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A subsidiary of Occidental Petroleum

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January 30, 2015 Reference No. 009954

Mr. Brian Sadowski
NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999

Dear Mr. Sadowski:

Re: 2014 Site Management Periodic Review Report - Love Canal Site

On behalf of Occidental Chemical Corporation, and in compliance with the Love Canal Operation and Maintenance Manual, Conestoga-Rovers & Associates (CRA) is submitting one copy of the 2014 Site Management Periodic Review Report - Love Canal Site.

An electronic copy of the full text, figures, tables, and appendices associated with this report are included on the attached CD as Adobe Acrobat pdf files. If you have any questions, please do not hesitate to call.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

JBranch

Joseph Branch
231-670-6809 (Cell)

JB/adh/9
Encl.

c.c.: C. Babcock, GSH
M. Basile, USEPA
D. Duda, USEPA, Region 2
M. Forcucci, NYSDOH (email)
G. Sutton, NYSDEC Region 9 (CD)
J. Pentilchuk, CRA (letter only)
J. Raby, CRA (letter only)

CONESTOGA-ROVERS & ASSOCIATES

www.CRAworld.com

2014 Site Management Periodic Review Report
Love Canal Site

Glenn Springs Holdings, Inc.
Niagara Falls, New York

Prepared for: Glenn Springs Holdings, Inc.

Conestoga-Rovers & Associates
2055 Niagara Falls Boulevard, Suite 3
Niagara Falls, New York 14304

January 2015 • 009954 • Report No. 29

Partners in Sustainability

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Section 1.0 Introduction

Operation of the Love Canal Site (Site) was transferred from the New York State Department of Environmental Conservation (NYSDEC) to Occidental Chemical Corporation (OCC) in April 1995. Effective July 1, 1998, Site responsibility was assigned by OCC to Glenn Springs Holdings, Inc. (GSH), an affiliate of OCC. Beginning October 1, 2008, GSH contracted Conestoga-Rovers & Associates (CRA) to perform operation, maintenance, monitoring, and reporting activities for the Site under direct management of GSH.

This report is the twentieth annual report prepared by or on behalf of OCC and covers operation, maintenance, and monitoring activities for 2014. The completed 2014 NYSDEC Institutional and Engineering Controls Certification Form is included as Appendix A.

Section 2.0 Remedial Systems

Operation of remedial systems to prevent the off-Site migration of chemical contaminants from the Site began in October 1978 with the installation of a barrier drain along the east and west sides of the South Sector of the Canal. The barrier drain was later extended to completely encompass the entire area of disposed waste within the Central and North Sectors of the Canal. The barrier drain, designed to intercept the shallow overburden lateral groundwater flow, consists of a trench approximately 4 feet wide that varies in depth from approximately 12 to 25 feet deep depending on location at the Site. Installed within the trench is a perforated vitrified clay tile pipe. The pipe is 6-inch diameter in the Central and North Sectors and both 6-inch and 8-inch diameter in the South Sector. The pipe is centered in a minimum of 2 feet of uniformly sized gravel, which is overlain with coarse sand extending to the existing ground surface present at the time of construction. Thirty-two lateral trenches, approximately 12 to 19 feet deep, filled with a minimum of 2 feet of gravel and overlain with sand similar to the barrier drain, were dug perpendicular to the barrier drain in the direction of the Canal. The majority of these laterals extend into the disposed waste. The barrier drain is graded from two highpoints, one in the southeast corner and the other in the northeast corner, toward a series of manholes which drain to four pump chambers (PC-1A/PC-2A in the North/Central Sector and PC-1/PC-2 in the South Sector) where the leachate is collected. The leachate is pumped from the pump chambers to two other pump chambers connected to underground holding tanks (PC-3A in the North/Central Sector and PC-3 in the South Sector) where it is temporarily stored. The leachate is then pumped to the on-Site Love Canal Treatment Facility (LCTF) where it is treated and discharged to the Niagara Falls Water Board (NFWB) sanitary sewer system under the Site's Significant Industrial User (SIU) Permit #44. The locations of the remedial system components are illustrated on the Site Plan presented as Figure 2.1.

The installation of a 22-acre clay cap over the entire former Canal area was completed in October 1980 following completion of the barrier drain collection system. The purpose of the cap is to reduce infiltration of precipitation. The thickness of the clay cap is a minimum of 3 feet. In 1985, a second (40-acre) cap was installed over the initial clay cap area. The newer cap consists of a 40-mil high density polyethylene (HDPE) liner covered by 18 inches of clean soil and vegetation.

In March 1999, the adjacent 102nd Street Landfill Site leachate collection system was connected to the Love Canal Site to facilitate the transfer of leachate from the 102nd Street landfill into Love Canal's pump chamber PC-3 for treatment at the LCTF.

2.1 Operations of the Barrier Drain and Collection System

2.1.1 Barrier Drain System

The barrier drain system continues to function as designed, with no major maintenance required during 2014. Semiannual inspections of the barrier drain components, including manholes and pump chambers, are required by the Site's NYSDEC-approved Operation and Maintenance (O&M) Manual (Miller Springs Remediation Management/GSH, revised May 2014, currently awaiting NYSDEC approval). Inspection of the barrier drain manholes were conducted on June 13 and September 9, 2014, and inspections of the barrier drain pump chambers were carried out on June 13 and December 10, 2014. The visual inspections showed that the flumes of the manholes were flowing freely and required no further maintenance. The visual inspections were documented on the 2014 Semiannual Inspection Forms, which are presented in Appendix B. The manhole locations are presented on Figure 2.2.

2.1.2 Pumping System

The barrier drain system consists of two sectors, the Northern/Central and the Southern. Leachate from the Northern/Central Sector drains to pump chambers PC-1A and PC-2A where it is pumped to pump chamber PC-3A, while leachate from the Southern Sector is pumped from pump chambers PC-1 and PC-2 to the underground storage tank connected to pump chamber PC-3. From pump chambers PC-3 and PC-3A, the leachate is then transferred through a below ground metering chamber outside the LCTF on the southeast corner of the building and then into the LCTF for treatment. The pumping system was operational and functioned as designed throughout 2014.

2.1.3 102nd Street Landfill Forcemain

The leachate forcemain construction was completed in March 1999 and is used for the transfer of leachate from the 102nd Street Landfill to the LCTF. The forcemain begins at the northwest

corner of the 102nd Street Landfill and extends northward beneath River Road, LaSalle Expressway, and Frontier Avenue to pump chamber PC-3 at the Site. During 2014, the leachate collection system at 102nd Street pumped 233,130 gallons of leachate to the LCTF.

Section 3.0 Groundwater Treatment and Monitoring

3.1 Groundwater Treatment

3.1.1 Treatment System

The LCTF consists of clarification, bag filtration, and carbon treatment prior to discharge to the NFWB sanitary sewer system. A process schematic depicting the layout of the treatment system is presented as Figure 3.1.

Treated water from the Site is discharged to the NFWB sanitary sewer system as authorized by the Site's SIU Permit #44. In 2010, the NFWB reissued Permit #44 to OCC for an additional 5 years. The permit is valid from January 8, 2010 through January 8, 2015. A copy of the permit is included as Appendix C. A renewed permit was issued on January 5, 2015, and is valid from January 9, 2015 to January 9, 2020.

3.1.2 Effluent Discharge

The LCTF discharged to the NFWB sanitary sewer system 186 days in 2014.

Under high stormwater flow events, the NFWB periodically requires that the LCTF temporarily cease discharging to the sewer system. During an event of this type, the barrier drain pumping system will continue to operate and maintain a protective inward hydraulic gradient to capture leachate. The NFWB did not require a cease in discharge from the LCTF during 2014.

In 2014, the LCTF processed a total of 3,689,013 gallons of leachate. This total was comprised of 3,455,883 gallons of leachate from the Site and 233,130 gallons of leachate from the 102nd Street Landfill.

Table 3.1 shows the monthly total and average treated groundwater quantities from 2000 through 2014.

3.1.3 Effluent Sampling

Sampling of the effluent discharged to the NFWB sanitary sewer system occurred quarterly as required under the Site's SIU Discharge Permit #44. The quarterly effluent sampling for 2014

was performed on March 13, June 10, September 3, and December 11, 2014. The sample results were submitted to the NFWB quarterly as required by the permit. The results for each event were in compliance with the requirements of the Site's SIU permit.

3.1.4 Precipitation

In 2014, precipitation in the Niagara Falls region totaled 35.12 inches (Niagara Falls International Airport, National Climatic Data Center). Table 3.1 provides historic regional precipitation data from 2000 through 2014. It should be noted that past Annual Reports presented preliminary data from the National Weather Service Buffalo, taken 15.0 miles away at the Buffalo-Niagara International Airport. This report instead presents official, validated precipitation data from the National Climatic Data Center, collected only 1.6 miles away at the Niagara Falls International Airport. Both past and current data were changed to this closer, officially validated data source.

3.2 Groundwater Monitoring

Groundwater monitoring consists of both chemical monitoring to determine groundwater quality and hydraulic monitoring to demonstrate that the barrier drain is creating hydraulic containment. Monitoring and analytical protocols for the Site's groundwater monitoring program have been established and are set forth in the "Sampling Manual, Love Canal Site, Long-Term Groundwater Monitoring Program" (LTGMP), revised June 2013.

