDUSTRIES SITE REMEDIATION
 3241 WALDEN AVENUE
 Depew, New York



SOURCE: DRAWING FILE (MWL-126254-01.dwg)
 FROM TIGHE & BOND
 (MIDDLETOWN, CONNECTICUT)



TABLES

TABLE 4.1

MONITORING WELL MEASUREMENT SUMMARY
 2012 ANNUAL PERIODIC REVIEW REPORT
 FORMER NL INDUSTRIES SITE
 NYSDEC SITE NO. C-915200
 DEPEW, NEW YORK

<i>Well</i>	<i>Sounded Depth (ft. BTOC)</i>	<i>Screened Interval (ft. BTOC)</i>	<i>Percent Screened Interval Open</i>
<u>Aug-12</u>			
MW-101	25.30	17.0 to 27.0	83
MW-102	24.65	15.1 to 25.1	96
MW-103	26.69	17.0 to 27.0	97
MW-104	26.04	17.0 to 27.0	90
MW-105	24.67	16.1 to 26.1	86
MW-106F	10.49	6.05 to 11.05	89

Notes:

BTOC Below Top of Casing

TABLE 4.2
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

<i>Well</i>	<i>Ground Elevation</i>	<i>Top of Casing Elevation</i>	<i>Water Level Elevations</i>		
			<i>4/2009</i>	<i>6/2010</i>	<i>8/2012</i>
MW-101	678.03	678.03	675.12	676.28	674.71
MW-102	675.56	676.67	672.21	673.66	672.56
MW-103	677.57	677.56	672.68	672.81	671.56
MW-104	677.06	677.06	671.44	671.78	670.88
MW-105	675.51	675.48	668.87	668.34	663.92
MW-106F	677.38	677.43	668.9	674.10	672.05

Notes:

Elevations are referenced to the NVGD datum.

NVGD = National Vertical Geodetic Datum.

TABLE 4.3
SAMPLE COLLECTION AND ANALYSIS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Collection Date (mm/dd/yy)</i>	<i>Collection Time (hr:min)</i>	<i><u>Analysis/Parameters</u></i>			<i>Comment</i>
				<i>TCL VOCs</i>	<i>TAL Metals</i>	<i>TCL SVOCs</i>	
WG-630970-083012-001	MW-103	8/30/12	10:20:00 AM	X	X	X	
WG-630970-083012-002	MW-101	8/30/12	11:55:00 AM	X	X	X	
WG-630970-083012-003	MW-102	8/30/12	1:20:00 PM	X	X	X	
WG-630970-083012-004	MW-102	8/30/12	2:00:00 PM	X	X	X	Field Duplicate of WG-630970-083012-003
WG-630970-083012-005	MW-104	8/30/12	10:10:00 AM	X	X	X	
WG-630970-083012-006	Equipment Blank	8/30/12	11:40:00 AM	X	X	X	Equipment Blank
WG-630970-083012-007	MW-106F	8/30/12	11:45:00 AM	X	X	X	
WG-630970-083012-008	MW-105	8/30/12	1:20:00 PM	X	X	X	
TB-630775-061110	Trip Blank	-	-	X			Trip Blank

Note:

- Not applicable.
TCL Target Compound List.
TAL Target Analyte List.
VOCs Volatile Organic Compounds.
SVOCs Semivolatile Organic Compounds.

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

				Location Name:	MW-101	MW-102	MW-102	MW-103	MW-104	MW-105	MW-106F
				Sample Name:	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
				Sample Date:	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
							Duplicate				
				New York State Water Quality							
				Standards	Guidance Values						
Parameters	a	b	Units								
Volatile Organic Compounds											
1,1,1-Trichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.04	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.0006	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	NC	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	NC	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	NC	NC	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	NC	50	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	NC	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	NC	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	60	ug/L	1.0 U	0.24 J	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	7	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Volatile Organic Compounds (Continued)											
Dibromochloromethane	NC	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	NC	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

				Location Name:	MW-101	MW-102	MW-102	MW-103	MW-104	MW-105	MW-106F
				Sample Name:	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
				Sample Date:	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
							Duplicate				
				New York State Water Quality							
				Standards	Guidance Values						
Parameters	a	b	Units								
Methyl tert butyl ether (MTBE)	NC	10	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	NC	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	5	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	NC	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	NC	NC	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Semi-Volatile Organic Compounds											
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether	5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
2,4,5-Trichlorophenol	NC	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
2,4,6-Trichlorophenol	NC	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
2,4-Dichlorophenol	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	NC	50	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dinitrophenol	NC	10	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
2,4-Dinitrotoluene	5	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
2,6-Dinitrotoluene	5	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
2-Chloronaphthalene	NC	10	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

	Location Name:			MW-101	MW-102	MW-102	MW-103	MW-104	MW-105	MW-106F
	Sample Name:			WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
	Sample Date:			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
						Duplicate				
	New York State Water Quality									
	Standards	Guidance Values								
Parameters	a	b	Units							
Semi-Volatile Organic Compounds (Continued)										
2-Chlorophenol	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
2-Methylnaphthalene	NC	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
2-Methylphenol	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
2-Nitroaniline	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Nitrophenol	NC	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
3&4-Methylphenol	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine	5	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
3-Nitroaniline	NC	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4,6-Dinitro-2-methylphenol	NC	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
4-Bromophenyl phenyl ether	NC	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chloro-3-methylphenol	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Chloroaniline	NC	NC	ug/L	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ
4-Chlorophenyl phenyl ether	NC	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitroaniline	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitrophenol	NC	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
Acenaphthene	NC	20	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Acenaphthylene	NC	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Acetophenone	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Anthracene	NC	50	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Atrazine	7.5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Benzaldehyde	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Benzo(a)anthracene	NC	0.002	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene	NC	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene	NC	0.002	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(g,h,i)perylene	NC	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene	NC	0.002	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Biphenyl (1,1-Biphenyl)	5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
bis(2-Chloroethoxy)methane	5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
bis(2-Chloroethyl)ether	1	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
bis(2-Ethylhexyl)phthalate (DEHP)	5	NC	ug/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Semi-Volatile Organic Compounds (Continued)										
Butyl benzylphthalate (BBP)	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Caprolactam	NC	NC	ug/L	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ
Carbazole	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Chrysene	NC	0.002	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Dibenz(a,h)anthracene	NC	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Dibenzofuran	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

	Location Name:			MW-101	MW-102	MW-102	MW-103	MW-104	MW-105	MW-106F
	Sample Name:			WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
	Sample Date:			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
						Duplicate				
	New York State Water Quality									
	Standards	Guidance Values								
Parameters	a	b	Units							
Diethyl phthalate	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Dimethyl phthalate	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Di-n-butylphthalate (DBP)	50	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Di-n-octyl phthalate (DnOP)	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Fluoranthene	NC	50	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Fluorene	NC	50	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Hexachlorobenzene	0.04	NC	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Hexachlorobutadiene	0.5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Hexachlorocyclopentadiene	5	NC	ug/L	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
Hexachloroethane	5	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Indeno(1,2,3-cd)pyrene	NC	0.002	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Isophorone	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Naphthalene	NC	10	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Nitrobenzene	0.4	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
N-Nitrosodi-n-propylamine	NC	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
N-Nitrosodiphenylamine	NC	50	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Pentachlorophenol	1	NC	ug/L	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
Phenanthrene	NC	50	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Phenol	1	NC	ug/L	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Pyrene	NC	50	ug/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK

				Location Name:	MW-101	MW-102	MW-102	MW-103	MW-104	MW-105	MW-106F
				Sample Name:	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
				Sample Date:	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
							Duplicate				
Parameters	New York State Water Quality										
	Standards	Guidance Values									
	a	b	Units								
Metals											
Aluminum	NC	NC	ug/L	120	52	45 J		31 J	50 U	50 U	43 J
Antimony	3	NC	ug/L	5.3	0.21 J	2.0 U		4.8	2.0 U	2.0 U	0.60 J
Arsenic	25	NC	ug/L	1.4 J	2.1 J	1.7 J		1.3 J	12	0.75 J	1.2 J
Barium	1000	NC	ug/L	100	70	69		140	40	180	200
Beryllium	NC	3	ug/L	1.0 U	0.27 J	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	5	NC	ug/L	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Calcium	NC	NC	ug/L	30000	76000	76000		89000	58000	34000	61000
Chromium	50	NC	ug/L	1.6 J	2.0 U	2.0 U		2.0 U	2.0 U	2.0 U	2.0 U
Cobalt	NC	NC	ug/L	0.19 J	1.3	1.2		0.59 J	0.12 J	0.14 J	0.17 J
Copper	200	NC	ug/L	30	2.0 U	2.0 U		18	2.0 U	2.0 U	2.8 U
Iron	300	NC	ug/L	110	400	380		120	550	920	70 J
Lead	25	NC	ug/L	21	0.87 J	0.74 J		7.8	1.0 U	1.0 U	2.4
Magnesium	NC	35000	ug/L	26000	100000	100000		66000	100000	77000	71000
Manganese	300	NC	ug/L	44	150	150		49	15	18	42
Mercury	0.7	NC	ug/L	0.20 U	0.20 U	0.20 U		0.20 U	0.14 J	0.12 J	0.20 U
Nickel	100	NC	ug/L	2.0 U	2.0 U	2.0 U		2.0 U	2.0 U	2.0 U	2.0 U
Potassium	NC	NC	ug/L	1700	2400	2400		3400	2100	4400	1300
Selenium	10	NC	ug/L	5.0 U	0.59 J	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U
Silver	50	NC	ug/L	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Sodium	20000	NC	ug/L	26000	62000	62000		99000	62000	57000	100000
Thallium	NC	0.5	ug/L	2.0 U	2.0 U	2.0 U		2.0 U	2.0 U	2.0 U	2.0 U
Vanadium	NC	NC	ug/L	1.4 J	20 U	20 U		20 U	20 U	20 U	0.66 J
Zinc	NC	2000	ug/L	23	20 U	20 U		80	20 U	20 U	20 U

**ANALYTICAL RESULTS SUMMARY
2012 ANNUAL PERIODIC REVIEW REPORT
FORMER NL INDUSTRIES SITE
NYSDEC SITE NO. C-915200
DEPEW, NEW YORK**

Notes:

All concentrations are expressed in units of micrograms per litre ($\mu\text{g/L}$), unless otherwise noted.

51 - Concentration was greater than applicable criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

-- - Not available.

NC - No criteria.

a - New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 703.5 New York State Water Quality Standards.

b - NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998).

APPENDIX A

SITE INSPECTION FORM

Site Inspection Form

Former N.L. Industries
3241 Walden Avenue
Depew, NY

Page 1 of 5

Name of Inspector: KATHERINE GALANTI
Date of Inspection: 9/5/12

The purpose of this inspection is to monitor the overall integrity of the containment cell, the site wide paving and the building foundation. Please take photographs from all four sides of the containment cell cap, as well as the asphalt pavement and building foundation to document the existing conditions of the consolidated soil area, erosion control technologies in place, and the immediate surrounding area each week. Please fill out the following inspection items. If at any time impacted fill material has been exposed, please notify the Project Manager listed in the SMP immediately.

Monitoring Well Network

Condition of Monitoring Wells

	Good	Fair	Needs Repair	Details
MW-101	☒	☐	☐	
MW-102	☒	☐	☐	
MW-103	☒	☐	☐	
MW-104	☒	☐	☐	
MW-105	☒	☐	☐	
MW-106	☒	☐	☐	
MW-99-01	☐	☐	☐	<u>N/A</u>

Asphalt Only Cover System

Are there any obvious areas of damage to the asphalt in the trucking yard?

YES ☐ NO ☒ If yes, please describe _____

Site Inspection Form

Former N.L. Industries
3241 Walden Avenue
Depew, NY

Page 2 of 5

Asphalt Only Cover System

Are there any obvious areas of damage to the asphalt in the parking lot?

YES ☐ NO ☒ If yes, please describe _____

Are there any obvious areas of damage to the asphalt in the former rail siding area?

YES ☐ NO ☒ If yes, please describe NOTE: ~ 200 PLASTIC
BARRELS STAGED IN AREA THEREBY LIMITING ACCESS.

Building and Apron Concrete Cover System

Are there any obvious areas of damage to the building's foundations?

YES ☐ NO ☒ If yes, please describe _____

Are there any obvious areas of damage to any concrete pads?

YES ☐ NO ☒ If yes, please describe _____

GCL and Soil Cover System

Are there any signs of soil run-off or erosion on the sides of the containment cell?

YES ☐ NO ☒ If yes, please describe _____

Site Inspection Form

Former N.L. Industries
3241 Walden Avenue
Depew, NY

Page 3 of 5

GCL and Soil Cover System

Are there any areas of exposed GCL?

YES ☐ NO ☒ If yes, please describe _____

Has the grass appeared to have been mowed at a regular basis during the previous growing season?

YES ☒ NO ☐ If yes, please describe AT THE TIME OF THE SITE VISIT,
THE GRASS WAS CUT SHORT (~ 1-2 INCHES).

Are there any woody types plants growing within the this Cover System?

YES ☐ NO ☒ If yes, please describe _____

GCL and Asphalt Cover System

Are there any obvious areas of damage to the asphalt within this cover system?

YES ☐ NO ☒ If yes, please describe _____

Are there any obvious signs of cracking within this cover system?

YES ☐ NO ☒ If yes, please describe _____

Site Inspection Form

Former N.L. Industries
3241 Walden Avenue
Depew, NY

Page 4 of 5

Pond

Is there standing water in the retention pond?

YES ☒ NO ☐ If yes, approximately how much? ~ 9-12 INCHES IN DEPTH
AT CENTER OF POND. WATER LEVEL ~ 6+ INCHES BELOW
INVERT OF OUTFALL.

Is there any debris within the retention pond?

YES ☐ NO ☒ If yes, please describe _____

Is the inlet and outlet of the retention pond free of debris?

YES ☒ NO ☐ If no, please describe _____

Is there any sign of erosion along the banks of the retention pond?

YES ☐ NO ☒ If yes, please describe _____

Vegetatives

Is there any sign of distress, disease or die off of the vegetatives associated with the cover systems?

YES ☐ NO ☒ If yes, please describe NOTE: VEGETATION IS DRY DUE
TO SUMMER DROUGHT CONDITIONS.

Site Inspection Form

Former N.L. Industries
3241 Walden Avenue
Depew, NY

Page 5 of 5

Fencing

Is there signs of damage to the fencing around the retention pond or within the area of the environmental easement?

YES ☐ NO ☒ If yes, describe location and extent of damage

Is there signs of frost heaving within the supports of the fencing?

YES ☐ NO ☒ If yes, please describe

Is the chain link still attached to support poles at all locations around the retention pond or within the area of the environmental easement?

YES ☒ NO ☐ If no, please describe

Is there any sign of erosion along the banks of the retention pond?

YES ☐ NO ☒ If yes, please describe

Please describe any changes to the overall area since the last inspection

SOIL COVER WORK BEING CONDUCTED BY USEPA CONTRACTOR
ON APRON BETWEEN SITE FENCE & WALDEN AVENUE. SURFACE
SOILS/VEGETATION SCRAPPED AWAY. AREA OVERLAIN WITH FILTER FABRIC,
PERMEABLE PAPER MATERIAL, SOIL, & SEED MAT. WORK DOES NOT
AFFECT SITE CERTIFICATION.

APPENDIX B

PHOTOGRAPHS



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 1 – Parking lot looking west along north side of office.



Photo 2 – Parking lot looking south.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 3 – Building Apron Concrete System looking west across MW-103.



Photo 4 – Building Apron Concrete System looking southeast.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 5 – Former Rail Siding looking east toward plastic barrel stockpile.



Photo 6 – Trucking Yard looking northeast.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 7 – Trucking Yard looking northwest.



Photo 8 – GCL and Asphalt Cover System looking south across east slope.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 9 – GCL and Soil Cover System looking east along north slope.



Photo 10 – GCL and Soil Cover System looking south along west slope.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 11 – GCL and Soil Cover System looking east along south slope.



Photo 12 – Access gate at southeast corner of retention pond enclosure.



Photo 13 – Retention pond looking northwest.

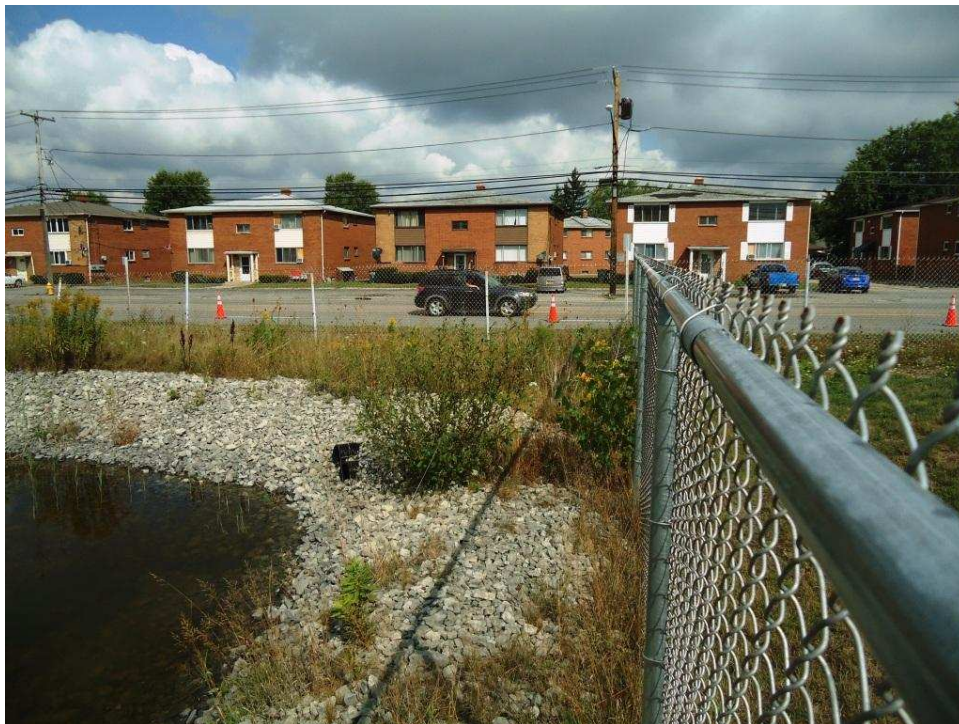


Photo 14 – Retention pond looking north. Outlet pipes in northeast corner of pond.



**CONESTOGA-ROVERS
& ASSOCIATES**

285 Delaware Avenue, Suite 500
Buffalo, New York 14202
Telephone: (716) 856-2142 Fax: (716) 856-2160
www.CRAworld.com



Photo 15 – GCL and Asphalt Cover System looking east across cap.



Photo 16 – GCL and Asphalt Cover System looking north across cap.



Photo 17 – Looking west from top of cap across retention pond and vegetative cover.



Photo 18 – Fence at northwest property boundary looking east-southeast. Soil cover work along Walden Avenue is in progress.

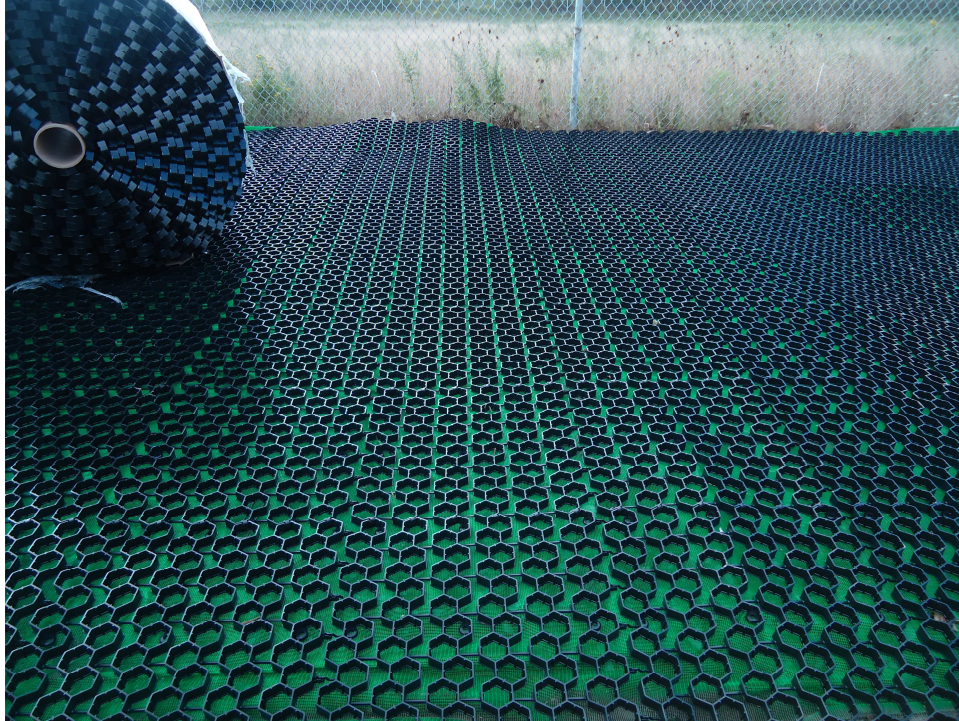


Photo 19 – Closeup of soil cover. Permeable paver material underlain by fabric. Clean soil and seed mat to be placed on top.



Photo 20 – Completed soil cover, looking west along Walden Avenue.

APPENDIX C

GROUNDWATER MONITORING FIELD FORMS

SAMPLE TIME 1155

Project Data:

Date: 8/30/12

Personnel:

DIT/SE

Monitoring Well Data:

Well No.: 101

Vapour PID (ppm):

Measurement Point: 678.03

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft): 652.73

Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in):

Well Screen Volume, V_s (L)⁽²⁾:

Initial Depth to Water (m/ft):

C-FC# 36399

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi r^2 (L) \ln \text{ mL}$, where $r = (D/2)$ and L are in cm. For Imperial units, $V_s = \pi r^2 (L) (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

INST CONTROL #S

MP 20 = 06187

W/L METER - 06203

TURBIDIMETER - 03040

START PURGE @ 1121

David Egan

SAMPLE TIME 1400

SAMPLE ID# WG-630970-083012-003

SAMPLE TIME 1320

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CASCADES
Ref. No.: 630970

Date:	8/30/12
Personnel:	

DJT/SG

Monitoring Well Data:

Well No.: 102

Vapour PID (ppm):

Measurement Point: 675.67

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft): 651.02

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in):

Well Screen Volume, V_s (L)⁽²⁾:

Initial Depth to Water (m/ft): 4.17

CoFC# 36399

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where $r = (D/2)$ and L are in For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

INST. CONTROL #3

MP204 06187

W/L METER-06203

TURBIDIMETER - 05040

START PURGE @ 1241

David J. Sie

SAMPLE TIME 1020

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CASCADES
Ref. No.: _____

Date: 8/30/12
Personnel: _____

DT/SG

Monitoring Well Data:

Well No.: 103

Vapour PID (ppm):

Measurement Point: 677.51

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft): 650.87

Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾:

Well Diameter, D (cm/in):

Well Screen Volume, V_s (L)⁽²⁾:

Initial Depth to Water (m/ft): 19.00

CONF # 36399

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where $r = (D/2)$ and L are in cm.
For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ± 0.005 mS/cm or where conductivity >1 mS/cm ± 0.01 mS/cm.

INST CONTROL #5

MP20#060187

W/L METER - 06203

TURBIDIMETER - 05040

START PURGE@ 0945

David Tyson

Time 1010

MONITORING WELL RECORD FOR LOW-FLOW PURGING

CofC # 36399

Project Data:

Project Name: Cascade Paper
Ref. No.: 630970

Date: 8/30/12
Personnel: _____

D57

Monitoring Well Data:

Well No.: Mw 104

Vapour PID (ppm):

Measurement Point: 677.06

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft): 631.02

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾: _____

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 6.18

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2) \cdot L$ in mL, where $r = (D/2)$ and L are in cm. For Imperial units, $V_s = \pi(r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm $\pm$ 0.005 mS/cm or where conductivity >1 mS/cm $\pm$ 0.01 mS/cm.

Inst. Control #5
W/L Meter NF06117
MP-20 06184
Turbidimeter 06192

Start Purge @ 0939

Doc Bryan

Time 1320

CofC # 36399

Date: 8/30/12
Personnel: DJT

Initial Depth to Water (m/ft): 11.56

[illegible]

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 L/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ± 0.005 mS/cm or where conductivity >1 mS/cm ± 0.01 mS/cm.

Inst. Control #'s
 Turbidimeter 06192
 W/K Meter NF06117
 MP-20 06184

Sample ID	WG-630970-083012-007
Time	1145

MONITORING WELL RECORD FOR LOW-FLOW PURGING

CofC# 36399

Project Data:

Project Name: Cascade Paper
Ref. No.: 630970

Date: 8-30-12
Personnel: DJT

Monitoring Well Data:

Well No.: MW 106 F

Vapour PID (ppm): _____

Measurement Point: 677.43

Constructed Well Depth (m/ft): _____

Measured Well Depth (m/ft): 666.94

Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)⁽¹⁾: _____

Well Diameter, D (cm/in): _____

Well Screen Volume, V_s (L)⁽²⁾: _____

Initial Depth to Water (m/ft): 5.38

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi r^2 (r^2)^d \cdot L$ in mL, where r ($r = D/2$) and L are in cm. For Imperial units, $V_s = \pi r^2 (r^2)^d \cdot L \cdot (2.54)^d$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ± 0.005 mS/cm or where conductivity >1 mS/cm ± 0.01 mS/cm.

Inst. Control #15

MP-20 06184
Turbidimeter 06192
W/L Meter NF 06117

Start Purge @ 1110

David J. Green

APPENDIX D

ANALYTICAL DATA REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-14709-1

Client Project/Site: 630970, NL Industries

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

9/11/2012 3:48:31 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1

Table of Contents 2

Definitions/Glossary 3

Case Narrative 4

Method Summary 6

Sample Summary 7

Detection Summary 8

Client Sample Results 13

Surrogate Summary 41

QC Sample Results 42

QC Association Summary 49

Lab Chronicle 51

Certification Summary 54

Chain of Custody 55

Receipt Checklists 58



Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Job ID: 240-14709-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 630970, NL Industries

Report Number: 240-14709-1

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.

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

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

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/31/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6° C and 1.1° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-630970-083012-001 (240-14709-1), WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5), EB-630970-083012-006 (240-14709-6), WG-630970-083012-007 (240-14709-7), WG-630970-083012-008 (240-14709-8) and TB-630970-083012 (240-14709-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/05/2012.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WG-630970-083012-001 (240-14709-1), WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5), EB-630970-083012-006 (240-14709-6),

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Job ID: 240-14709-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

WG-630970-083012-007 (240-14709-7) and WG-630970-083012-008 (240-14709-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/06/2012 and analyzed on 09/07/2012 and 09/10/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

The following sample contained one acid surrogate recovery below acceptance criteria: WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, further corrective action was not performed. These results have been reported and qualified.

The laboratory control sample (LCS) for batch 56969, associated with samples EB-630970-083012-006 (240-14709-6), WG-630970-083012-001 (240-14709-1), WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5), WG-630970-083012-007 (240-14709-7), WG-630970-083012-008 (240-14709-8), had recoveries below acceptance criteria for the following analytes: 4-Chloroaniline and Caprolactam. These analytes are not control analytes. No corrective action was initiated. Results are flagged accordingly.

No other difficulties were encountered during the SVOCs analyses.

All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples WG-630970-083012-001 (240-14709-1), WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5), EB-630970-083012-006 (240-14709-6), WG-630970-083012-007 (240-14709-7) and WG-630970-083012-008 (240-14709-8) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 09/04/2012 and analyzed on 09/05/2012 and 09/06/2012.

Several analytes were detected in method blank MB 240-56574/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples WG-630970-083012-001 (240-14709-1), WG-630970-083012-002 (240-14709-2), WG-630970-083012-003 (240-14709-3), WG-630970-083012-004 (240-14709-4), WG-630970-083012-005 (240-14709-5), EB-630970-083012-006 (240-14709-6), WG-630970-083012-007 (240-14709-7) and WG-630970-083012-008 (240-14709-8) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 09/04/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC

Protocol References:

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

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-14709-1	WG-630970-083012-001	Water	08/30/12 10:20	08/31/12 09:30
240-14709-2	WG-630970-083012-002	Water	08/30/12 11:55	08/31/12 09:30
240-14709-3	WG-630970-083012-003	Water	08/30/12 13:20	08/31/12 09:30
240-14709-4	WG-630970-083012-004	Water	08/30/12 14:00	08/31/12 09:30
240-14709-5	WG-630970-083012-005	Water	08/30/12 10:10	08/31/12 09:30
240-14709-6	EB-630970-083012-006	Water	08/30/12 10:40	08/31/12 09:30
240-14709-7	WG-630970-083012-007	Water	08/30/12 11:45	08/31/12 09:30
240-14709-8	WG-630970-083012-008	Water	08/30/12 13:20	08/31/12 09:30
240-14709-9	TB-630970-083012	Water	08/30/12 00:00	08/31/12 09:30

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-001

Lab Sample ID: 240-14709-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	31	J	50	19	ug/L	1		6020	Total Recoverable
Arsenic	1.3	J	5.0	0.40	ug/L	1		6020	Total Recoverable
Cobalt	0.59	J	1.0	0.058	ug/L	1		6020	Total Recoverable
Copper	18	B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	120	^	100	26	ug/L	1		6020	Total Recoverable
Manganese	49	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	1.7	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Lead	7.8		1.0	0.18	ug/L	1		6020	Total Recoverable
Antimony	4.8		2.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.16	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	80	B	20	2.3	ug/L	1		6020	Total Recoverable
Barium	140	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	89000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	3400	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	66000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	99000	B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-002