The monitoring results for 2014 are presented in the following sections.

3.2.1 Groundwater Quality

Chemical monitoring is performed annually by sampling select overburden and bedrock monitoring wells at the Site. On March 25, 2009, the NYSDEC communicated via email to GSH that the NYSDEC would no longer be providing an annual well sampling list for chemical monitoring and directed GSH to use the wells sampled in 2007 and 2008 for all future sampling events. Subsequent discussions between GSH and the NYSDEC regarding the well sampling list led to this decision being documented in an August 5, 2010 memo titled "Love Canal Annual Groundwater Sampling Schedule," presented in Appendix D.

It should be noted that overburden well 3151 is included on the Appendix D list; however, this well was noted in 2007 as "Well no longer available – destroyed" and cannot be located. Therefore, this well has not been sampled since 2007. In addition, overburden well 10178A and bedrock wells MW-01 and MW-02 were added to the annual sampling program in 2011.

The 2014 annual groundwater chemical monitoring event was performed between June 9 and July 9, 2014. As part of the annual groundwater chemical monitoring efforts in 2014, 32 observation wells were sampled. As part of the LTGMP, the NYSDEC has the option of collecting split samples during the annual event and having those samples analyzed independently to verify data. No split samples were collected by NYSDEC during the 2014 annual sampling event.

Between June 9 and July 9, 2014, groundwater samples were collected from 12 overburden and 20 bedrock observation wells in support of the LTGMP. The samples were submitted to TestAmerica Laboratories, Inc. (TA), located in Pittsburgh, Pennsylvania. TA is a New York State Department of Health (NYSDOH) approved laboratory certified under the National Environmental Laboratory Approval Program (NELAP). The samples were analyzed for Site-specific volatiles, semi-volatiles, pesticides, and polychlorinated biphenyls (PCBs). The raw data laboratory package is presented on a CD in Appendix E. A CRA chemist performed the analytical Quality Assurance/Quality Control (QA/QC) review and data validation. The QA/QC report for this event is presented in Appendix F.

Figure 3.2 identifies the wells sampled and their locations. The Love Canal Annual Groundwater Sampling Schedule is presented in Appendix D. Table 3.2 provides a summary of the overburden wells that were sampled, the analytical data, and a summation of the number of compounds found at or above the detection limits in each well. Table 3.3 provides a summary of the bedrock wells that were sampled, the analytical data, and a summation of the number of compounds found at or above the detection limits in each well.

3.2.1.1 Overburden Monitoring Wells

The 2014 groundwater analytical results for the overburden monitoring wells (Table 3.2) are consistent with previous long-term monitoring analytical results. The analytical results were non-detect or were detected at low levels consistent with concentrations detected during previous monitoring events (with the exception of groundwater from well 10135, which is installed in an area of known Site impacts).

Historically, well 10135 has had the most detected compounds and the highest concentrations. This well is located in the southwestern portion of the Site and within the fenced boundaries of the Site. Although located outside the barrier drain, well 10135 is within the influence of the barrier drain based on hydraulic monitoring conducted at adjacent nested piezometer string 1160. As stated in the LTGMP, well 10135 is located in an area of known contamination and is sampled to present a representative control well. In 2014, well 10135 had 23 compounds detected. Table 3.4 presents a summary of detected compounds.

3.2.1.2 Bedrock Monitoring Wells

The 2014 groundwater analytical results for the bedrock monitoring wells (Table 3.3) are consistent with previous long-term monitoring analytical results. Parameter concentrations were either non-detect or detected at low levels consistent with concentrations detected during previous monitoring events. In 2012, hexachlorobenzene was detected at monitoring well 10225A at a concentration of 3.6 micrograms per liter (μg/L), within the historic non-detect range of 1.9 U to 10 U. In 2014, hexachlorobenzene was non-detect at well 10225A (1.9 U) and remained non-detect at the adjacent bedrock wells 10225B and 10225C. Well 10225A will continue to be monitored annually for groundwater quality according to the NYSDEC-approved groundwater sampling program. Table 3.4 presents a summary of detected compounds.

3.2.1.3 Historic Compound Detections

Table 3.5 presents a summary of detected compounds of four long-term monitoring wells, including three bedrock wells and one overburden well (bedrock wells 10210A, 10210B, and 10210C, and overburden well 10135) from 1990 to 2014. The data from these four wells are presented because they have the most consistent historical record of compound detections compared to the other overburden and bedrock wells. The data from the additional Site wells not presented in Table 3.5 are typically non-detect or demonstrate sporadic low level detections and, therefore, do not present useful data in regards to a discussion of historical analytical trends at the Site. An evaluation of the 2014 sampling data for these four wells shows that the compounds detected in 2014 are present at sporadic low level concentrations or concentrations consistent with historical trends.

3.2.2 Hydraulic Containment

Hydraulic monitoring consists of water level measurements conducted quarterly from six nested piezometer strings (1140, 1150, 1160, 1170, 1180, and 1190) per the NYSDEC-approved LTGMP, as well as water level measurements collected from three wells (7161, 9130, and 9140) in June 2014 as requested by the NYSDEC. In 2014, water levels were measured in March, June, September, and December. These water level data are presented in Tables 3.6A to 3.6F. The wells on the tables are ordered from the well furthest from the outside of the barrier drain to the well inside the area enclosed by the barrier drain. Figures 3.3 to 3.8 show the overburden groundwater flow conditions for June 2014 at the six nested piezometers string locations.

A review of the piezometer string groundwater elevation data from the remaining three quarters (March, September, and December 2014) demonstrates that the data from those monitoring periods is consistent with the June 2014 data.

In addition to the above-mentioned information, a groundwater contour figure was prepared using the June 2014 water levels from the six nested piezometer strings and three additional wells (7161, 9130, and 9140), as requested by NYSDEC. The June 2014 groundwater contour figure is presented as Figure 3.9.

The groundwater contour figure and Tables 3.6A to 3.6F illustrate that there is a minimum of 3.70 feet of inward gradient outside of the barrier drain at each of the six nested piezometer strings. The term "feet of inward gradient" means the minimum difference in groundwater elevation between the wells on the outside of the barrier drain and the water level within the barrier drain, with the water level within the barrier drain representing the lowest water level elevation. This demonstrates that groundwater on the outside of the barrier drain (off-Site groundwater) is flowing toward and downward into the barrier drain. Based on the water level data from the six nested piezometer strings, an inward gradient can be inferred to exist around the collection drain system, demonstrating that the horizontal groundwater flow outside of the barrier drain is towards the barrier drain. A review of Figure 3.9 shows that groundwater flow on the inside of the barrier drain is also towards the barrier drain. Therefore, the barrier drain and lateral trenches are capturing leachate from the landfill area and a portion of groundwater outside the barrier drain, thereby preventing off-Site migration of chemicals and preventing off-Site groundwater from migrating into the landfill area. Monitoring will continue during 2015 as per the NYSDEC-approved LTGMP.

3.2.3 Well Maintenance

The 2014 well inspections identified the need for routine maintenance on several wells at the Site. This maintenance was conducted during the summer and fall of 2014 and included the following:

- J-plugs were replaced at 14 wells due to normal wear
- Additional minor maintenance work was required at several wells, including painting well risers, replacement of well caps, etc.

3.2.4 Summary of Treatment and Monitoring Results

The volume of effluent discharge from the LCTF decreased from 5,087,758 gallons in 2013 to 3,689,013 in 2014, a number consistent with volumes from previous years with similar precipitation levels. Quarterly sampling and analysis found that all chemistry detected in the effluent samples for each event was either non-detect or present at very low levels within historic ranges.

The inward hydraulic gradient observed at each of the six nested piezometer strings demonstrates that the barrier drain is effectively capturing leachate from the Site and preventing off-Site migration of chemicals. The analytical results from the monitoring wells sampled were either non-detect for all analytes, or any chemistry detected within the monitoring wells was present at low levels below and consistent with concentrations from previous years (with the exception of groundwater from well 10135, discussed in Section 3.2.2), further illustrating containment.

The presence of an overall inward hydraulic gradient towards the barrier drain and a review of groundwater quality for the groundwater monitoring wells demonstrate overall Site containment.

Section 4.0 Activities

Summaries of normal activities and repairs performed in 2014 are presented below.

4.1 Process Activities

Process activities that occurred during the year included the following:

- Removal and disposal of hazardous waste
- Cleaning of all pump chambers
- Cleaning of all storage tanks
- Calibration of flow totalizers
- Repair and reprogramming of automatic valves
- Repair of feed pump leak
- Maintenance of heat trace systems
- Repair of PC3 pump controls

4.2 Non-Process Activities

Non-process activities that occurred during the year included the following:

- Preventative maintenance
- Repair of water line heat tracing in drum barn
- Repair of automatic gate and fence
- Inspection and repair backflow preventers

- Repair of heating system in drum barn
- Landscaping maintenance including grass cutting and tree and flower bed maintenance
- Heating and cooling system maintenance

4.3 Community Outreach

Community Outreach programs have included such activities as beautification of the area surrounding the Site and tours of the facility.