Lab Sample ID: 240-14709-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	120		50	19	ug/L	1		6020	Total Recoverable
Arsenic	1.4	J	5.0	0.40	ug/L	1		6020	Total Recoverable
Cobalt	0.19	J	1.0	0.058	ug/L	1		6020	Total Recoverable
Chromium	1.6	J	2.0	0.71	ug/L	1		6020	Total Recoverable
Copper	30	B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	110	^	100	26	ug/L	1		6020	Total Recoverable
Manganese	44	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	0.61	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Lead	21		1.0	0.18	ug/L	1		6020	Total Recoverable
Antimony	5.3		2.0	0.13	ug/L	1		6020	Total Recoverable
Vanadium	1.4	J	20	0.44	ug/L	1		6020	Total Recoverable
Zinc	23	B	20	2.3	ug/L	1		6020	Total Recoverable

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-002 (Continued)

Lab Sample ID: 240-14709-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	100	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	30000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	1700	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	26000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	26000	B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-003

Lab Sample ID: 240-14709-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.24	J	1.0	0.13	ug/L	1		8260B	Total/NA
Aluminum	52		50	19	ug/L	1		6020	Total Recoverable
Arsenic	2.1	J	5.0	0.40	ug/L	1		6020	Total Recoverable
Beryllium	0.27	J	1.0	0.20	ug/L	1		6020	Total Recoverable
Cobalt	1.3		1.0	0.058	ug/L	1		6020	Total Recoverable
Copper	1.3	J B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	400	^	100	26	ug/L	1		6020	Total Recoverable
Manganese	150	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	1.4	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Lead	0.87	J	1.0	0.18	ug/L	1		6020	Total Recoverable
Antimony	0.21	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Selenium	0.59	J	5.0	0.57	ug/L	1		6020	Total Recoverable
Thallium	0.69	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	6.0	J B	20	2.3	ug/L	1		6020	Total Recoverable
Barium	70	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	76000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	2400	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	100000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	62000	B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-004

Lab Sample ID: 240-14709-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.20	J	1.0	0.13	ug/L	1		8260B	Total/NA
Aluminum	45	J	50	19	ug/L	1		6020	Total Recoverable
Arsenic	1.7	J	5.0	0.40	ug/L	1		6020	Total Recoverable

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-004 (Continued)

Lab Sample ID: 240-14709-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.2		1.0	0.058	ug/L	1		6020	Total Recoverable
Copper	1.1	J B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	380	^	100	26	ug/L	1		6020	Total Recoverable
Manganese	150	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	0.60	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Lead	0.74	J	1.0	0.18	ug/L	1		6020	Total Recoverable
Thallium	0.32	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	4.8	J B	20	2.3	ug/L	1		6020	Total Recoverable
Barium	69	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	76000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	2400	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	100000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	62000	B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-005

Lab Sample ID: 240-14709-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		5.0	0.40	ug/L	1		6020	Total Recoverable
Cobalt	0.12	J	1.0	0.058	ug/L	1		6020	Total Recoverable
Copper	1.0	J B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	550	^	100	26	ug/L	1		6020	Total Recoverable
Manganese	15	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	0.61	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Thallium	0.23	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	2.9	J B	20	2.3	ug/L	1		6020	Total Recoverable
Barium	40	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	58000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	2100	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	100000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	62000	B	1000	6.9	ug/L	1		6020	Total Recoverable
Mercury	0.14	J	0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: EB-630970-083012-006

Lab Sample ID: 240-14709-6

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: EB-630970-083012-006 (Continued)

Lab Sample ID: 240-14709-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	1.1	ug/L	1		8260B	Total/NA
Chloroform	0.68	J	1.0	0.16	ug/L	1		8260B	Total/NA
Manganese	1.0	J ^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	0.36	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Thallium	0.18	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Zinc	3.3	J B	20	2.3	ug/L	1		6020	Total Recoverable
Calcium	92	J B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	35	J B	1000	8.3	ug/L	1		6020	Total Recoverable
Sodium	56	J B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-007

Lab Sample ID: 240-14709-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	43	J	50	19	ug/L	1		6020	Total Recoverable
Arsenic	1.2	J	5.0	0.40	ug/L	1		6020	Total Recoverable
Cobalt	0.17	J	1.0	0.058	ug/L	1		6020	Total Recoverable
Copper	2.8	B	2.0	0.29	ug/L	1		6020	Total Recoverable
Iron	70	J ^	100	26	ug/L	1		6020	Total Recoverable
Manganese	42	^	5.0	0.83	ug/L	1		6020	Total Recoverable
Nickel	0.61	J	2.0	0.20	ug/L	1		6020	Total Recoverable
Lead	2.4		1.0	0.18	ug/L	1		6020	Total Recoverable
Antimony	0.60	J	2.0	0.13	ug/L	1		6020	Total Recoverable
Thallium	0.16	J B	2.0	0.14	ug/L	1		6020	Total Recoverable
Vanadium	0.66	J	20	0.44	ug/L	1		6020	Total Recoverable
Zinc	8.0	J B	20	2.3	ug/L	1		6020	Total Recoverable
Barium	200	B	5.0	0.19	ug/L	1		6020	Total Recoverable
Calcium	61000	B	1000	22	ug/L	1		6020	Total Recoverable
Potassium	1300	B	1000	8.3	ug/L	1		6020	Total Recoverable
Magnesium	71000	B	1000	17	ug/L	1		6020	Total Recoverable
Sodium	100000	B	1000	6.9	ug/L	1		6020	Total Recoverable

Client Sample ID: WG-630970-083012-008

Lab Sample ID: 240-14709-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.75	J	5.0	0.40	ug/L	1		6020	Total Recoverable

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-008 (Continued)

Lab Sample ID: 240-14709-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.14	J	1.0	0.058	ug/L	1		6020	Total
Iron	920		100	26	ug/L	1		6020	Recoverable
Manganese	18		5.0	0.83	ug/L	1		6020	Total
Nickel	0.42	J	2.0	0.20	ug/L	1		6020	Recoverable
Zinc	7.8	J B	20	2.3	ug/L	1		6020	Total
Barium	180	B	5.0	0.19	ug/L	1		6020	Recoverable
Calcium	34000	B	1000	22	ug/L	1		6020	Total
Potassium	4400	B	1000	8.3	ug/L	1		6020	Recoverable
Magnesium	77000	B	1000	17	ug/L	1		6020	Total
Sodium	57000	B	1000	6.9	ug/L	1		6020	Recoverable
Mercury	0.12	J	0.20	0.12	ug/L	1		7470A	Total
									NA

Client Sample ID: TB-630970-083012

Lab Sample ID: 240-14709-9

No Detections

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 19:26	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 19:26	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 19:26	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 19:26	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 19:26	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 19:26	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 19:26	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 19:26	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 19:26	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 19:26	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 19:26	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 19:26	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 19:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 19:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 19:26	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 19:26	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 19:26	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 19:26	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 19:26	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 19:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 19:26	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 19:26	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 19:26	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 19:26	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 19:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 19:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 19:26	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 19:26	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 19:26	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 19:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 19:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 19:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 19:26	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 19:26	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 19:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 19:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 19:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 19:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 19:26	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 19:26	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		63 - 129		09/05/12 19:26	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		66 - 117		09/05/12 19:26	1
Toluene-d8 (Surr)	82		74 - 115		09/05/12 19:26	1
Dibromofluoromethane (Surr)	105		75 - 121		09/05/12 19:26	1

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 19:49	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 19:49	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 19:49	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 19:49	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 19:49	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 19:49	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 19:49	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 19:49	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 19:49	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 19:49	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 19:49	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 19:49	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 19:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 19:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 19:49	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 19:49	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 19:49	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 19:49	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 19:49	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 19:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 19:49	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 19:49	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 19:49	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 19:49	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 19:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 19:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 19:49	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 19:49	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 19:49	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 19:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 19:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 19:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 19:49	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 19:49	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 19:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 19:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 19:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 19:49	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 19:49	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/05/12 19:49	1
4-Bromofluorobenzene (Surr)	80		66 - 117		09/05/12 19:49	1
Toluene-d8 (Surr)	83		74 - 115		09/05/12 19:49	1
Dibromofluoromethane (Surr)	106		75 - 121		09/05/12 19:49	1

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 20:11	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:11	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 20:11	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 20:11	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 20:11	1
Carbon disulfide	0.24	J	1.0	0.13	ug/L			09/05/12 20:11	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:11	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 20:11	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 20:11	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 20:11	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:11	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:11	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:11	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 20:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 20:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 20:11	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 20:11	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 20:11	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 20:11	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 20:11	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 20:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:11	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 20:11	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:11	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 20:11	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 20:11	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 20:11	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 20:11	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 20:11	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 20:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 20:11	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:11	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 20:11	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 20:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 20:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 20:11	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:11	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		63 - 129		09/05/12 20:11	1
4-Bromofluorobenzene (Surr)	78		66 - 117		09/05/12 20:11	1
Toluene-d8 (Surr)	82		74 - 115		09/05/12 20:11	1
Dibromofluoromethane (Surr)	105		75 - 121		09/05/12 20:11	1

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 20:33	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:33	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 20:33	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 20:33	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 20:33	1
Carbon disulfide	0.20	J	1.0	0.13	ug/L			09/05/12 20:33	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:33	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 20:33	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 20:33	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 20:33	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:33	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:33	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:33	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 20:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 20:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 20:33	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 20:33	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 20:33	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 20:33	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 20:33	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 20:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:33	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 20:33	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 20:33	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 20:33	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 20:33	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 20:33	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 20:33	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 20:33	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 20:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:33	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 20:33	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 20:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 20:33	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 20:33	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:33	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		09/05/12 20:33	1
4-Bromofluorobenzene (Surr)	82		66 - 117		09/05/12 20:33	1
Toluene-d8 (Surr)	85		74 - 115		09/05/12 20:33	1
Dibromofluoromethane (Surr)	111		75 - 121		09/05/12 20:33	1

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 20:56	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:56	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 20:56	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 20:56	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 20:56	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:56	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 20:56	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 20:56	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 20:56	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 20:56	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:56	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:56	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 20:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 20:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 20:56	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 20:56	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 20:56	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 20:56	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 20:56	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 20:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:56	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 20:56	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:56	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 20:56	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 20:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 20:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 20:56	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 20:56	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 20:56	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 20:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 20:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 20:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 20:56	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 20:56	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 20:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 20:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 20:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 20:56	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 20:56	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		63 - 129					09/05/12 20:56	1
4-Bromofluorobenzene (Surr)	79		66 - 117					09/05/12 20:56	1
Toluene-d8 (Surr)	80		74 - 115					09/05/12 20:56	1
Dibromofluoromethane (Surr)	105		75 - 121					09/05/12 20:56	1

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.5	J	10	1.1	ug/L			09/05/12 21:18	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 21:18	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 21:18	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 21:18	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 21:18	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 21:18	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 21:18	1
Chloroform	0.68	J	1.0	0.16	ug/L			09/05/12 21:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 21:18	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 21:18	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 21:18	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 21:18	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 21:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 21:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 21:18	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 21:18	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 21:18	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 21:18	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 21:18	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 21:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 21:18	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 21:18	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 21:18	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 21:18	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 21:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 21:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 21:18	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 21:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 21:18	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 21:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 21:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 21:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 21:18	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 21:18	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 21:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 21:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 21:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 21:18	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 21:18	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		63 - 129		09/05/12 21:18	1
4-Bromofluorobenzene (Surr)	77		66 - 117		09/05/12 21:18	1
Toluene-d8 (Surr)	82		74 - 115		09/05/12 21:18	1
Dibromofluoromethane (Surr)	107		75 - 121		09/05/12 21:18	1

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 21:40	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 21:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 21:40	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 21:40	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 21:40	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 21:40	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 21:40	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 21:40	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 21:40	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 21:40	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 21:40	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 21:40	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 21:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 21:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 21:40	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 21:40	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 21:40	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 21:40	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 21:40	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 21:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 21:40	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 21:40	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 21:40	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 21:40	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 21:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 21:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 21:40	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 21:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 21:40	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 21:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 21:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 21:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 21:40	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 21:40	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 21:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 21:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 21:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 21:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 21:40	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 21:40	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		63 - 129		09/05/12 21:40	1
4-Bromofluorobenzene (Surr)	85		66 - 117		09/05/12 21:40	1
Toluene-d8 (Surr)	87		74 - 115		09/05/12 21:40	1
Dibromofluoromethane (Surr)	116		75 - 121		09/05/12 21:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 22:03	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 22:03	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 22:03	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 22:03	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 22:03	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 22:03	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 22:03	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 22:03	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 22:03	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 22:03	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 22:03	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 22:03	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 22:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 22:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 22:03	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 22:03	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 22:03	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 22:03	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 22:03	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 22:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 22:03	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 22:03	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 22:03	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 22:03	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 22:03	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 22:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 22:03	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 22:03	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 22:03	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 22:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 22:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 22:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 22:03	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 22:03	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 22:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 22:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 22:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 22:03	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 22:03	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		09/05/12 22:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		66 - 117		09/05/12 22:03	1
Toluene-d8 (Surr)	88		74 - 115		09/05/12 22:03	1
Dibromofluoromethane (Surr)	115		75 - 121		09/05/12 22:03	1

Client Sample ID: TB-630970-083012

Date Collected: 08/30/12 00:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-9

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 22:25	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 22:25	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 22:25	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 22:25	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 22:25	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 22:25	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 22:25	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 22:25	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 22:25	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 22:25	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 22:25	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 22:25	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 22:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 22:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 22:25	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 22:25	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 22:25	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 22:25	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 22:25	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 22:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 22:25	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 22:25	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 22:25	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 22:25	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 22:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 22:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 22:25	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 22:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 22:25	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 22:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 22:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 22:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 22:25	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 22:25	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 22:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 22:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 22:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-630970-083012

Lab Sample ID: 240-14709-9

Date Collected: 08/30/12 00:00

Matrix: Water

Date Received: 08/31/12 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 22:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 22:25	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 22:25	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		63 - 129		09/05/12 22:25	1
4-Bromofluorobenzene (Surr)	79		66 - 117		09/05/12 22:25	1
Toluene-d8 (Surr)	81		74 - 115		09/05/12 22:25	1
Dibromofluoromethane (Surr)	105		75 - 121		09/05/12 22:25	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 11:21	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 11:21	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 11:21	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 11:21	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:21	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 11:21	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 11:21	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 11:21	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 11:21	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 11:21	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 11:21	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 11:21	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 11:21	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 11:21	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:21	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 11:21	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:21	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 11:21	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:21	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		20 - 110	09/06/12 12:33	09/07/12 11:21	1
2-Fluorophenol (Surr)	42		10 - 110	09/06/12 12:33	09/07/12 11:21	1
2,4,6-Tribromophenol (Surr)	75		21 - 110	09/06/12 12:33	09/07/12 11:21	1
Nitrobenzene-d5 (Surr)	68		21 - 110	09/06/12 12:33	09/07/12 11:21	1
Phenol-d5 (Surr)	25		21 - 110	09/06/12 12:33	09/07/12 11:21	1
Terphenyl-d14 (Surr)	75		24 - 110	09/06/12 12:33	09/07/12 11:21	1

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 11:40	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 11:40	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 11:40	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 11:40	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 11:40	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 11:40	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 11:40	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 11:40	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 11:40	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 11:40	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 11:40	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 11:40	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 11:40	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 11:40	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 11:40	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 11:40	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 11:40	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 11:40	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	75		20 - 110	09/06/12 12:33	09/07/12 11:40	1
2-Fluorophenol (Surr)	36		10 - 110	09/06/12 12:33	09/07/12 11:40	1
2,4,6-Tribromophenol (Surr)	83		21 - 110	09/06/12 12:33	09/07/12 11:40	1
Nitrobenzene-d5 (Surr)	74		21 - 110	09/06/12 12:33	09/07/12 11:40	1
Phenol-d5 (Surr)	20	X	21 - 110	09/06/12 12:33	09/07/12 11:40	1
Terphenyl-d14 (Surr)	67		24 - 110	09/06/12 12:33	09/07/12 11:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 12:00	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:00	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 12:00	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:00	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:00	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:00	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:00	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 12:00	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:00	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:00	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 12:00	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:00	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:00	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 12:00	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:00	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:00	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:00	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:00	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:00	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		20 - 110	09/06/12 12:33	09/07/12 12:00	1
2-Fluorophenol (Surr)	35		10 - 110	09/06/12 12:33	09/07/12 12:00	1
2,4,6-Tribromophenol (Surr)	79		21 - 110	09/06/12 12:33	09/07/12 12:00	1
Nitrobenzene-d5 (Surr)	69		21 - 110	09/06/12 12:33	09/07/12 12:00	1
Phenol-d5 (Surr)	19	X	21 - 110	09/06/12 12:33	09/07/12 12:00	1
Terphenyl-d14 (Surr)	57		24 - 110	09/06/12 12:33	09/07/12 12:00	1

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 12:19	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:19	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 12:19	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:19	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:19	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:19	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 12:19	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:19	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:19	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 12:19	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:19	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:19	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 12:19	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:19	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:19	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:19	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:19	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:19	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		20 - 110				09/06/12 12:33	09/07/12 12:19	1
2-Fluorophenol (Surr)	32		10 - 110				09/06/12 12:33	09/07/12 12:19	1
2,4,6-Tribromophenol (Surr)	73		21 - 110				09/06/12 12:33	09/07/12 12:19	1
Nitrobenzene-d5 (Surr)	63		21 - 110				09/06/12 12:33	09/07/12 12:19	1
Phenol-d5 (Surr)	18	X	21 - 110				09/06/12 12:33	09/07/12 12:19	1
Terphenyl-d14 (Surr)	62		24 - 110				09/06/12 12:33	09/07/12 12:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 12:39	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:39	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 12:39	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:39	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:39	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:39	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:39	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 12:39	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:39	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:39	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 12:39	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:39	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:39	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 12:39	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:39	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:39	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:39	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:39	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:39	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		20 - 110	09/06/12 12:33	09/07/12 12:39	1
2-Fluorophenol (Surr)	34		10 - 110	09/06/12 12:33	09/07/12 12:39	1
2,4,6-Tribromophenol (Surr)	70		21 - 110	09/06/12 12:33	09/07/12 12:39	1
Nitrobenzene-d5 (Surr)	54		21 - 110	09/06/12 12:33	09/07/12 12:39	1
Phenol-d5 (Surr)	20	X	21 - 110	09/06/12 12:33	09/07/12 12:39	1
Terphenyl-d14 (Surr)	58		24 - 110	09/06/12 12:33	09/07/12 12:39	1

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 12:58	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:58	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 12:58	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 12:58	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:58	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:58	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 12:58	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:58	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 12:58	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 12:58	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:58	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 12:58	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 12:58	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 12:58	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 12:58	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 12:58	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 12:58	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 12:58	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		20 - 110				09/06/12 12:33	09/07/12 12:58	1
2-Fluorophenol (Surr)	41		10 - 110				09/06/12 12:33	09/07/12 12:58	1
2,4,6-Tribromophenol (Surr)	74		21 - 110				09/06/12 12:33	09/07/12 12:58	1
Nitrobenzene-d5 (Surr)	69		21 - 110				09/06/12 12:33	09/07/12 12:58	1
Phenol-d5 (Surr)	24		21 - 110				09/06/12 12:33	09/07/12 12:58	1
Terphenyl-d14 (Surr)	77		24 - 110				09/06/12 12:33	09/07/12 12:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/07/12 13:18	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 13:18	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/07/12 13:18	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/07/12 13:18	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 13:18	1
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 13:18	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 13:18	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/07/12 13:18	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 13:18	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/07/12 13:18	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/07/12 13:18	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 13:18	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/07/12 13:18	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/07/12 13:18	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/07/12 13:18	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/07/12 13:18	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/07/12 13:18	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/07/12 13:18	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/07/12 13:18	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/07/12 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		20 - 110	09/06/12 12:33	09/07/12 13:18	1
2-Fluorophenol (Surr)	37		10 - 110	09/06/12 12:33	09/07/12 13:18	1
2,4,6-Tribromophenol (Surr)	80		21 - 110	09/06/12 12:33	09/07/12 13:18	1
Nitrobenzene-d5 (Surr)	67		21 - 110	09/06/12 12:33	09/07/12 13:18	1
Phenol-d5 (Surr)	21		21 - 110	09/06/12 12:33	09/07/12 13:18	1
Terphenyl-d14 (Surr)	60		24 - 110	09/06/12 12:33	09/07/12 13:18	1

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
bis (2-chloroisopropyl) ether	0.95	U	0.95	0.38	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4,5-Trichlorophenol	4.8	U	4.8	0.29	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4,6-Trichlorophenol	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4-Dichlorophenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4-Dimethylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4-Dinitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,4-Dinitrotoluene	4.8	U	4.8	0.26	ug/L		09/06/12 12:33	09/10/12 17:10	1
2,6-Dinitrotoluene	4.8	U	4.8	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Chlorophenol	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Methylphenol	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
2-Nitrophenol	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/10/12 17:10	1
3,3'-Dichlorobenzidine	4.8	U	4.8	0.35	ug/L		09/06/12 12:33	09/10/12 17:10	1
3-Nitroaniline	1.9	U	1.9	0.27	ug/L		09/06/12 12:33	09/10/12 17:10	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Bromophenyl phenyl ether	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Chloro-3-methylphenol	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Chloroaniline	1.9	U *	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Chlorophenyl phenyl ether	1.9	U	1.9	0.29	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Nitroaniline	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
4-Nitrophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/10/12 17:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Acetophenone	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/10/12 17:10	1
Anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Atrazine	0.95	U	0.95	0.32	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzaldehyde	0.95	U	0.95	0.37	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/10/12 17:10	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Butyl benzyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Caprolactam	4.8	U *	4.8	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Carbazole	0.95	U	0.95	0.27	ug/L		09/06/12 12:33	09/10/12 17:10	1
Chrysene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Diethyl phthalate	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/10/12 17:10	1
Dimethyl phthalate	0.95	U	0.95	0.28	ug/L		09/06/12 12:33	09/10/12 17:10	1
Di-n-butyl phthalate	0.95	U	0.95	0.64	ug/L		09/06/12 12:33	09/10/12 17:10	1
Di-n-octyl phthalate	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Fluorene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Hexachlorobenzene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Hexachlorobutadiene	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/10/12 17:10	1
Hexachlorocyclopentadiene	9.5	U	9.5	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Hexachloroethane	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Isophorone	0.95	U	0.95	0.26	ug/L		09/06/12 12:33	09/10/12 17:10	1
Naphthalene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Nitrobenzene	0.95	U	0.95	0.038	ug/L		09/06/12 12:33	09/10/12 17:10	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.76	ug/L		09/06/12 12:33	09/10/12 17:10	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.30	ug/L		09/06/12 12:33	09/10/12 17:10	1
Pentachlorophenol	4.8	U	4.8	2.3	ug/L		09/06/12 12:33	09/10/12 17:10	1
Phenol	0.95	U	0.95	0.57	ug/L		09/06/12 12:33	09/10/12 17:10	1
Phenanthrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
Pyrene	0.19	U	0.19	0.095	ug/L		09/06/12 12:33	09/10/12 17:10	1
3 & 4 Methylphenol	1.9	U	1.9	0.71	ug/L		09/06/12 12:33	09/10/12 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		20 - 110	09/06/12 12:33	09/10/12 17:10	1
2-Fluorophenol (Surr)	40		10 - 110	09/06/12 12:33	09/10/12 17:10	1
2,4,6-Tribromophenol (Surr)	84		21 - 110	09/06/12 12:33	09/10/12 17:10	1
Nitrobenzene-d5 (Surr)	63		21 - 110	09/06/12 12:33	09/10/12 17:10	1
Phenol-d5 (Surr)	25		21 - 110	09/06/12 12:33	09/10/12 17:10	1
Terphenyl-d14 (Surr)	73		24 - 110	09/06/12 12:33	09/10/12 17:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 12:43	1
Aluminum	31	J	50	19	ug/L		09/04/12 09:54	09/05/12 12:43	1
Arsenic	1.3	J	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 12:43	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:43	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:43	1
Cobalt	0.59	J	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 12:43	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 12:43	1
Copper	18	B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 12:43	1
Iron	120	^	100	26	ug/L		09/04/12 09:54	09/05/12 12:43	1
Manganese	49	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 12:43	1
Nickel	1.7	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:43	1
Lead	7.8		1.0	0.18	ug/L		09/04/12 09:54	09/05/12 12:43	1
Antimony	4.8		2.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:43	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 12:43	1
Thallium	0.16	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 12:43	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 12:43	1
Zinc	80	B	20	2.3	ug/L		09/04/12 09:54	09/05/12 12:43	1
Barium	140	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 12:43	1
Calcium	89000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 12:43	1
Potassium	3400	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 12:43	1
Magnesium	66000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 12:43	1
Sodium	99000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 12:43	1

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 12:49	1
Aluminum	120		50	19	ug/L		09/04/12 09:54	09/05/12 12:49	1
Arsenic	1.4	J	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 12:49	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:49	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:49	1
Cobalt	0.19	J	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 12:49	1
Chromium	1.6	J	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 12:49	1
Copper	30	B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 12:49	1
Iron	110	^	100	26	ug/L		09/04/12 09:54	09/05/12 12:49	1
Manganese	44	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 12:49	1
Nickel	0.61	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:49	1
Lead	21		1.0	0.18	ug/L		09/04/12 09:54	09/05/12 12:49	1
Antimony	5.3		2.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:49	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 12:49	1
Thallium	2.0	U	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 12:49	1
Vanadium	1.4	J	20	0.44	ug/L		09/04/12 09:54	09/05/12 12:49	1
Zinc	23	B	20	2.3	ug/L		09/04/12 09:54	09/05/12 12:49	1
Barium	100	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 12:49	1
Calcium	30000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 12:49	1
Potassium	1700	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 12:49	1
Magnesium	26000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 12:49	1
Sodium	26000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 12:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 12:59	1
Aluminum	52		50	19	ug/L		09/04/12 09:54	09/05/12 12:59	1
Arsenic	2.1	J	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 12:59	1
Beryllium	0.27	J	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:59	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:59	1
Cobalt	1.3		1.0	0.058	ug/L		09/04/12 09:54	09/05/12 12:59	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 12:59	1
Copper	1.3	J B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 12:59	1
Iron	400	^	100	26	ug/L		09/04/12 09:54	09/05/12 12:59	1
Manganese	150	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 12:59	1
Nickel	1.4	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 12:59	1
Lead	0.87	J	1.0	0.18	ug/L		09/04/12 09:54	09/05/12 12:59	1
Antimony	0.21	J	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 12:59	1
Selenium	0.59	J	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 12:59	1
Thallium	0.69	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 12:59	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 12:59	1
Zinc	6.0	J B	20	2.3	ug/L		09/04/12 09:54	09/05/12 12:59	1
Barium	70	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 12:59	1
Calcium	76000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 12:59	1
Potassium	2400	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 12:59	1
Magnesium	100000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 12:59	1
Sodium	62000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 12:59	1

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 13:05	1
Aluminum	45	J	50	19	ug/L		09/04/12 09:54	09/05/12 13:05	1
Arsenic	1.7	J	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 13:05	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:05	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:05	1
Cobalt	1.2		1.0	0.058	ug/L		09/04/12 09:54	09/05/12 13:05	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 13:05	1
Copper	1.1	J B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 13:05	1
Iron	380	^	100	26	ug/L		09/04/12 09:54	09/05/12 13:05	1
Manganese	150	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 13:05	1
Nickel	0.60	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:05	1
Lead	0.74	J	1.0	0.18	ug/L		09/04/12 09:54	09/05/12 13:05	1
Antimony	2.0	U	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:05	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 13:05	1
Thallium	0.32	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 13:05	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 13:05	1
Zinc	4.8	J B	20	2.3	ug/L		09/04/12 09:54	09/05/12 13:05	1
Barium	69	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 13:05	1
Calcium	76000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 13:05	1
Potassium	2400	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 13:05	1
Magnesium	100000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 13:05	1
Sodium	62000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 13:05	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 13:11	1
Aluminum	50	U	50	19	ug/L		09/04/12 09:54	09/05/12 13:11	1
Arsenic	12		5.0	0.40	ug/L		09/04/12 09:54	09/05/12 13:11	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:11	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:11	1
Cobalt	0.12	J	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 13:11	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 13:11	1
Copper	1.0	J B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 13:11	1
Iron	550	^	100	26	ug/L		09/04/12 09:54	09/05/12 13:11	1
Manganese	15	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 13:11	1
Nickel	0.61	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:11	1
Lead	1.0	U	1.0	0.18	ug/L		09/04/12 09:54	09/05/12 13:11	1
Antimony	2.0	U	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:11	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 13:11	1
Thallium	0.23	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 13:11	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 13:11	1
Zinc	2.9	J B	20	2.3	ug/L		09/04/12 09:54	09/05/12 13:11	1
Barium	40	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 13:11	1
Calcium	58000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 13:11	1
Potassium	2100	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 13:11	1
Magnesium	100000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 13:11	1
Sodium	62000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 13:11	1

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 13:17	1
Aluminum	50	U	50	19	ug/L		09/04/12 09:54	09/05/12 13:17	1
Arsenic	5.0	U	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 13:17	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:17	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:17	1
Cobalt	1.0	U	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 13:17	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 13:17	1
Copper	2.0	U	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 13:17	1
Iron	100	U ^	100	26	ug/L		09/04/12 09:54	09/05/12 13:17	1
Manganese	1.0	J ^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 13:17	1
Nickel	0.36	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:17	1
Lead	1.0	U	1.0	0.18	ug/L		09/04/12 09:54	09/05/12 13:17	1
Antimony	2.0	U	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:17	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 13:17	1
Thallium	0.18	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 13:17	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 13:17	1
Zinc	3.3	J B	20	2.3	ug/L		09/04/12 09:54	09/05/12 13:17	1
Barium	5.0	U	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 13:17	1
Calcium	92	J B	1000	22	ug/L		09/04/12 09:54	09/05/12 13:17	1
Potassium	35	J B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 13:17	1
Magnesium	1000	U	1000	17	ug/L		09/04/12 09:54	09/05/12 13:17	1
Sodium	56	J B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 13:17	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 13:22	1
Aluminum	43	J	50	19	ug/L		09/04/12 09:54	09/05/12 13:22	1
Arsenic	1.2	J	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 13:22	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:22	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:22	1
Cobalt	0.17	J	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 13:22	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 13:22	1
Copper	2.8	B	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 13:22	1
Iron	70	J ^	100	26	ug/L		09/04/12 09:54	09/05/12 13:22	1
Manganese	42	^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 13:22	1
Nickel	0.61	J	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 13:22	1
Lead	2.4		1.0	0.18	ug/L		09/04/12 09:54	09/05/12 13:22	1
Antimony	0.60	J	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 13:22	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 13:22	1
Thallium	0.16	J B	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 13:22	1
Vanadium	0.66	J	20	0.44	ug/L		09/04/12 09:54	09/05/12 13:22	1
Zinc	8.0	J B	20	2.3	ug/L		09/04/12 09:54	09/05/12 13:22	1
Barium	200	B	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 13:22	1
Calcium	61000	B	1000	22	ug/L		09/04/12 09:54	09/05/12 13:22	1
Potassium	1300	B	1000	8.3	ug/L		09/04/12 09:54	09/05/12 13:22	1
Magnesium	71000	B	1000	17	ug/L		09/04/12 09:54	09/05/12 13:22	1
Sodium	100000	B	1000	6.9	ug/L		09/04/12 09:54	09/05/12 13:22	1