4.3.1 Beautification

The following beautification activities were conducted at Love Canal in 2014:

- Maintenance and landscaping of the Site and surrounding areas
- Maintenance of flower beds and shrubs along Colvin Boulevard, 95th Street, and Frontier Avenue
- Cleanup of discarded debris along fence line

4.3.2 Tours

Tours of the facility have been given throughout the years to representatives of various environmental agencies (domestic and foreign) and educational groups. The tours include an informational orientation, accompanied with visual aids, followed by a guided tour of the treatment facility and landfill. No tours were given in 2014.

4.3.3 Communications

All required reports were prepared and submitted to various agencies throughout the year. Reports included the 2013 Annual Hazardous Waste Report to the NYSDEC, the 2013 Periodic Review Report (formerly titled the Annual Operations and Monitoring Report) to various agencies, quarterly SIU analytical reports to the NFWB and NYSDEC, and monthly SIU reports to the NFWB.

The Love Canal Annual Newsletter for 2013 was issued to surrounding citizens and agencies in May 2014. The report summarizes items such as the amount of groundwater treated on Site and then discharged to NFWB's sanitary sewer system, maintenance activities, and other non-operational activities for the year.

4.4 Waste Generation

Throughout 2014, both hazardous and nonhazardous waste was generated from various activities and disposed of off Site in accordance with applicable laws and regulations.

The tracking of hazardous waste is performed by regulated hazardous waste manifests. A summary of the Site's annual hazardous waste generation is reported to the NYSDEC in the Annual Hazardous Waste Report. The Annual Hazardous Waste Report summarizes the quantities, transporters, and disposal methods.

A total of 27,485 pounds of hazardous waste was generated from various activities. The waste materials were then sent off Site for proper disposal in accordance with applicable laws and regulations. Wastes generated in 2014 were transported and disposed of through incineration or landfill impoundment by Clean Harbors, LLC.

The hazardous waste disposed of in 2014 consisted of soil/debris and non-aqueous phase liquid (NAPL), broken down as follows:

- Soil/Debris: 335 pounds (consisting of personal protective equipment [PPE]) and spent filters from operations)
- NAPL: 7,150 pounds (NAPL collected from 102nd Street)
- NAPL Sludge: 20,000 pounds (collected from LCTF process)

4.5 Routine Operations, Inspections, and Monitoring

A daily inspection of the system operations was performed for each day in 2014 in accordance with the O&M Manual for the Love Canal Site, dated May 2014. Inspection records are available upon request.

Monthly inspections of the fire extinguishers and monthly checks of the carbon vapor phase vent for breakthrough were also completed in accordance with the O&M Manual. Inspection records are available upon request.

The NFWB performed an annual inspection of the LCTF on January 6, 2014 and verification sampling of the effluent discharge on February 25, 2014. The inspection and the annual effluent verification sampling concluded that the Site is being maintained and operated in accordance with the Site's SIU discharge permit and other local, State, and Federal requirements. The completed NFWB 2014 Inspection Form is included in Appendix G.

The United States Environmental Protection Agency (USEPA) conducted their 5-Year review inspection of the Site on July 11, 2013. Representatives of the USEPA, NYSDEC, Niagara County Department of Health, GSH, and CRA were in attendance. No issues were identified. The "Five-Year Review Report – Love Canal Superfund Site" was finalized on January 15, 2014. The report concluded:

"Based upon the results of this review, the U.S. Environmental Protection Agency concludes that the remedies implemented at this Site adequately control exposures of Site contaminants to human and environmental receptors to the extent necessary for the protection of human health and the environment. The continued operation and maintenance at the Site ensures that there are no site-related exposures of hazardous material to human or environmental receptors".

The NYSDEC conducted a Site inspection on June 26, 2014. The inspection included a review of upgrades made to components of the pumping and treatment system in 2013. No issues were identified and there were no requests for additional actions to be taken.

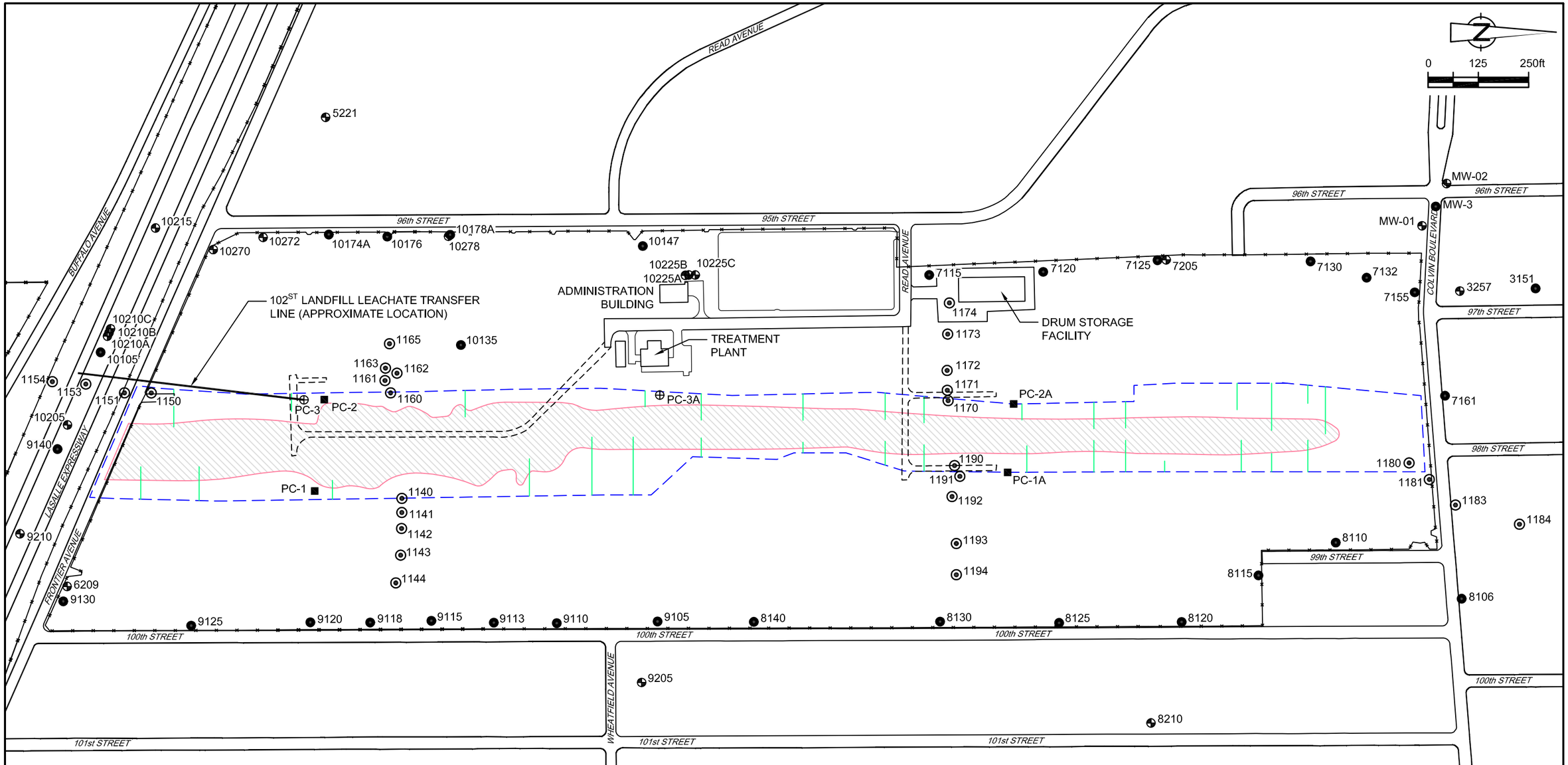
The backflow preventer system on the potable water supply lines was inspected and tested by CamTech Plumbing and Mechanical (CamTech) on March 25, 2014. CamTech is licensed and certified by the NFWB to perform the backflow preventer system inspections. All five backflow prevention devices were found to be operational with no maintenance required. A copy of the 2014 Test and Maintenance of Backflow Prevention Device Report for each device is presented in Appendix H.

The annual fire system inspection was conducted on May 6, 2014. No issues were identified.

Section 5.0 Conclusion

The 2014 monitoring results show that there has been no significant change in chemical concentration conditions and that the barrier drain system is successfully capturing leachate from the Site and preventing off-Site migration of contamination. The barrier drain continues to create an inward hydraulic gradient and capturing leachate from the Site and preventing off-Site migration of chemicals, as evidenced by the groundwater gradients depicted on Figures 3.3 to 3.9 and analytical data from observation wells around the perimeter of the Site. The collection system is functioning as designed based on groundwater monitoring results and third party inspections by the NYSDEC. The treatment system is functioning as designed based on inspections and sampling by the NFWB and sampling by GSH. Effluent quality is compliant with the Site's SIU discharge permit. There were 3,689,013 gallons of leachate collected, treated, and discharged from the Site, of which 3,455,883 gallons of leachate were collected from the Site, and the remaining 233,130 gallons were collected from the 102nd Street Site and

pumped to the LCTF for treatment. Monitoring results continue to confirm that the remediation and containment system (i.e., the leachate collection and treatment system) is functioning properly.