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/06/12 13:04	1
Aluminum	50	U	50	19	ug/L		09/04/12 09:54	09/06/12 13:04	1
Arsenic	0.75	J	5.0	0.40	ug/L		09/04/12 09:54	09/06/12 13:04	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/06/12 13:04	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/06/12 13:04	1
Cobalt	0.14	J	1.0	0.058	ug/L		09/04/12 09:54	09/06/12 13:04	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/06/12 13:04	1
Copper	2.0	U	2.0	0.29	ug/L		09/04/12 09:54	09/06/12 13:04	1
Iron	920		100	26	ug/L		09/04/12 09:54	09/06/12 13:04	1
Manganese	18		5.0	0.83	ug/L		09/04/12 09:54	09/06/12 13:04	1
Nickel	0.42	J	2.0	0.20	ug/L		09/04/12 09:54	09/06/12 13:04	1
Lead	1.0	U	1.0	0.18	ug/L		09/04/12 09:54	09/06/12 13:04	1
Antimony	2.0	U	2.0	0.13	ug/L		09/04/12 09:54	09/06/12 13:04	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/06/12 13:04	1
Thallium	2.0	U	2.0	0.14	ug/L		09/04/12 09:54	09/06/12 13:04	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/06/12 13:04	1
Zinc	7.8	J B	20	2.3	ug/L		09/04/12 09:54	09/06/12 13:04	1
Barium	180	B	5.0	0.19	ug/L		09/04/12 09:54	09/06/12 13:04	1
Calcium	34000	B	1000	22	ug/L		09/04/12 09:54	09/06/12 13:04	1
Potassium	4400	B	1000	8.3	ug/L		09/04/12 09:54	09/06/12 13:04	1
Magnesium	77000	B	1000	17	ug/L		09/04/12 09:54	09/06/12 13:04	1
Sodium	57000	B	1000	6.9	ug/L		09/04/12 09:54	09/06/12 13:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: WG-630970-083012-001

Date Collected: 08/30/12 10:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:16	1

Client Sample ID: WG-630970-083012-002

Date Collected: 08/30/12 11:55

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:17	1

Client Sample ID: WG-630970-083012-003

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:18	1

Client Sample ID: WG-630970-083012-004

Date Collected: 08/30/12 14:00

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:20	1

Client Sample ID: WG-630970-083012-005

Date Collected: 08/30/12 10:10

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14	J	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:22	1

Client Sample ID: EB-630970-083012-006

Date Collected: 08/30/12 10:40

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:23	1

Client Sample ID: WG-630970-083012-007

Date Collected: 08/30/12 11:45

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-7

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:25	1

Client Sample ID: WG-630970-083012-008

Date Collected: 08/30/12 13:20

Date Received: 08/31/12 09:30

Lab Sample ID: 240-14709-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	J	0.20	0.12	ug/L	—	09/04/12 13:35	09/04/12 18:29	1

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-129)	BFB (66-117)	TOL (74-115)	DBFM (75-121)
240-14709-1	WG-630970-083012-001	90	80	82	105
240-14709-2	WG-630970-083012-002	92	80	83	106
240-14709-3	WG-630970-083012-003	93	78	82	105
240-14709-4	WG-630970-083012-004	95	82	85	111
240-14709-5	WG-630970-083012-005	91	79	80	105
240-14709-6	EB-630970-083012-006	92	77	82	107
240-14709-7	WG-630970-083012-007	100	85	87	116
240-14709-8	WG-630970-083012-008	101	86	88	115
240-14709-9	TB-630970-083012	91	79	81	105
LCS 240-56762/4	Lab Control Sample	91	95	90	109
MB 240-56762/5	Method Blank	98	88	89	111

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (20-110)	2FP (10-110)	TBP (21-110)	NBZ (21-110)	PHL (21-110)	TPH (24-110)
240-14709-1	WG-630970-083012-001	72	42	75	68	25	75
240-14709-2	WG-630970-083012-002	75	36	83	74	20 X	67
240-14709-3	WG-630970-083012-003	72	35	79	69	19 X	57
240-14709-4	WG-630970-083012-004	63	32	73	63	18 X	62
240-14709-5	WG-630970-083012-005	57	34	70	54	20 X	58
240-14709-6	EB-630970-083012-006	69	41	74	69	24	77
240-14709-7	WG-630970-083012-007	68	37	80	67	21	60
240-14709-8	WG-630970-083012-008	64	40	84	63	25	73
LCS 240-56969/13-A	Lab Control Sample	67	58	73	66	41	80
MB 240-56969/12-A	Method Blank	50	51	48	49	38	73

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-56762/5

Matrix: Water

Analysis Batch: 56762

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	1.1	ug/L			09/05/12 12:43	1
Benzene	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Dichlorobromomethane	1.0	U	1.0	0.15	ug/L			09/05/12 12:43	1
Bromoform	1.0	U	1.0	0.64	ug/L			09/05/12 12:43	1
Bromomethane	1.0	U	1.0	0.41	ug/L			09/05/12 12:43	1
2-Butanone (MEK)	10	U	10	0.57	ug/L			09/05/12 12:43	1
Carbon disulfide	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Carbon tetrachloride	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 12:43	1
Chloroethane	1.0	U	1.0	0.29	ug/L			09/05/12 12:43	1
Chloroform	1.0	U	1.0	0.16	ug/L			09/05/12 12:43	1
Chloromethane	1.0	U	1.0	0.30	ug/L			09/05/12 12:43	1
1,1-Dichloroethane	1.0	U	1.0	0.15	ug/L			09/05/12 12:43	1
1,2-Dichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 12:43	1
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 12:43	1
1,2-Dichloropropane	1.0	U	1.0	0.18	ug/L			09/05/12 12:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.14	ug/L			09/05/12 12:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.19	ug/L			09/05/12 12:43	1
Ethylbenzene	1.0	U	1.0	0.17	ug/L			09/05/12 12:43	1
2-Hexanone	10	U	10	0.41	ug/L			09/05/12 12:43	1
Methylene Chloride	1.0	U	1.0	0.33	ug/L			09/05/12 12:43	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.32	ug/L			09/05/12 12:43	1
Styrene	1.0	U	1.0	0.11	ug/L			09/05/12 12:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			09/05/12 12:43	1
Tetrachloroethene	1.0	U	1.0	0.29	ug/L			09/05/12 12:43	1
Toluene	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Trichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 12:43	1
Vinyl chloride	1.0	U	1.0	0.22	ug/L			09/05/12 12:43	1
Xylenes, Total	2.0	U	2.0	0.28	ug/L			09/05/12 12:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ug/L			09/05/12 12:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.27	ug/L			09/05/12 12:43	1
Cyclohexane	1.0	U	1.0	0.12	ug/L			09/05/12 12:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.67	ug/L			09/05/12 12:43	1
Ethylene Dibromide	1.0	U	1.0	0.24	ug/L			09/05/12 12:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			09/05/12 12:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.17	ug/L			09/05/12 12:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			09/05/12 12:43	1
Isopropylbenzene	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Methyl acetate	10	U	10	0.38	ug/L			09/05/12 12:43	1
Methyl tert-butyl ether	5.0	U	5.0	0.17	ug/L			09/05/12 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.28	ug/L			09/05/12 12:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.15	ug/L			09/05/12 12:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.14	ug/L			09/05/12 12:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1
Trichlorofluoromethane	1.0	U	1.0	0.21	ug/L			09/05/12 12:43	1
Chlorodibromomethane	1.0	U	1.0	0.18	ug/L			09/05/12 12:43	1
Methylcyclohexane	1.0	U	1.0	0.13	ug/L			09/05/12 12:43	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-56762/5

Matrix: Water

Analysis Batch: 56762

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		63 - 129		09/05/12 12:43	1
4-Bromofluorobenzene (Surr)	88		66 - 117		09/05/12 12:43	1
Toluene-d8 (Surr)	89		74 - 115		09/05/12 12:43	1
Dibromofluoromethane (Surr)	111		75 - 121		09/05/12 12:43	1

Lab Sample ID: LCS 240-56762/4

Matrix: Water

Analysis Batch: 56762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.6		ug/L		83	43 - 136
Benzene	10.0	9.95		ug/L		99	83 - 112
Dichlorobromomethane	10.0	10.2		ug/L		102	72 - 121
Bromoform	10.0	8.26		ug/L		83	40 - 131
Bromomethane	10.0	9.14		ug/L		91	11 - 185
2-Butanone (MEK)	20.0	13.9		ug/L		69	60 - 126
Carbon disulfide	10.0	9.54		ug/L		95	62 - 142
Carbon tetrachloride	10.0	11.6		ug/L		116	66 - 128
Chlorobenzene	10.0	9.47		ug/L		95	85 - 110
Chloroethane	10.0	4.49		ug/L		45	25 - 153
Chloroform	10.0	10.2		ug/L		102	79 - 117
Chloromethane	10.0	6.76		ug/L		68	44 - 126
1,1-Dichloroethane	10.0	9.55		ug/L		96	82 - 115
1,2-Dichloroethane	10.0	9.68		ug/L		97	71 - 127
1,1-Dichloroethene	10.0	11.1		ug/L		111	78 - 131
1,2-Dichloropropane	10.0	9.12		ug/L		91	81 - 115
cis-1,3-Dichloropropene	10.0	8.10		ug/L		81	61 - 115
trans-1,3-Dichloropropene	10.0	7.15		ug/L		71	58 - 117
Ethylbenzene	10.0	9.43		ug/L		94	83 - 112
2-Hexanone	20.0	12.7		ug/L		64	55 - 133
Methylene Chloride	10.0	9.32		ug/L		93	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	14.0		ug/L		70	63 - 128
Styrene	10.0	9.68		ug/L		97	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.32		ug/L		83	68 - 118
Tetrachloroethene	10.0	10.1		ug/L		101	79 - 114
Toluene	10.0	9.02		ug/L		90	84 - 111
Trichloroethene	10.0	11.1		ug/L		111	76 - 117
Vinyl chloride	10.0	7.96		ug/L		80	53 - 127
Xylenes, Total	30.0	28.6		ug/L		95	83 - 112
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	74 - 118
1,1,2-Trichloroethane	10.0	9.81		ug/L		98	80 - 112
Cyclohexane	10.0	8.67		ug/L		87	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.91		ug/L		79	42 - 136
Ethylene Dibromide	10.0	9.53		ug/L		95	79 - 113
Dichlorodifluoromethane	10.0	7.30		ug/L		73	19 - 129
cis-1,2-Dichloroethene	10.0	10.5		ug/L		105	80 - 113
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	83 - 117
Isopropylbenzene	10.0	9.24		ug/L		92	75 - 114
Methyl acetate	10.0	7.88	J	ug/L		79	58 - 131

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-56762/4

Matrix: Water

Analysis Batch: 56762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	8.76		ug/L		88	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	13.5		ug/L		135	74 - 151
1,2,4-Trichlorobenzene	10.0	8.00		ug/L		80	48 - 135
1,2-Dichlorobenzene	10.0	9.08		ug/L		91	81 - 110
1,3-Dichlorobenzene	10.0	9.32		ug/L		93	80 - 110
1,4-Dichlorobenzene	10.0	9.27		ug/L		93	82 - 110
Trichlorofluoromethane	10.0	11.8		ug/L		118	49 - 157
Methylcyclohexane	10.0	10.3		ug/L		103	56 - 127
m-Xylene & p-Xylene	20.0	19.2		ug/L		96	83 - 113
o-Xylene	10.0	9.37		ug/L		94	83 - 113

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		63 - 129
4-Bromofluorobenzene (Surr)	95		66 - 117
Toluene-d8 (Surr)	90		74 - 115
Dibromofluoromethane (Surr)	109		75 - 121

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-56969/12-A

Matrix: Water

Analysis Batch: 57042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
bis (2-chloroisopropyl) ether	1.0	U	1.0	0.40	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.30	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4-Dichlorophenol	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4-Dimethylphenol	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4-Dinitrophenol	5.0	U	5.0	2.4	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,4-Dinitrotoluene	5.0	U	5.0	0.27	ug/L		09/06/12 12:33	09/07/12 08:25	1
2,6-Dinitrotoluene	5.0	U	5.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Chlorophenol	1.0	U	1.0	0.29	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Methylphenol	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Nitroaniline	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
2-Nitrophenol	2.0	U	2.0	0.28	ug/L		09/06/12 12:33	09/07/12 08:25	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.37	ug/L		09/06/12 12:33	09/07/12 08:25	1
3-Nitroaniline	2.0	U	2.0	0.28	ug/L		09/06/12 12:33	09/07/12 08:25	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	2.4	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Bromophenyl phenyl ether	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Chloro-3-methylphenol	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Chloroaniline	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Chlorophenyl phenyl ether	2.0	U	2.0	0.30	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Nitroaniline	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
4-Nitrophenol	5.0	U	5.0	2.4	ug/L		09/06/12 12:33	09/07/12 08:25	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-56969/12-A