LEGEND

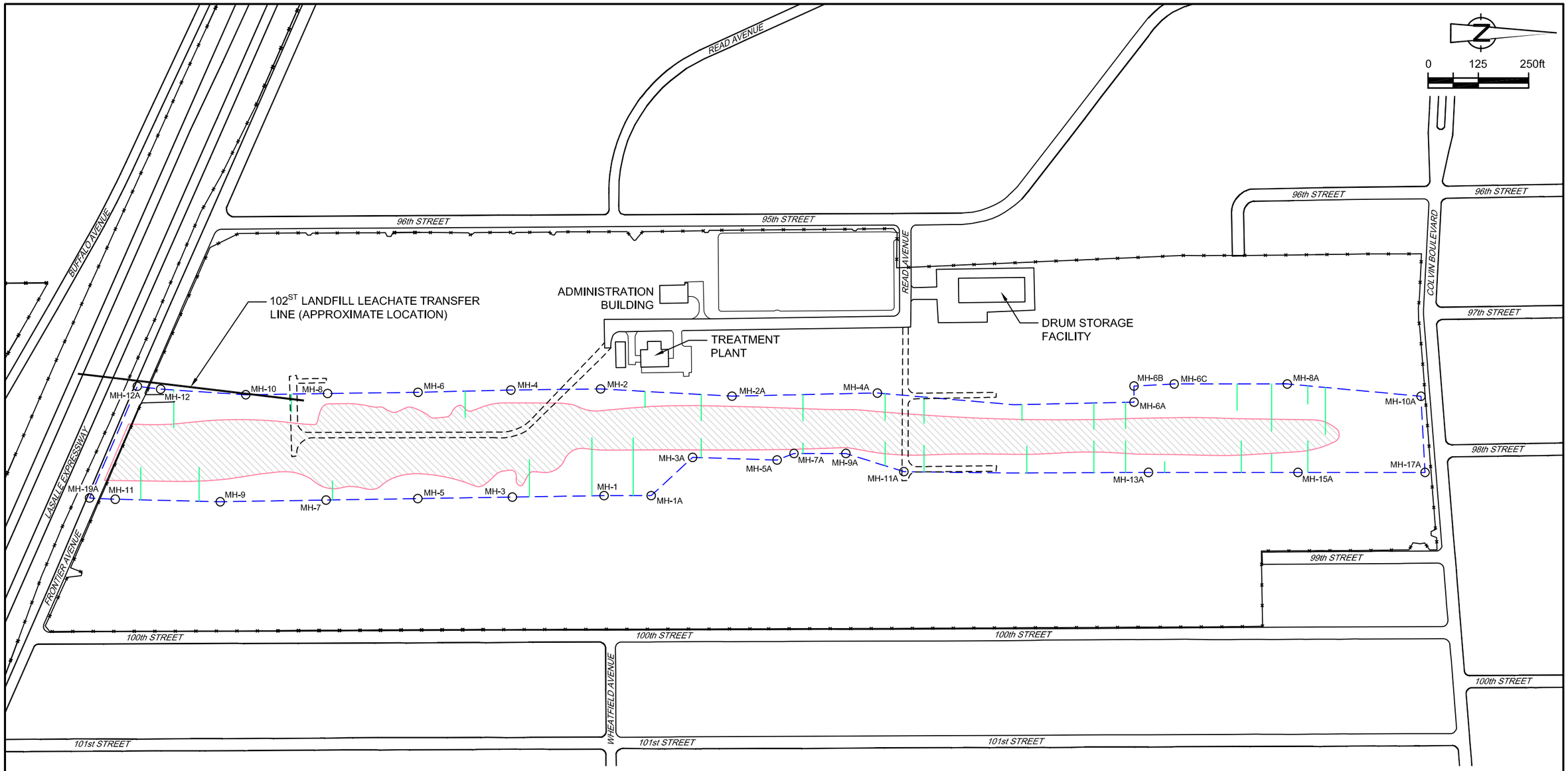
FENCE LINE	10270 BEDROCK OBSERVATION WELL
BARRIER DRAIN	PC-1 PUMP CHAMBER FOR LEACHATE COLLECTION
LATERAL TRENCH	PC-3 PUMP CHAMBER / UNDERGROUND LEACHATE STORAGE TANK FOR LEACHATE COLLECTION AND TRANSFER
7105 PIEZOMETER	APPROXIMATE LIMITS OF DISPOSED WASTE
9120 OVERBURDEN OBSERVATION WELL	

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 2.1

SITE PLAN
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA002 DEC 30/2014



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- APPROXIMATE LIMITS OF DISPOSED WASTE
- MH-1 MANHOLE LOCATION

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 2.2

MANHOLE LOCATIONS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA003 DEC 30/2014

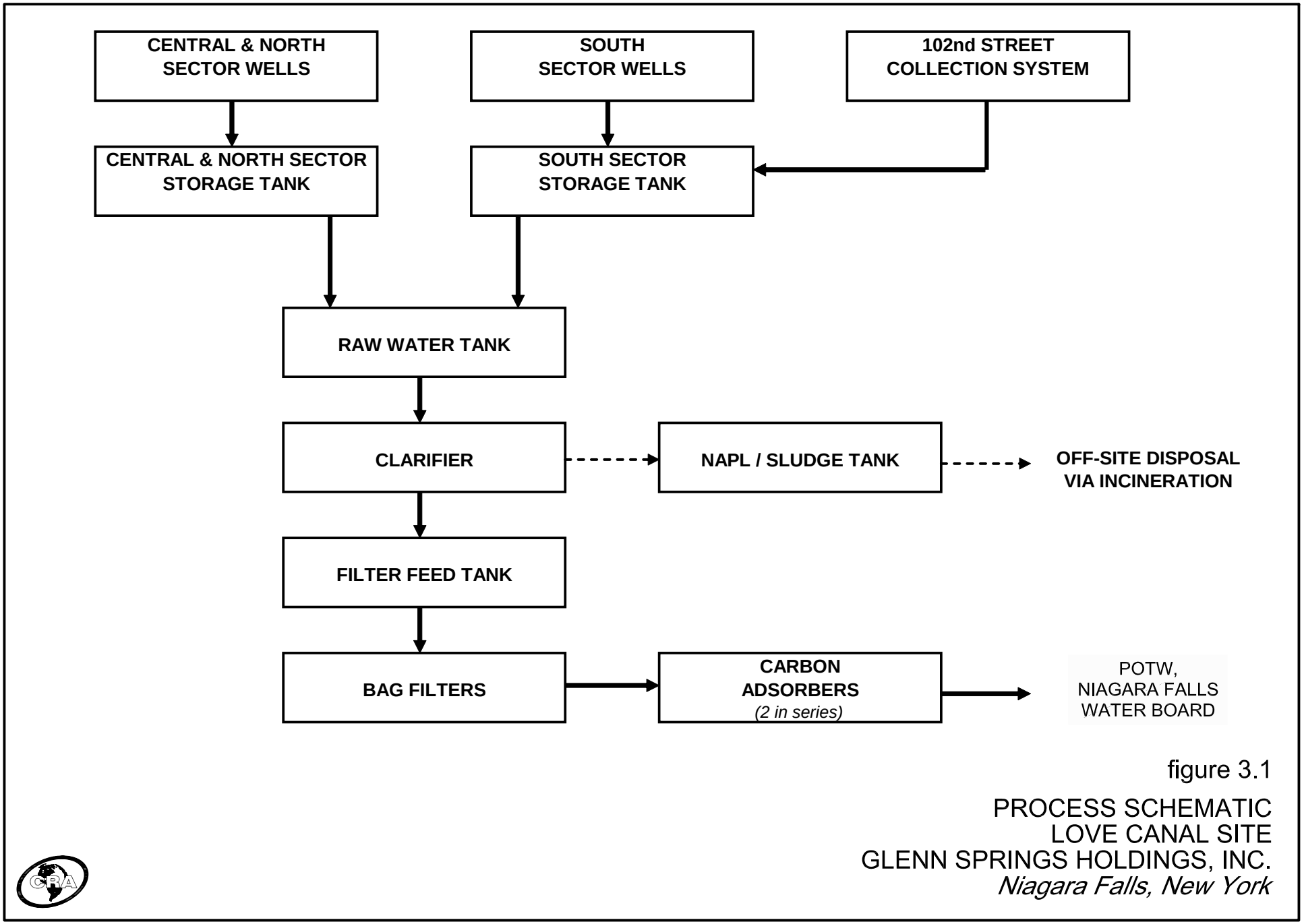
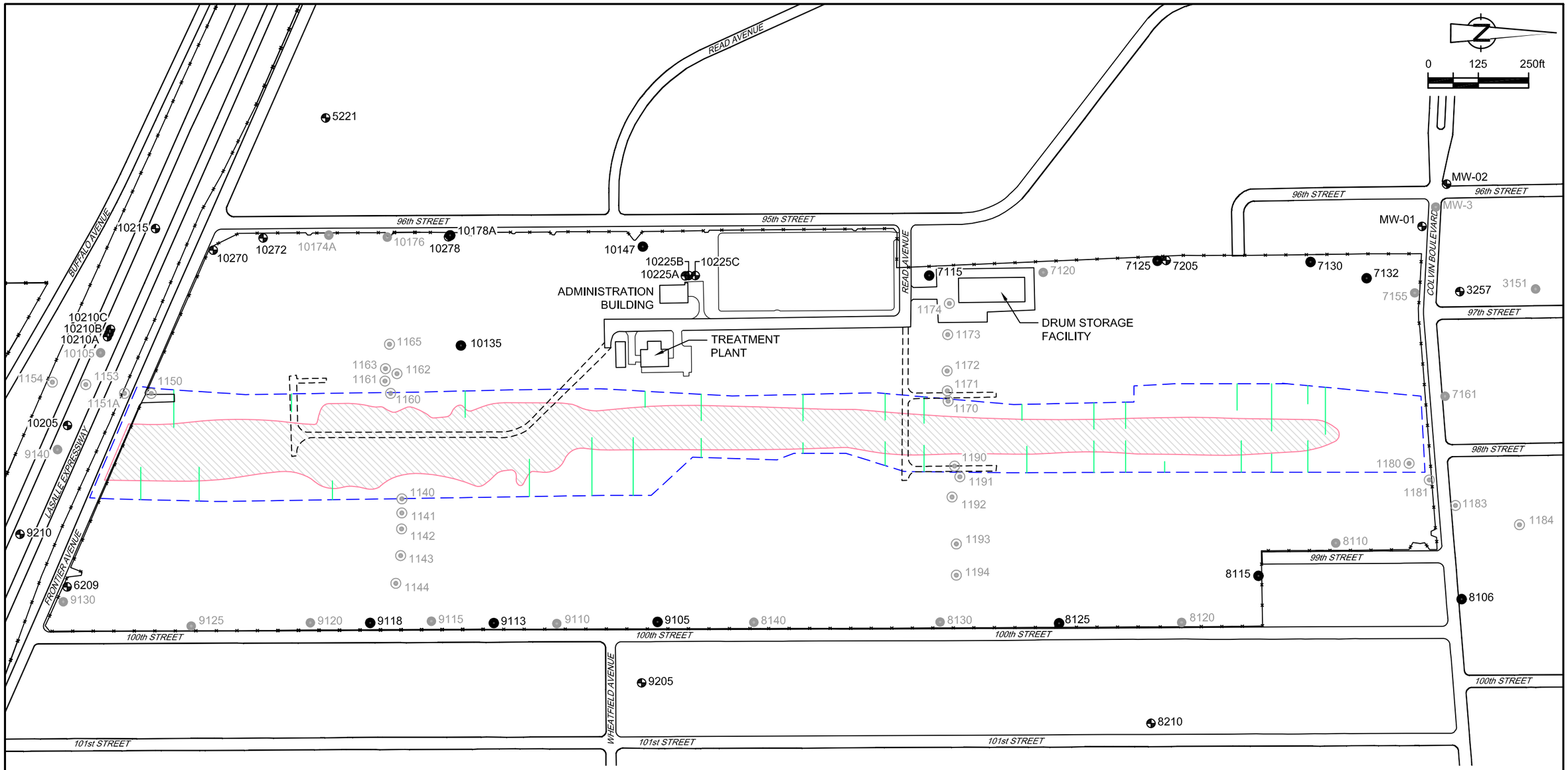


figure 3.1

PROCESS SCHEMATIC
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- 7105 PIEZOMETER
- 9122 OVERBURDEN OBSERVATION WELL
- 5222 BEDROCK OBSERVATION WELL
- 9205 OVERBURDEN OBSERVATION WELL SAMPLED IN 2014
- 10270 BEDROCK OBSERVATION WELL SAMPLED IN 2014
- APPROXIMATE LIMITS OF DISPOSED WASTE

NOTE:
WELL 3151 IS UNABLE TO BE LOCATED
(ASSUMED TO BE PAVED OVER)

figure 3.2

2014 GROUNDWATER MONITORING LOCATIONS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA005 DEC 30/2014

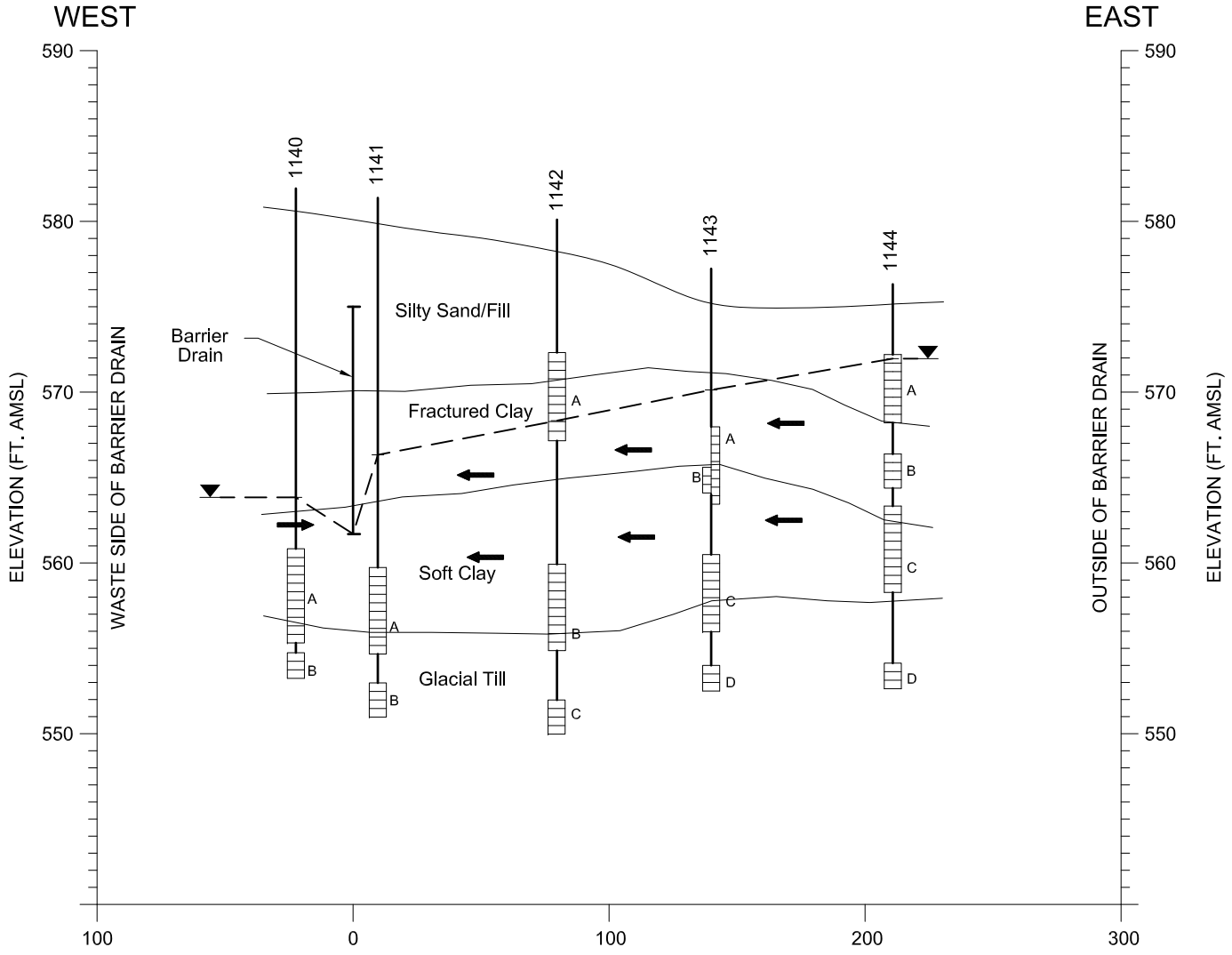


figure 3.3

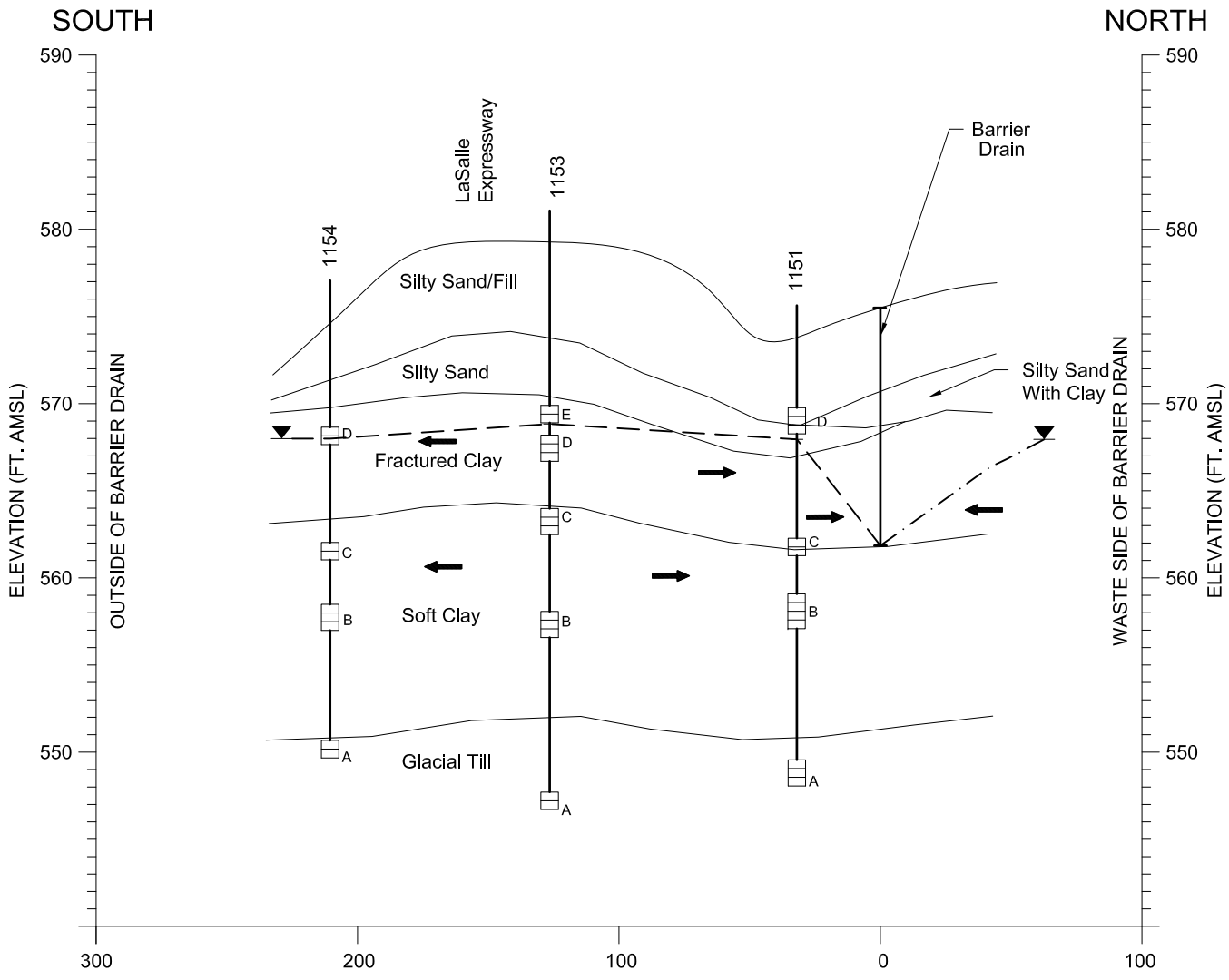
JUNE 2014 FLOW DIAGRAM
1140 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