Matrix: Water

Analysis Batch: 57042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Acetophenone	1.0	U	1.0	0.34	ug/L		09/06/12 12:33	09/07/12 08:25	1
Anthracene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Atrazine	1.0	U	1.0	0.34	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzaldehyde	1.0	U	1.0	0.39	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzo[a]anthracene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzo[a]pyrene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzo[b]fluoranthene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzo[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Benzo[k]fluoranthene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.32	ug/L		09/06/12 12:33	09/07/12 08:25	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Butyl benzyl phthalate	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Caprolactam	5.0	U	5.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Carbazole	1.0	U	1.0	0.28	ug/L		09/06/12 12:33	09/07/12 08:25	1
Chrysene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Dibenzofuran	1.0	U	1.0	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Diethyl phthalate	1.0	U	1.0	0.60	ug/L		09/06/12 12:33	09/07/12 08:25	1
Dimethyl phthalate	1.0	U	1.0	0.29	ug/L		09/06/12 12:33	09/07/12 08:25	1
Di-n-butyl phthalate	1.0	U	1.0	0.67	ug/L		09/06/12 12:33	09/07/12 08:25	1
Di-n-octyl phthalate	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Fluoranthene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Fluorene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Hexachlorobenzene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Hexachlorobutadiene	1.0	U	1.0	0.27	ug/L		09/06/12 12:33	09/07/12 08:25	1
Hexachlorocyclopentadiene	10	U	10	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Hexachloroethane	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Isophorone	1.0	U	1.0	0.27	ug/L		09/06/12 12:33	09/07/12 08:25	1
Naphthalene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Nitrobenzene	1.0	U	1.0	0.040	ug/L		09/06/12 12:33	09/07/12 08:25	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.80	ug/L		09/06/12 12:33	09/07/12 08:25	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.31	ug/L		09/06/12 12:33	09/07/12 08:25	1
Pentachlorophenol	5.0	U	5.0	2.4	ug/L		09/06/12 12:33	09/07/12 08:25	1
Phenol	1.0	U	1.0	0.60	ug/L		09/06/12 12:33	09/07/12 08:25	1
Phenanthrene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
Pyrene	0.20	U	0.20	0.10	ug/L		09/06/12 12:33	09/07/12 08:25	1
3 & 4 Methylphenol	2.0	U	2.0	0.75	ug/L		09/06/12 12:33	09/07/12 08:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	50		20 - 110	09/06/12 12:33	09/07/12 08:25	1
2-Fluorophenol (Surr)	51		10 - 110	09/06/12 12:33	09/07/12 08:25	1
2,4,6-Tribromophenol (Surr)	48		21 - 110	09/06/12 12:33	09/07/12 08:25	1
Nitrobenzene-d5 (Surr)	49		21 - 110	09/06/12 12:33	09/07/12 08:25	1
Phenol-d5 (Surr)	38		21 - 110	09/06/12 12:33	09/07/12 08:25	1
Terphenyl-d14 (Surr)	73		24 - 110	09/06/12 12:33	09/07/12 08:25	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-56969/13-A

Matrix: Water

Analysis Batch: 57042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	14.6		ug/L		73	43 - 110
bis (2-chloroisopropyl) ether	20.0	15.0		ug/L		75	37 - 110
2,4,5-Trichlorophenol	20.0	15.0		ug/L		75	48 - 110
2,4,6-Trichlorophenol	20.0	14.7		ug/L		73	45 - 110
2,4-Dichlorophenol	20.0	14.4		ug/L		72	41 - 110
2,4-Dimethylphenol	20.0	13.8		ug/L		69	32 - 110
2,4-Dinitrophenol	20.0	11.4		ug/L		57	10 - 110
2,4-Dinitrotoluene	20.0	15.3		ug/L		77	53 - 110
2,6-Dinitrotoluene	20.0	15.7		ug/L		78	54 - 110
2-Chloronaphthalene	20.0	14.0		ug/L		70	43 - 110
2-Chlorophenol	20.0	14.7		ug/L		73	29 - 110
2-Methylnaphthalene	20.0	14.0		ug/L		70	45 - 110
2-Methylphenol	20.0	14.0		ug/L		70	42 - 110
2-Nitroaniline	20.0	15.1		ug/L		76	54 - 110
2-Nitrophenol	20.0	14.7		ug/L		74	40 - 110
3,3'-Dichlorobenzidine	20.0	11.8		ug/L		59	22 - 110
3-Nitroaniline	20.0	14.2		ug/L		71	53 - 110
4,6-Dinitro-2-methylphenol	20.0	14.2		ug/L		71	31 - 110
4-Bromophenyl phenyl ether	20.0	14.2		ug/L		71	45 - 110
4-Chloro-3-methylphenol	20.0	14.7		ug/L		73	52 - 110
4-Chloroaniline	20.0	7.66	*	ug/L		38	44 - 110
4-Chlorophenyl phenyl ether	20.0	14.7		ug/L		74	47 - 110
4-Nitroaniline	20.0	14.8		ug/L		74	54 - 110
4-Nitrophenol	20.0	8.56		ug/L		43	33 - 112
Acenaphthene	20.0	14.3		ug/L		72	47 - 110
Acenaphthylene	20.0	14.5		ug/L		72	49 - 110
Acetophenone	20.0	15.1		ug/L		75	46 - 110
Anthracene	20.0	14.4		ug/L		72	52 - 110
Atrazine	20.0	18.5		ug/L		93	66 - 126
Benzaldehyde	20.0	20.2		ug/L		101	38 - 110
Benzo[a]anthracene	20.0	14.3		ug/L		71	52 - 110
Benzo[a]pyrene	20.0	13.3		ug/L		66	44 - 110
Benzo[b]fluoranthene	20.0	12.8		ug/L		64	48 - 110
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	50 - 110
Benzo[k]fluoranthene	20.0	15.9		ug/L		79	49 - 110
Bis(2-chloroethoxy)methane	20.0	14.3		ug/L		72	43 - 110
Bis(2-chloroethyl)ether	20.0	14.5		ug/L		73	40 - 110
Bis(2-ethylhexyl) phthalate	20.0	15.5		ug/L		77	39 - 116
Butyl benzyl phthalate	20.0	14.9		ug/L		75	55 - 110
Caprolactam	20.0	3.89	J *	ug/L		19	45 - 111
Carbazole	20.0	14.6		ug/L		73	55 - 110
Chrysene	20.0	15.1		ug/L		76	55 - 110
Dibenz(a,h)anthracene	20.0	15.5		ug/L		77	49 - 110
Dibenzofuran	20.0	14.3		ug/L		72	51 - 110
Diethyl phthalate	20.0	15.3		ug/L		76	58 - 110
Dimethyl phthalate	20.0	15.1		ug/L		76	57 - 110
Di-n-butyl phthalate	20.0	15.6		ug/L		78	57 - 110
Di-n-octyl phthalate	20.0	15.0		ug/L		75	40 - 110
Fluoranthene	20.0	15.2		ug/L		76	54 - 110

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-56969/13-A

Matrix: Water

Analysis Batch: 57042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	20.0	14.5		ug/L		72	52 - 110
Hexachlorobenzene	20.0	14.9		ug/L		75	50 - 110
Hexachlorobutadiene	20.0	13.0		ug/L		65	33 - 110
Hexachlorocyclopentadiene	20.0	12.4		ug/L		62	10 - 110
Hexachloroethane	20.0	13.6		ug/L		68	35 - 110
Indeno[1,2,3-cd]pyrene	20.0	15.0		ug/L		75	50 - 110
Isophorone	20.0	14.8		ug/L		74	49 - 110
Naphthalene	20.0	14.1		ug/L		70	44 - 110
Nitrobenzene	20.0	14.2		ug/L		71	42 - 110
N-Nitrosodi-n-propylamine	20.0	15.5		ug/L		78	47 - 110
N-Nitrosodiphenylamine	20.0	14.4		ug/L		72	50 - 110
Pentachlorophenol	20.0	12.9		ug/L		65	18 - 110
Phenol	20.0	8.51		ug/L		43	33 - 110
Phenanthrene	20.0	14.4		ug/L		72	53 - 110
Pyrene	20.0	14.2		ug/L		71	52 - 110
3 & 4 Methylphenol	40.0	26.6		ug/L		66	44 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	67		20 - 110
2-Fluorophenol (Surr)	58		10 - 110
2,4,6-Tribromophenol (Surr)	73		21 - 110
Nitrobenzene-d5 (Surr)	66		21 - 110
Phenol-d5 (Surr)	41		21 - 110
Terphenyl-d14 (Surr)	80		24 - 110

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-56574/1-A

Matrix: Water

Analysis Batch: 56859

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 56574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.0	U	1.0	0.080	ug/L		09/04/12 09:54	09/05/12 10:54	1
Aluminum	50	U	50	19	ug/L		09/04/12 09:54	09/05/12 10:54	1
Arsenic	5.0	U	5.0	0.40	ug/L		09/04/12 09:54	09/05/12 10:54	1
Beryllium	1.0	U	1.0	0.20	ug/L		09/04/12 09:54	09/05/12 10:54	1
Cadmium	1.0	U	1.0	0.13	ug/L		09/04/12 09:54	09/05/12 10:54	1
Cobalt	1.0	U	1.0	0.058	ug/L		09/04/12 09:54	09/05/12 10:54	1
Chromium	2.0	U	2.0	0.71	ug/L		09/04/12 09:54	09/05/12 10:54	1
Copper	0.633	J	2.0	0.29	ug/L		09/04/12 09:54	09/05/12 10:54	1
Iron	100	U ^	100	26	ug/L		09/04/12 09:54	09/05/12 10:54	1
Manganese	5.0	U ^	5.0	0.83	ug/L		09/04/12 09:54	09/05/12 10:54	1
Nickel	2.0	U	2.0	0.20	ug/L		09/04/12 09:54	09/05/12 10:54	1
Lead	1.0	U	1.0	0.18	ug/L		09/04/12 09:54	09/05/12 10:54	1
Antimony	2.0	U	2.0	0.13	ug/L		09/04/12 09:54	09/05/12 10:54	1
Selenium	5.0	U	5.0	0.57	ug/L		09/04/12 09:54	09/05/12 10:54	1
Thallium	0.366	J	2.0	0.14	ug/L		09/04/12 09:54	09/05/12 10:54	1
Vanadium	20	U	20	0.44	ug/L		09/04/12 09:54	09/05/12 10:54	1
Zinc	3.55	J	20	2.3	ug/L		09/04/12 09:54	09/05/12 10:54	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-56574/1-A

Matrix: Water

Analysis Batch: 56859

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 56574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.956	J	5.0	0.19	ug/L		09/04/12 09:54	09/05/12 10:54	1
Calcium	282	J	1000	22	ug/L		09/04/12 09:54	09/05/12 10:54	1
Potassium	31.6	J	1000	8.3	ug/L		09/04/12 09:54	09/05/12 10:54	1
Magnesium	88.8	J	1000	17	ug/L		09/04/12 09:54	09/05/12 10:54	1
Sodium	87.5	J	1000	6.9	ug/L		09/04/12 09:54	09/05/12 10:54	1

Lab Sample ID: LCS 240-56574/2-A

Matrix: Water

Analysis Batch: 56859

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 56574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	100	107		ug/L		107	80 - 120
Aluminum	10000	10100		ug/L		101	80 - 120
Arsenic	1000	987		ug/L		99	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1030		ug/L		103	80 - 120
Cobalt	1000	949		ug/L		95	80 - 120
Chromium	1000	993		ug/L		99	80 - 120
Copper	1000	1050		ug/L		105	80 - 120
Iron	10000	10400	^	ug/L		104	80 - 120
Manganese	1000	1020	^	ug/L		102	80 - 120
Nickel	1000	1000		ug/L		100	80 - 120
Lead	1000	1060		ug/L		106	80 - 120
Antimony	100	100		ug/L		100	80 - 120
Selenium	1000	995		ug/L		100	80 - 120
Thallium	250	260		ug/L		104	80 - 120
Vanadium	1000	967		ug/L		97	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120
Barium	1000	992		ug/L		99	80 - 120
Calcium	10000	10500		ug/L		105	80 - 120
Potassium	10000	10800		ug/L		108	80 - 120
Magnesium	10000	10700		ug/L		107	80 - 120
Sodium	10000	10800		ug/L		108	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-56580/1-A

Matrix: Water

Analysis Batch: 56720

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		09/04/12 13:35	09/04/12 17:54	1

Lab Sample ID: LCS 240-56580/2-A

Matrix: Water

Analysis Batch: 56720

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56580

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.83		ug/L		97	81 - 123

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

GC/MS VOA

Analysis Batch: 56762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total/NA	Water	8260B	
240-14709-2	WG-630970-083012-002	Total/NA	Water	8260B	
240-14709-3	WG-630970-083012-003	Total/NA	Water	8260B	
240-14709-4	WG-630970-083012-004	Total/NA	Water	8260B	
240-14709-5	WG-630970-083012-005	Total/NA	Water	8260B	
240-14709-6	EB-630970-083012-006	Total/NA	Water	8260B	
240-14709-7	WG-630970-083012-007	Total/NA	Water	8260B	
240-14709-8	WG-630970-083012-008	Total/NA	Water	8260B	
240-14709-9	TB-630970-083012	Total/NA	Water	8260B	
LCS 240-56762/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-56762/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 56969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total/NA	Water	3520C	
240-14709-2	WG-630970-083012-002	Total/NA	Water	3520C	
240-14709-3	WG-630970-083012-003	Total/NA	Water	3520C	
240-14709-4	WG-630970-083012-004	Total/NA	Water	3520C	
240-14709-5	WG-630970-083012-005	Total/NA	Water	3520C	
240-14709-6	EB-630970-083012-006	Total/NA	Water	3520C	
240-14709-7	WG-630970-083012-007	Total/NA	Water	3520C	
240-14709-8	WG-630970-083012-008	Total/NA	Water	3520C	
LCS 240-56969/13-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-56969/12-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 57042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total/NA	Water	8270C	56969
240-14709-2	WG-630970-083012-002	Total/NA	Water	8270C	56969
240-14709-3	WG-630970-083012-003	Total/NA	Water	8270C	56969
240-14709-4	WG-630970-083012-004	Total/NA	Water	8270C	56969
240-14709-5	WG-630970-083012-005	Total/NA	Water	8270C	56969
240-14709-6	EB-630970-083012-006	Total/NA	Water	8270C	56969
240-14709-7	WG-630970-083012-007	Total/NA	Water	8270C	56969
LCS 240-56969/13-A	Lab Control Sample	Total/NA	Water	8270C	56969
MB 240-56969/12-A	Method Blank	Total/NA	Water	8270C	56969

Analysis Batch: 57192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-8	WG-630970-083012-008	Total/NA	Water	8270C	56969

Metals

Prep Batch: 56574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total Recoverable	Water	3005A	
240-14709-2	WG-630970-083012-002	Total Recoverable	Water	3005A	
240-14709-3	WG-630970-083012-003	Total Recoverable	Water	3005A	
240-14709-4	WG-630970-083012-004	Total Recoverable	Water	3005A	
240-14709-5	WG-630970-083012-005	Total Recoverable	Water	3005A	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Metals (Continued)

Prep Batch: 56574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-6	EB-630970-083012-006	Total Recoverable	Water	3005A	
240-14709-7	WG-630970-083012-007	Total Recoverable	Water	3005A	
240-14709-8	WG-630970-083012-008	Total Recoverable	Water	3005A	
LCS 240-56574/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-56574/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 56580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total/NA	Water	7470A	
240-14709-2	WG-630970-083012-002	Total/NA	Water	7470A	
240-14709-3	WG-630970-083012-003	Total/NA	Water	7470A	
240-14709-4	WG-630970-083012-004	Total/NA	Water	7470A	
240-14709-5	WG-630970-083012-005	Total/NA	Water	7470A	
240-14709-6	EB-630970-083012-006	Total/NA	Water	7470A	
240-14709-7	WG-630970-083012-007	Total/NA	Water	7470A	
240-14709-8	WG-630970-083012-008	Total/NA	Water	7470A	
LCS 240-56580/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-56580/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 56720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total/NA	Water	7470A	56580
240-14709-2	WG-630970-083012-002	Total/NA	Water	7470A	56580
240-14709-3	WG-630970-083012-003	Total/NA	Water	7470A	56580
240-14709-4	WG-630970-083012-004	Total/NA	Water	7470A	56580
240-14709-5	WG-630970-083012-005	Total/NA	Water	7470A	56580
240-14709-6	EB-630970-083012-006	Total/NA	Water	7470A	56580
240-14709-7	WG-630970-083012-007	Total/NA	Water	7470A	56580
240-14709-8	WG-630970-083012-008	Total/NA	Water	7470A	56580
LCS 240-56580/2-A	Lab Control Sample	Total/NA	Water	7470A	56580
MB 240-56580/1-A	Method Blank	Total/NA	Water	7470A	56580