LEGEND

- A — PIEZOMETER DESIGNATION
- — — — GROUNDWATER LEVEL
- ➡ FLOW DIRECTION
- SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.



LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

ESTIMATED GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

figure 3.4

JUNE 2014 FLOW DIAGRAM 1150 SERIES PIEZOMETERS LOVE CANAL SITE GLENN SPRINGS HOLDINGS, INC.

Niagara Falls, New York

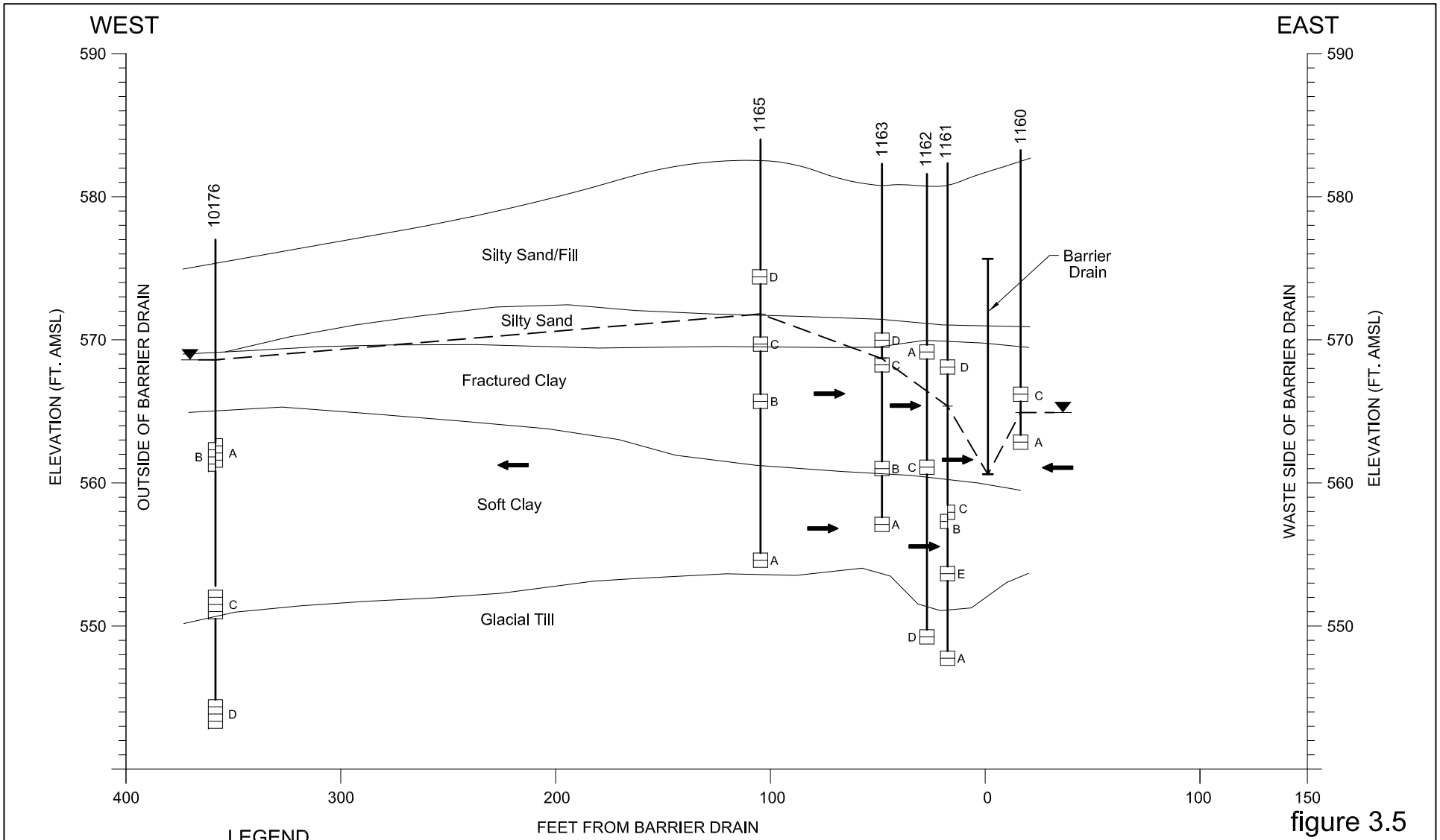


figure 3.5

LEGEND

A — PIEZOMETER DESIGNATION

— — — GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

(3) WELL SCREEN 1163 D MOVED UP TO MATCH FIELD MEASUREMENTS.

JUNE 2014 FLOW DIAGRAM
1160 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

09954-D23101(029)GN-WA008 DEC 30/2014

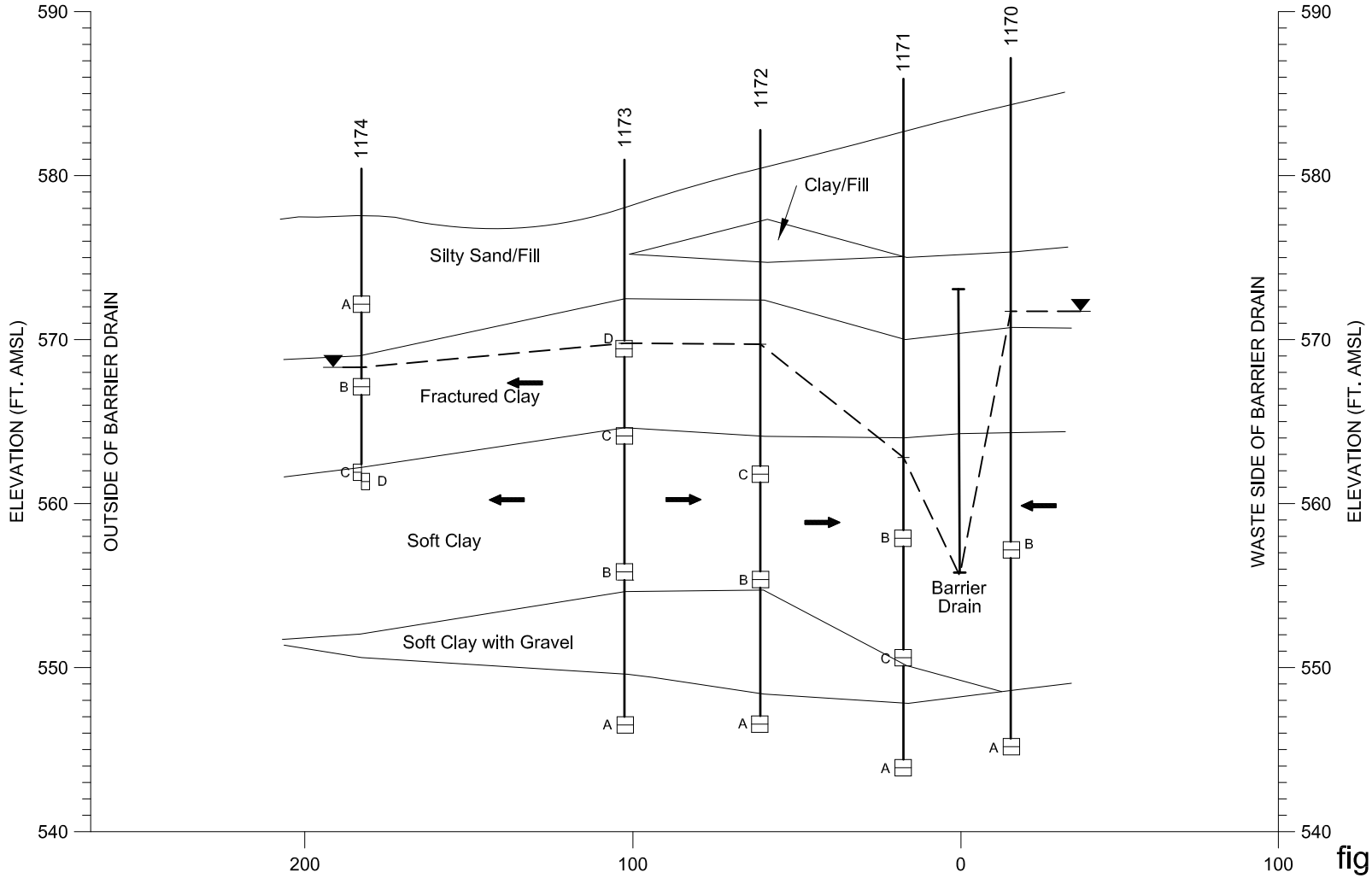


figure 3.6

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

JUNE 2014 FLOW DIAGRAM
1170 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