Analysis Batch: 56859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-1	WG-630970-083012-001	Total Recoverable	Water	6020	56574
240-14709-2	WG-630970-083012-002	Total Recoverable	Water	6020	56574
240-14709-3	WG-630970-083012-003	Total Recoverable	Water	6020	56574
240-14709-4	WG-630970-083012-004	Total Recoverable	Water	6020	56574
240-14709-5	WG-630970-083012-005	Total Recoverable	Water	6020	56574
240-14709-6	EB-630970-083012-006	Total Recoverable	Water	6020	56574
240-14709-7	WG-630970-083012-007	Total Recoverable	Water	6020	56574
LCS 240-56574/2-A	Lab Control Sample	Total Recoverable	Water	6020	56574
MB 240-56574/1-A	Method Blank	Total Recoverable	Water	6020	56574

Analysis Batch: 57039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-14709-8	WG-630970-083012-008	Total Recoverable	Water	6020	56574

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-001

Lab Sample ID: 240-14709-1

Date Collected: 08/30/12 10:20

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 19:26	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 11:21	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:16	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 12:43	BD	TAL NC

Client Sample ID: WG-630970-083012-002

Lab Sample ID: 240-14709-2

Date Collected: 08/30/12 11:55

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 19:49	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 11:40	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:17	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 12:49	BD	TAL NC

Client Sample ID: WG-630970-083012-003

Lab Sample ID: 240-14709-3

Date Collected: 08/30/12 13:20

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 20:11	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 12:00	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:18	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 12:59	BD	TAL NC

Client Sample ID: WG-630970-083012-004

Lab Sample ID: 240-14709-4

Date Collected: 08/30/12 14:00

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 20:33	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 12:19	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:20	DH	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-004

Lab Sample ID: 240-14709-4

Date Collected: 08/30/12 14:00

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 13:05	BD	TAL NC

Client Sample ID: WG-630970-083012-005

Lab Sample ID: 240-14709-5

Date Collected: 08/30/12 10:10

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 20:56	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 12:39	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:22	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 13:11	BD	TAL NC

Client Sample ID: EB-630970-083012-006

Lab Sample ID: 240-14709-6

Date Collected: 08/30/12 10:40

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 21:18	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 12:58	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:23	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 13:17	BD	TAL NC

Client Sample ID: WG-630970-083012-007

Lab Sample ID: 240-14709-7

Date Collected: 08/30/12 11:45

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 21:40	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57042	09/07/12 13:18	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:25	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	56859	09/05/12 13:22	BD	TAL NC

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Client Sample ID: WG-630970-083012-008

Lab Sample ID: 240-14709-8

Date Collected: 08/30/12 13:20

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 22:03	LW	TAL NC
Total/NA	Prep	3520C			56969	09/06/12 12:33	BM	TAL NC
Total/NA	Analysis	8270C		1	57192	09/10/12 17:10	MU	TAL NC
Total/NA	Prep	7470A			56580	09/04/12 13:35	SG	TAL NC
Total/NA	Analysis	7470A		1	56720	09/04/12 18:29	DH	TAL NC
Total Recoverable	Prep	3005A			56574	09/04/12 09:54	SG	TAL NC
Total Recoverable	Analysis	6020		1	57039	09/06/12 13:04	BD	TAL NC

Client Sample ID: TB-630970-083012

Lab Sample ID: 240-14709-9

Date Collected: 08/30/12 00:00

Matrix: Water

Date Received: 08/31/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	56762	09/05/12 22:25	LW	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 630970, NL Industries

TestAmerica Job ID: 240-14709-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAC	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAC	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAC	5	200004	07-31-13
Kansas	NELAC	7	E-10336	01-31-13
Kentucky	State Program	4	58	11-16-12
L-A-B	DoD ELAP		L2315	02-28-13
Minnesota	NELAC	5	039-999-348	12-31-12
Nevada	State Program	9	OH-000482008A	07-31-12
New Jersey	NELAC	2	OH001	06-30-13
New York	NELAC	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAC	3	460175	09-14-12
Washington	State Program	10	C971	01-12-13
West Virginia DEP	State Program	3	210	12-31-12



CONESTOGA-ROVERS
& ASSOCIATES

CHAIN OF CUSTODY RECORD
Address: 2055 Niagara Falls Blvd, NY 14304
Phone: 16-297-6150 Fax:

COC NO.: 36399
PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 630970	Laboratory Name: Test America	Lab Location: North Canton OH	SSOW ID:
Project Name: Cascade Paper	Lab Contact: Denise Heckler	Lab Quote No:	Cooler No:
Project Location: Walden Ave	SAMPLE IDENTIFICATION (see back of COC for details)	ANALYSIS REQUESTED (see back of COC for details)	Carrier: Fed Ex
Chemistry Contact: Paul McMahon	Matrix Code	Grab (G) or Comp (C)	Unpreserved
Sampler(s): S. Gardner D. Tyran	DATE/TIME	DATE/TIME	DATE/TIME
1	WG-630970-083012-001	8-30-12 1020	WG G
2	WG-630970-083012-002	8-30-12 1155	WG G
3	WG-630970-083012-003	8-30-12 1320	WG G
4	WG-630970-083012-004	8-30-12 1400	WG G
5	WG-630970-083012-005	8-30-12 1010	WG G
6	EB-630970-083012-006	8-30-12 1040	EB G
7	WG-630970-083012-007	8-30-12 1145	WG G
8	WG-630970-083012-008	8-30-12 1320	WG G
9	TB-630970-083012-	8-30-12	TB G
10			
11			
12			
13			
14			
15			

Total Number of Containers: 50	Notes/ Special Requirements:
All Samples in Cooler must be on COC.	

RECEIVED BY D. Tyran	DATE 8-30-12	TIME 1530	COMPANY CRA
1.			
2.			
3.			

DATE 8-31-12	TIME 930
-----------------	-------------

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA)

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampling Crew

CRA Form: COC-108 (20110804)

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 14709Client CRA Site Name _____ By: [Signature]Cooler Received on 8-31-12 Opened on 8-31-12 (Signature)FedEx: 1st Grd ☒ UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____TestAmerica Cooler # _____ Foam Box ☒ Client Cooler Box Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 5G (CF -1°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 8 (CF 0°C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes ☒ No ☒
- Were custody seals on the outside of the cooler(s) signed & dated? Yes No ☒
- Were custody seals on the bottle(s)? Yes ☒ No
3. Shippers' packing slip attached to the cooler(s)? ☒ Yes No
4. Did custody papers accompany the sample(s)? ☒ Yes No
5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes No
6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes No
7. Could all bottle labels be reconciled with the COC? ☒ Yes No
8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes No
9. Sufficient quantity received to perform indicated analyses? ☒ Yes No
10. Were sample(s) at the correct pH upon receipt? ☒ Yes No NA
11. Were VOAs on the COC? ☒ Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes ☒ No NA
13. Was a trip blank present in the cooler(s)? ☒ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-14709-1

Login Number: 14709

List Source: TestAmerica Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	REFER TO COOLER RECEIPT FORM
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

APPENDIX E

DATA USABILITY SUMMARY REPORT (DUSR)



**CONESTOGA-ROVERS
& ASSOCIATES**

9033 Meridian Way, West Chester, Ohio 45069
Telephone: (513) 942-4750 Fax: (513) 942-8585
www.CRAworld.com

MEMORANDUM

TO: Kathy Galanti

REF. NO.: 630970

FROM: Paul McMahon/bjw/1 *bm*

DATE: September 24, 2012

E-Mail and Hard Copy if Requested

RE: **Data Usability Summary Report (DUSR)
Annual Groundwater Sampling
Cascade Paper
Depew, New York
August 2012**

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the August 2012 collection of nine (9) water samples, including a trip blank and an equipment blank, from Cascade Paper, Depew, New York. The sample summary detailing sample identification, sample location, quality control (QC) samples and analytical parameters is presented in Table 1. An analytical results summary is presented in Table 2. Sample analysis was completed at Test America Laboratories (TA), in North Canton, Ohio, in accordance with the methodologies presented in Table 3.

This DUSR has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation "DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B-Guidance for the Development of Data Usability Summary Reports", May 2010.

ANALYTICAL METHODOLOGY AND DATA VALIDATION

The QC criteria used to assess the data were established by the methods and with the following guidance documents:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", United States Environmental Protection Agency (USEPA) 540/R-94-013, February 1994

These documents will be referred to as the "Guidelines" in this memorandum.

The data review included evaluation of the data package, holding times, surrogate recoveries, method blanks, laboratory control sample recoveries, field duplicates, and field blanks.

Qualifications applied to the analytical results based on the data validation include 'UJ' (estimated quantitation limit), and 'U' (non-detect).

QA/QC REVIEW

HOLDING TIMES AND SAMPLE PRESERVATION

Based on the methods, all required holding times were met.

All samples were properly preserved and cooled to 0-6°C after collection.

METHOD BLANK ANALYSIS

Method blanks were analyzed on a daily basis. Most method blank results were non-detect for the analytes of interest. Sample results with concentrations similar to those found in the method blanks were qualified as non-detect (see Table 4).

SURROGATE SPIKE RECOVERIES

In accordance with the methods employed, all samples, blanks, and QA/QC samples analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) were spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency. According to the "Guidelines", up to one outlying SVOC surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

All surrogate recoveries met the above guidance, indicating good analytical efficiency.

LABORATORY CONTROL SAMPLE ANALYSES

LCSs were analyzed at the required frequency for all parameters and most recoveries were acceptable, indicating adequate analytical efficiency. Two low SVOC recoveries were reported. The associated SVOC sample results were qualified as estimated based on the indicated low bias (see Table 5).

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The field QA/QC consisted of one trip blank sample, one equipment blank sample, and one field duplicate set.

Trip Blanks

To monitor potential cross-contamination of VOCs during aqueous sample transportation, storage, and analysis, a trip blank was submitted to the laboratory for VOC analysis.

All results were non-detect for the compounds of interest.

Equipment Blanks

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

VOCs and metals were detected in the equipment blank. Most associated sample results were either non-detect or considerably greater than the concentrations found in the blank and no qualification of data was necessary. Remaining sample results with concentrations similar to those found in the blank were qualified as non-detect (see Table 6).

Field Duplicates

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set, as identified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples.

The data indicate that an adequate level of precision was achieved for the sampling event.

SAMPLE RESULTS AND REPORTING

All sample results and quantitation limits were reported in accordance with method requirements and were adjusted for dilution factors.

OVERALL ASSESSMENT

All deliverables required by the project were present and the data package was complete. Based on the preceding evaluation, the data were acceptable for use with the qualifications noted.

TABLE 1

**SAMPLE COLLECTION AND ANALYSIS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Sample ID</i>	<i>Location I.D.</i>	<i>Collection Date</i>	<i>Collection Time</i>	<i>Parameter</i>			<i>Comment</i>
				<i>TCL VOCs</i>	<i>TAL Metals</i>	<i>TCL SVOCs</i>	
WG-630970-083012-001	MW-103	8/30/2012	10:20	X	X	X	
WG-630970-083012-002	MW-101	8/30/2012	11:55	X	X	X	
WG-630970-083012-003	MW-102	8/30/2012	13:20	X	X	X	
WG-630970-083012-004	MW-102	8/30/2012	14:00	X	X	X	Duplicate of WG-630970-083012-003
WG-630970-083012-005	MW-104	8/30/2012	10:10	X	X	X	
EB-630970-083012-006	-	8/30/2012	10:40	X	X	X	Equipment Blank
WG-630970-083012-007	MW-106F	8/30/2012	11:45	X	X	X	
WG-630970-083012-008	MW-105	8/30/2012	13:20	X	X	X	
TB-630970-083012	-	8/30/2012	-	X			Trip Blank

Notes:

- Not applicable.
- TCL Target Compound List.
- TAL Target Analyte List.
- SVOCs Semi-Volatile Organic Compounds.
- VOCs Volatile Organic Compounds.

TABLE 2

**ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Location Name:</i>	<i>MW-101</i>	<i>MW-102</i>	<i>MW-102</i>	<i>MW-103</i>
<i>Sample Name:</i>	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012 <i>Duplicate</i>	8/30/2012

<i>Parameters</i>	<i>Units</i>				
<i>Volatile Organic Compounds</i>					
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	0.24 J	0.20 J	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Location Name:</i>	<i>MW-101</i>	<i>MW-102</i>	<i>MW-102</i>	<i>MW-103</i>
<i>Sample Name:</i>	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012 <i>Duplicate</i>	8/30/2012

<i>Parameters</i>	<i>Units</i>				
<i>Volatile Organic Compounds (Continued)</i>					
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	µg/L	10 U	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
<i>Semi-Volatile Organic Compounds</i>					
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
2,4,5-Trichlorophenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
2,4,6-Trichlorophenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dinitrophenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
2,4-Dinitrotoluene	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
2,6-Dinitrotoluene	µg/L	4.8 U	4.8 U	4.8 U	4.8 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Location Name:</i>	<i>MW-101</i>	<i>MW-102</i>	<i>MW-102</i>	<i>MW-103</i>
<i>Sample Name:</i>	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012	8/30/2012
			<i>Duplicate</i>	

<i>Parameters</i>	<i>Units</i>				
<i>Semi-Volatile Organic Compounds (Continued)</i>					
2-Chloronaphthalene	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
2-Chlorophenol	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
2-Methylnaphthalene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
2-Methylphenol	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
2-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
2-Nitrophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
3&4-Methylphenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
3-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
4,6-Dinitro-2-methylphenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
4-Bromophenyl phenyl ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
4-Chloro-3-methylphenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
4-Chloroaniline	µg/L	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ
4-Chlorophenyl phenyl ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitrophenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
Acenaphthene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Acenaphthylene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Acetophenone	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Anthracene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Atrazine	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Benzaldehyde	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Benzo(a)anthracene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(g,h,i)perylene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Biphenyl (1,1-Biphenyl)	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
bis(2-Chloroethoxy)methane	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
bis(2-Chloroethyl)ether	µg/L	0.95 U	0.95 U	0.95 U	0.95 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Location Name:</i>	<i>MW-101</i>	<i>MW-102</i>	<i>MW-102</i>	<i>MW-103</i>
<i>Sample Name:</i>	<i>WG-630970-083012-002</i>	<i>WG-630970-083012-003</i>	<i>WG-630970-083012-004</i>	<i>WG-630970-083012-001</i>
<i>Sample Date:</i>	<i>8/30/2012</i>	<i>8/30/2012</i>	<i>8/30/2012</i>	<i>8/30/2012</i>
			<i>Duplicate</i>	