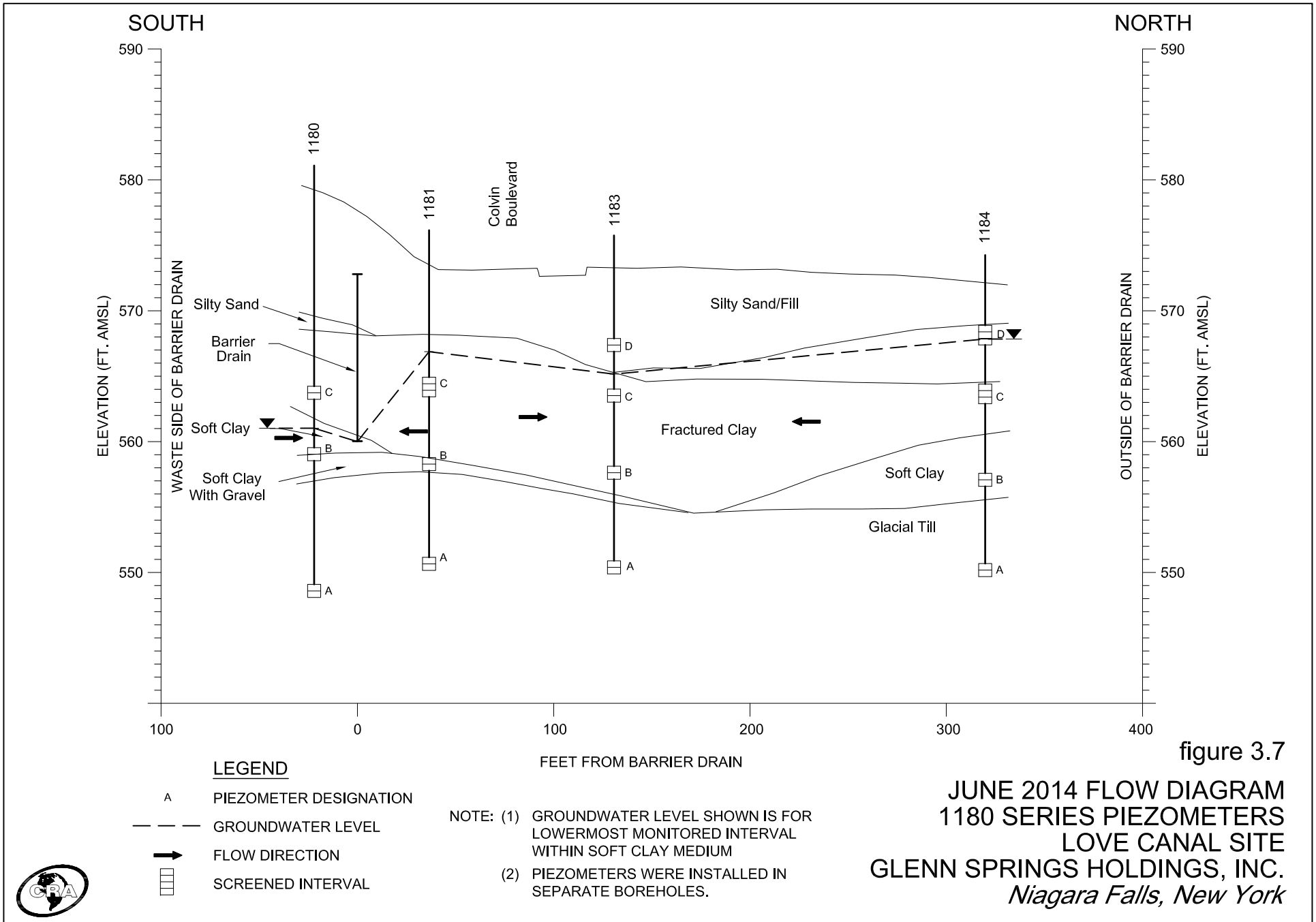


figure 3.7

JUNE 2014 FLOW DIAGRAM
1180 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