<i>Parameters</i>	<i>Units</i>				
<i>Semi-Volatile Organic Compounds (Continued)</i>					
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U
Butyl benzylphthalate (BBP)	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Caprolactam	µg/L	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ
Carbazole	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Chrysene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Dibenz(a,h)anthracene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Dibenzofuran	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Diethyl phthalate	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Dimethyl phthalate	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Di-n-butylphthalate (DBP)	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Di-n-octyl phthalate (DnOP)	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Fluoranthene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Fluorene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Hexachlorobenzene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Hexachlorobutadiene	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.5 U	9.5 U	9.5 U
Hexachloroethane	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Indeno(1,2,3-cd)pyrene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Isophorone	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Naphthalene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Nitrobenzene	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
N-Nitrosodi-n-propylamine	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
N-Nitrosodiphenylamine	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Pentachlorophenol	µg/L	4.8 U	4.8 U	4.8 U	4.8 U
Phenanthrene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U
Phenol	µg/L	0.95 U	0.95 U	0.95 U	0.95 U
Pyrene	µg/L	0.19 U	0.19 U	0.19 U	0.19 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Location Name:</i>	<i>MW-101</i>	<i>MW-102</i>	<i>MW-102</i>	<i>MW-103</i>
<i>Sample Name:</i>	WG-630970-083012-002	WG-630970-083012-003	WG-630970-083012-004	WG-630970-083012-001
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012 <i>Duplicate</i>	8/30/2012

<i>Parameters</i>	<i>Units</i>				
<i>Metals</i>					
Aluminum	µg/L	120	52	45 J	31 J
Antimony	µg/L	5.3	0.21 J	2.0 U	4.8
Arsenic	µg/L	1.4 J	2.1 J	1.7 J	1.3 J
Barium	µg/L	100	70	69	140
Beryllium	µg/L	1.0 U	0.27 J	1.0 U	1.0 U
Cadmium	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	µg/L	30000	76000	76000	89000
Chromium	µg/L	1.6 J	2.0 U	2.0 U	2.0 U
Cobalt	µg/L	0.19 J	1.3	1.2	0.59 J
Copper	µg/L	30	2.0 U	2.0 U	18
Iron	µg/L	110	400	380	120
Lead	µg/L	21	0.87 J	0.74 J	7.8
Magnesium	µg/L	26000	100000	100000	66000
Manganese	µg/L	44	150	150	49
Mercury	µg/L	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
Potassium	µg/L	1700	2400	2400	3400
Selenium	µg/L	5.0 U	0.59 J	5.0 U	5.0 U
Silver	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Sodium	µg/L	26000	62000	62000	99000
Thallium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U
Vanadium	µg/L	1.4 J	20 U	20 U	20 U
Zinc	µg/L	23	20 U	20 U	80

TABLE 2

ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Location Name:</i>	<i>MW-104</i>	<i>MW-105</i>	<i>MW-106F</i>
<i>Sample Name:</i>	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012

<i>Parameters</i>	<i>Units</i>			
<i>Volatile Organic Compounds</i>				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Location Name:</i>		<i>MW-104</i>	<i>MW-105</i>	<i>MW-106F</i>
<i>Sample Name:</i>		<i>WG-630970-083012-005</i>	<i>WG-630970-083012-008</i>	<i>WG-630970-083012-007</i>
<i>Sample Date:</i>		<i>8/30/2012</i>	<i>8/30/2012</i>	<i>8/30/2012</i>
<i>Parameters</i>	<i>Units</i>			
<i>Volatile Organic Compounds (Continued)</i>				
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	1.0 U	1.0 U	1.0 U
Methyl acetate	µg/L	10 U	10 U	10 U
Methyl cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	2.0 U	2.0 U	2.0 U
<i>Semi-Volatile Organic Compounds</i>				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	0.95 U	0.95 U	0.95 U
2,4,5-Trichlorophenol	µg/L	4.8 U	4.8 U	4.8 U
2,4,6-Trichlorophenol	µg/L	4.8 U	4.8 U	4.8 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	1.9 U	1.9 U	1.9 U
2,4-Dinitrophenol	µg/L	4.8 U	4.8 U	4.8 U
2,4-Dinitrotoluene	µg/L	4.8 U	4.8 U	4.8 U
2,6-Dinitrotoluene	µg/L	4.8 U	4.8 U	4.8 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Location Name:</i>		<i>MW-104</i>	<i>MW-105</i>	<i>MW-106F</i>
<i>Sample Name:</i>		<i>WG-630970-083012-005</i>	<i>WG-630970-083012-008</i>	<i>WG-630970-083012-007</i>
<i>Sample Date:</i>		<i>8/30/2012</i>	<i>8/30/2012</i>	<i>8/30/2012</i>
<i>Parameters</i>	<i>Units</i>			
<i>Semi-Volatile Organic Compounds (Continued)</i>				
2-Chloronaphthalene	µg/L	0.95 U	0.95 U	0.95 U
2-Chlorophenol	µg/L	0.95 U	0.95 U	0.95 U
2-Methylnaphthalene	µg/L	0.19 U	0.19 U	0.19 U
2-Methylphenol	µg/L	0.95 U	0.95 U	0.95 U
2-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U
2-Nitrophenol	µg/L	1.9 U	1.9 U	1.9 U
3&4-Methylphenol	µg/L	1.9 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine	µg/L	4.8 U	4.8 U	4.8 U
3-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U
4,6-Dinitro-2-methylphenol	µg/L	4.8 U	4.8 U	4.8 U
4-Bromophenyl phenyl ether	µg/L	1.9 U	1.9 U	1.9 U
4-Chloro-3-methylphenol	µg/L	1.9 U	1.9 U	1.9 U
4-Chloroaniline	µg/L	1.9 UJ	1.9 UJ	1.9 UJ
4-Chlorophenyl phenyl ether	µg/L	1.9 U	1.9 U	1.9 U
4-Nitroaniline	µg/L	1.9 U	1.9 U	1.9 U
4-Nitrophenol	µg/L	4.8 U	4.8 U	4.8 U
Acenaphthene	µg/L	0.19 U	0.19 U	0.19 U
Acenaphthylene	µg/L	0.19 U	0.19 U	0.19 U
Acetophenone	µg/L	0.95 U	0.95 U	0.95 U
Anthracene	µg/L	0.19 U	0.19 U	0.19 U
Atrazine	µg/L	0.95 U	0.95 U	0.95 U
Benzaldehyde	µg/L	0.95 U	0.95 U	0.95 U
Benzo(a)anthracene	µg/L	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene	µg/L	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene	µg/L	0.19 U	0.19 U	0.19 U
Benzo(g,h,i)perylene	µg/L	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene	µg/L	0.19 U	0.19 U	0.19 U
Biphenyl (1,1-Biphenyl)	µg/L	0.95 U	0.95 U	0.95 U
bis(2-Chloroethoxy)methane	µg/L	0.95 U	0.95 U	0.95 U
bis(2-Chloroethyl)ether	µg/L	0.95 U	0.95 U	0.95 U

TABLE 2

**ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

	Location Name:	MW-104	MW-105	MW-106F
	Sample Name:	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
	Sample Date:	8/30/2012	8/30/2012	8/30/2012
Parameters	Units			
Semi-Volatile Organic Compounds (Continued)				
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	1.9 U	1.9 U	1.9 U
Butyl benzylphthalate (BBP)	µg/L	0.95 U	0.95 U	0.95 U
Caprolactam	µg/L	4.8 UJ	4.8 UJ	4.8 UJ
Carbazole	µg/L	0.95 U	0.95 U	0.95 U
Chrysene	µg/L	0.19 U	0.19 U	0.19 U
Dibenz(a,h)anthracene	µg/L	0.19 U	0.19 U	0.19 U
Dibenzofuran	µg/L	0.95 U	0.95 U	0.95 U
Diethyl phthalate	µg/L	0.95 U	0.95 U	0.95 U
Dimethyl phthalate	µg/L	0.95 U	0.95 U	0.95 U
Di-n-butylphthalate (DBP)	µg/L	0.95 U	0.95 U	0.95 U
Di-n-octyl phthalate (DnOP)	µg/L	0.95 U	0.95 U	0.95 U
Fluoranthene	µg/L	0.19 U	0.19 U	0.19 U
Fluorene	µg/L	0.19 U	0.19 U	0.19 U
Hexachlorobenzene	µg/L	0.19 U	0.19 U	0.19 U
Hexachlorobutadiene	µg/L	0.95 U	0.95 U	0.95 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.5 U	9.5 U
Hexachloroethane	µg/L	0.95 U	0.95 U	0.95 U
Indeno(1,2,3-cd)pyrene	µg/L	0.19 U	0.19 U	0.19 U
Isophorone	µg/L	0.95 U	0.95 U	0.95 U
Naphthalene	µg/L	0.19 U	0.19 U	0.19 U
Nitrobenzene	µg/L	0.95 U	0.95 U	0.95 U
N-Nitrosodi-n-propylamine	µg/L	0.95 U	0.95 U	0.95 U
N-Nitrosodiphenylamine	µg/L	0.95 U	0.95 U	0.95 U
Pentachlorophenol	µg/L	4.8 U	4.8 U	4.8 U
Phenanthrene	µg/L	0.19 U	0.19 U	0.19 U
Phenol	µg/L	0.95 U	0.95 U	0.95 U
Pyrene	µg/L	0.19 U	0.19 U	0.19 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Location Name:</i>	<i>MW-104</i>	<i>MW-105</i>	<i>MW-106F</i>
<i>Sample Name:</i>	WG-630970-083012-005	WG-630970-083012-008	WG-630970-083012-007
<i>Sample Date:</i>	8/30/2012	8/30/2012	8/30/2012

<i>Parameters</i>	<i>Units</i>			
<i>Metals</i>				
Aluminum	µg/L	50 U	50 U	43 J
Antimony	µg/L	2.0 U	2.0 U	0.60 J
Arsenic	µg/L	12	0.75 J	1.2 J
Barium	µg/L	40	180	200
Beryllium	µg/L	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	1.0 U	1.0 U	1.0 U
Calcium	µg/L	58000	34000	61000
Chromium	µg/L	2.0 U	2.0 U	2.0 U
Cobalt	µg/L	0.12 J	0.14 J	0.17 J
Copper	µg/L	2.0 U	2.0 U	2.8 U
Iron	µg/L	550	920	70 J
Lead	µg/L	1.0 U	1.0 U	2.4
Magnesium	µg/L	100000	77000	71000
Manganese	µg/L	15	18	42
Mercury	µg/L	0.14 J	0.12 J	0.20 U
Nickel	µg/L	2.0 U	2.0 U	2.0 U
Potassium	µg/L	2100	4400	1300
Selenium	µg/L	5.0 U	5.0 U	5.0 U
Silver	µg/L	1.0 U	1.0 U	1.0 U
Sodium	µg/L	62000	57000	100000
Thallium	µg/L	2.0 U	2.0 U	2.0 U
Vanadium	µg/L	20 U	20 U	0.66 J
Zinc	µg/L	20 U	20 U	20 U

Notes:

U - Non-detect at the associated value.

J - Estimated.

UJ - Not detected, estimated reporting limit.

TABLE 3

ANALYTICAL METHOD SUMMARY
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Analyses</i>	<i>Methodology ⁽¹⁾</i>	<i>Holding Time to Extraction (Days)</i>	<i>Holding Time to Analyses (Days)</i>
TCL VOCs	SW-846 8260B	-	14
TCL SVOCs	SW-846 8270C	7	40
TAL Metals (except Mercury)	SW-846 6020	-	180
Mercury	SW-846 7470A	-	28

Notes:

⁽¹⁾ Referenced from "Test Methods for Evaluating Solid Waste", USEPA OSW, 3rd Edition, 1986 and subsequent revisions.

SVOCs Semi-Volatile Organic Compounds.

VOCs Volatile Organic Compounds.

TCL Target Compound List.

TAL Target Analyte List.

TABLE 4

**QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012**

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
Metals	09/04/12	Copper	0.63 J	WG-630970-083012-003	2.0 U	µg/L
				WG-630970-083012-004	2.0 U	µg/L
				WG-630970-083012-005	2.0 U	µg/L
				WG-630970-083012-007	2.8 U	µg/L
Metals	09/04/12	Thallium	0.37 J	WG-630970-083012-001	2.0 U	µg/L
				WG-630970-083012-003	2.0 U	µg/L
				WG-630970-083012-004	2.0 U	µg/L
				WG-630970-083012-005	2.0 U	µg/L
				WG-630970-083012-007	2.0 U	µg/L
Metals	09/04/12	Zinc	3.6 J	WG-630970-083012-003	20 U	µg/L
				WG-630970-083012-004	20 U	µg/L
				WG-630970-083012-005	20 U	µg/L
				WG-630970-083012-007	20 U	µg/L
				WG-630970-083012-008	20 U	µg/L

Notes:

J Estimated.
U Non-detect at the associated value.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Parameter</i>	<i>Compound</i>	<i>LCS Date</i>	<i>LCS %Rec</i>	<i>Control Limits %Recovery</i>	<i>Associated Sample ID</i>	<i>Qualified Sample Results</i>	<i>Units</i>
SVOCs	4-Chloroaniline	09/06/12	38	44-110	WG-630970-083012-001	1.9 UJ	µg/L
					WG-630970-083012-002	1.9 UJ	µg/L
					WG-630970-083012-003	1.9 UJ	µg/L
					WG-630970-083012-004	1.9 UJ	µg/L
					WG-630970-083012-005	1.9 UJ	µg/L
					WG-630970-083012-007	1.9 UJ	µg/L
					WG-630970-083012-008	1.9 UJ	µg/L
SVOCs	Caprolactam	09/06/12	19	45-111	WG-630970-083012-001	4.8 UJ	µg/L
					WG-630970-083012-002	4.8 UJ	µg/L
					WG-630970-083012-003	4.8 UJ	µg/L
					WG-630970-083012-004	4.8 UJ	µg/L
					WG-630970-083012-005	4.8 UJ	µg/L
					WG-630970-083012-007	4.8 UJ	µg/L
					WG-630970-083012-008	4.8 UJ	µg/L

Notes:

SVOCs Semi-Volatile Organic Compounds.
LCS Laboratory Control Sample.
UJ Not detected, estimated reporting limit.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE EQUIPMENT BLANK
ANNUAL GROUNDWATER SAMPLING
CASCADES, INC.
DEPEW, NEW YORK
AUGUST 2012

<i>Parameter</i>	<i>Blank Sample ID</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Associated Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
Metals	EB-630970-083012-006	Nickel	0.36 J	WG-630970-083012-001	2.0 U	µg/L
				WG-630970-083012-002	2.0 U	µg/L
				WG-630970-083012-003	2.0 U	µg/L
				WG-630970-083012-004	2.0 U	µg/L
				WG-630970-083012-005	2.0 U	µg/L
				WG-630970-083012-007	2.0 U	µg/L
				WG-630970-083012-008	2.0 U	µg/L

Notes:

U Non-detect at the associated value.
J Estimated.