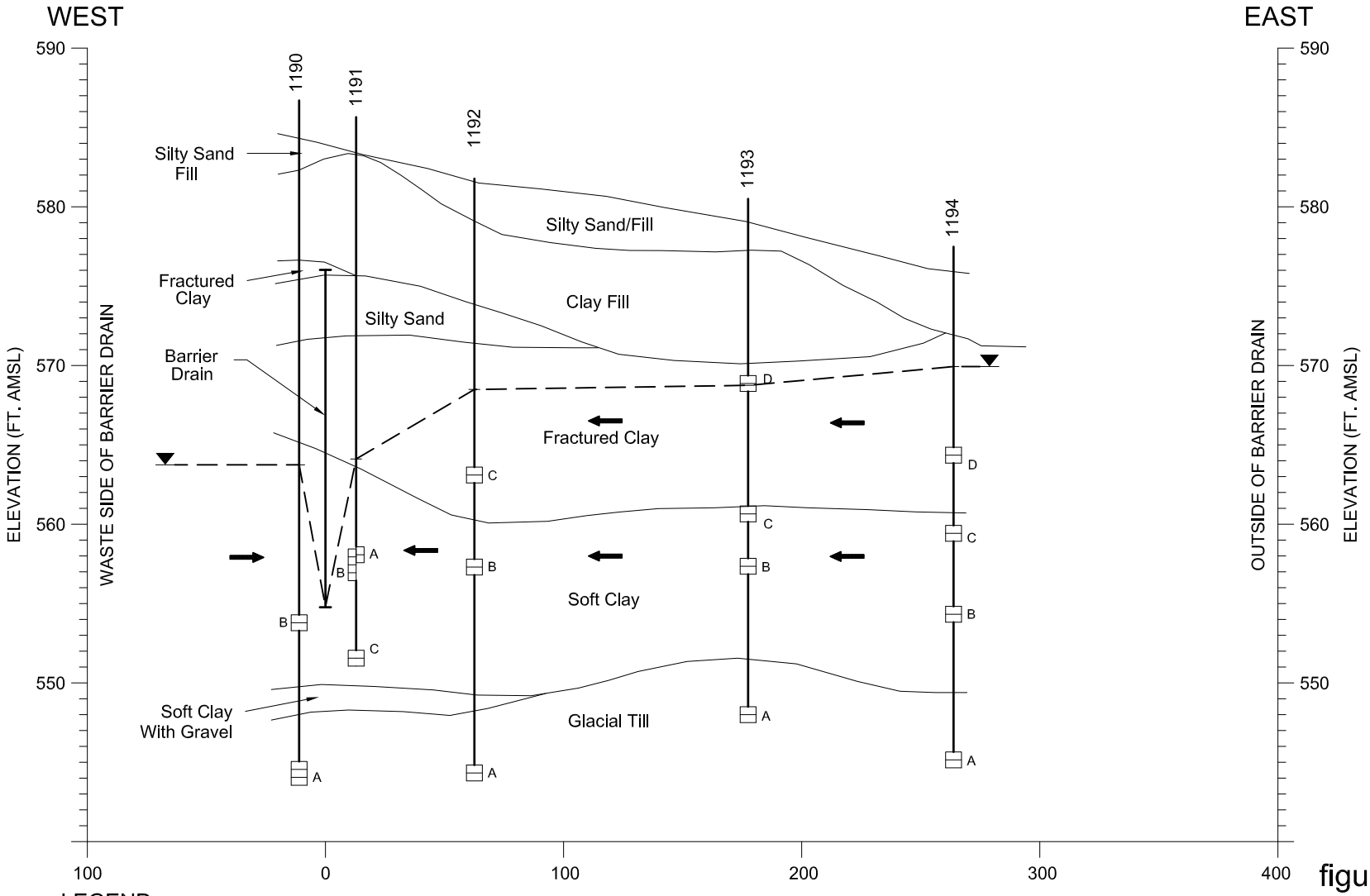


figure 3.8

LEGEND

A PIEZOMETER DESIGNATION

GROUNDWATER LEVEL

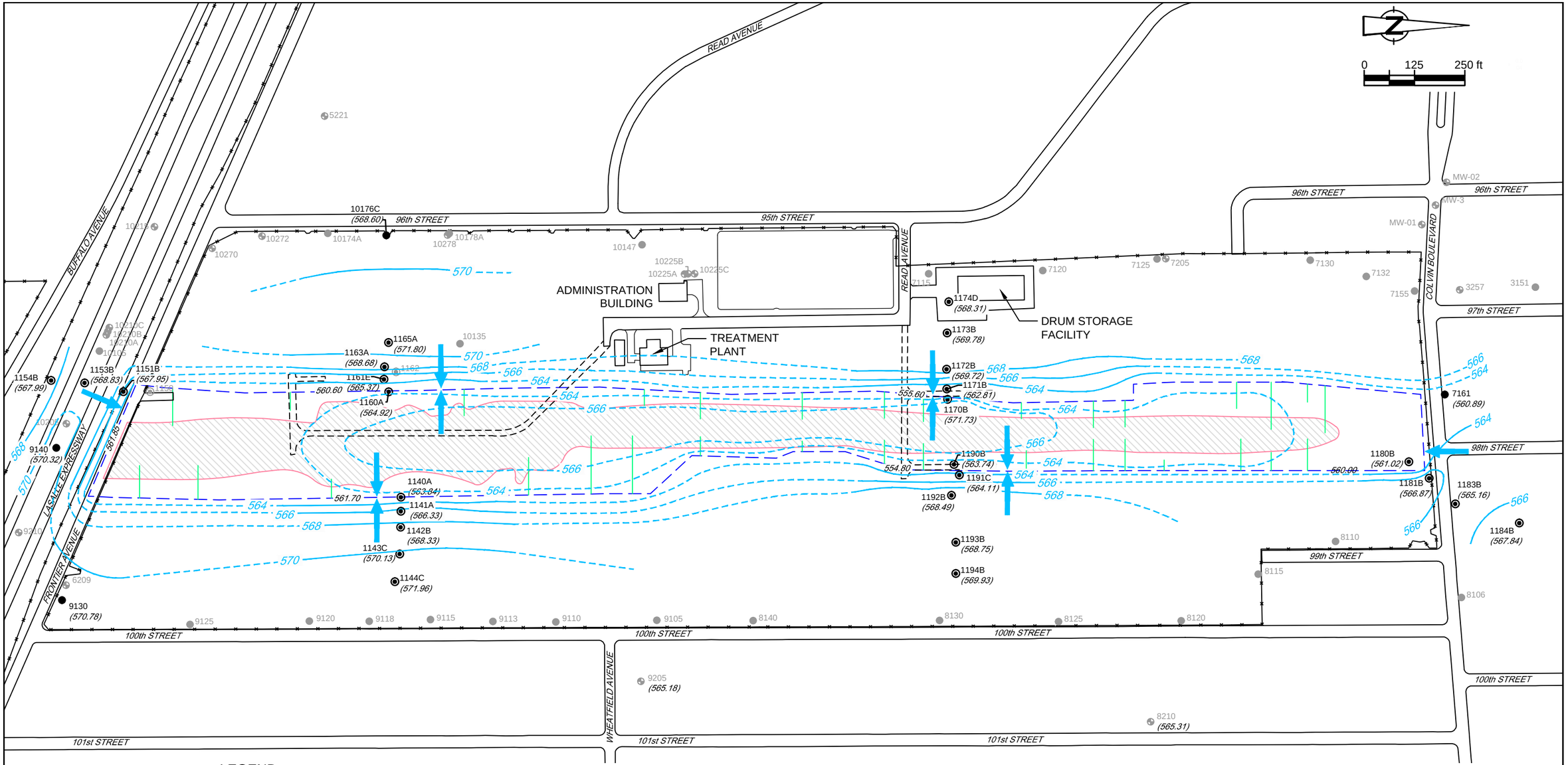
FLOW DIRECTION

SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR LOWERMOST MONITORED INTERVAL WITHIN SOFT CLAY MEDIUM

(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

JUNE 2014 FLOW DIAGRAM
1190 SERIES PIEZOMETERS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York



LEGEND

- FENCE LINE
- BARRIER DRAIN
- LATERAL TRENCH
- 7105 — PIEZOMETER
- 9120 — OVERBURDEN OBSERVATION WELL
- 7105 — PIEZOMETER (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 9120 — OVERBURDEN OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- 5222 — BEDROCK OBSERVATION WELL (NOT PART OF HYDRAULIC MONITORING PROGRAM)
- APPROXIMATE LIMITS OF DISPOSED WASTE
- (571.53) — GROUNDWATER ELEVATION (JUNE 2014)
- 566 — GROUNDWATER CONTOUR (JUNE 2014)
- INFERRED GROUNDWATER CONTOUR (JUNE 2014)
- GROUNDWATER FLOW DIRECTION
- 554.80 — ELEVATION OF THE BOTTOM OF THE BARRIER DRAIN

figure 3.9

JUNE 2014 GROUNDWATER CONTOURS
LOVE CANAL SITE
GLENN SPRINGS HOLDINGS, INC.
Niagara Falls, New York

TABLE 3.1

MONTHLY VOLUMES OF GROUNDWATER TREATED
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

			2000	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*
January	Gross		**495,800**	**396,900**	**488,900**	**419,400**	**309,200**	**841,400**	**855,900**	**993,400**	**674,000**	**523,500**	**534,400**	**346,900**	**571,900**	**600,400**	**519,614**
	Net	(1)	280,364	282,480	422,682	374,123	260,171	796,518	817,305	970,918	649,777	495,713	471,805	322,994	546,816	575,767	499,889
	Days	(2)	21	20	21	14	10	17	16	20	18	16	17	18	15	18	20
February	Gross	(3)	**480,400**	**560,000**	**663,700**	**266,300**	**330,000**	**440,200**	**437,300**	**216,600**	**570,000**	**506,700**	**314,300**	**375,800**	**656,700**	**495,900**	**291,292**
	Net		368,492	468,863	608,116	231,049	291,082	401,137	405,124	174,776	539,772	485,869	276,643	349,712	634,167	478,434	277,226
	Days		21	19	20	13	9	11	9	7	16	13	10	19	16	19	15
March	Gross		**505,500**	**616,400**	**364,900**	**721,500**	**1,038,400**	**698,900**	**436,800**	**582,500**	**570,500**	**606,900**	**550,100**	**1,003,700**	**384,500**	**488,000**	**388,937**
	Net		290,501	493,476	316,696	667,337	986,332	667,105	402,047	560,237	550,518	582,109	526,021	978,000	363,378	467,083	375,154
	Days		23	21	21	17	21	13	13	16	12	18	17	21	16	20	17
April	Gross		**675,600**	**352,300**	**689,700**	**432,800**	**800,400**	**805,300**	**184,800**	**447,200**	**602,000**	**414,900**	**498,200**	**676,400**	**334,400**	**533,800**	**786,808**
	Net		547,926	262,946	629,683	380,745	767,982	769,514	155,028	420,133	574,359	377,080	466,778	652,656	316,188	516,478	768,257
	Days		20	20	20	16	17	14	6	14	12	16	15	11	18	22	20
May	Gross		**473,300**	**311,200**	**589,500**	**425,400**	**326,500**	**183,400**	**121,800**	**323,200**	**172,900**	**306,200**	**379,400**	**942,700**	**363,100**	**148,500**	**444,598**
	Net		335,331	207,580	532,251	379,299	294,612	156,846	93,394	297,471	147,715	267,700	348,837	917,206	341,424	129,687	428,177
	Days		20	17	20	14	10	5	4	12	11	14	18	17	16	18	21
June	Gross		**632,200**	**202,200**	**395,100**	**367,900**	**253,200**	**160,800**	**130,700**	**173,300**	**128,700**	**110,000**	**205,200**	**473,100**	**142,000**	**497,300**	**168,921**
	Net		486,721	132,132	347,485	303,576	208,659	118,979	104,449	148,638	107,411	79,200	174,305	449,046	118,568	478,285	152,639
	Days		20	16	14	13	9	6	5	4	6	7	13	16	12	18	12
July	Gross		**333,900**	**182,200**	**194,500**	**187,700**	**137,700**	**92,600**	**195,500**	**129,100**	**164,760**	**187,900**	**85,600**	**79,700**	**98,400**	**280,000**	**151,772**
	Net		184,955	111,941	145,344	142,849	111,217	78,234	183,084	99,026	141,442	153,170	55,670	53,632	72,435	260,823	123,921
	Days		20	16	16	11	7	3	5	6	6	7	4	5	9	19	15
August	Gross		**437,100**	**267,200**	**151,300**	**158,600**	**301,900**	**98,800**	**322,440**	**120,800**	**197,340**	**369,400**	**184,300**	**193,900**	**73,960**	**193,144**	**98,166**
	Net		286,925	194,821	107,928	114,497	269,934	55,055	293,900	106,040	191,068	347,425	162,562	166,652	49,422	168,418	83,010
	Days		23	18	17	8	10	5	10	5	6	18	8	13	8	21	9
September	Gross		**209,600**	**144,900**	**148,600**	**105,800**	**484,800**	**317,900**	**249,160**	**68,400**	**152,200**	**101,500**	**88,100**	**47,800**	**161,100**	**131,289**	**139,016**
	Net		82,263	81,619	94,401	60,350	435,482	284,315	213,343	49,041	122,101	76,057	56,678	21,679	136,728	110,397	111,392
	Days		20	16	12	7	12	8	7	4	9	7	2	6	17	23	13
October	Gross		**264,300**	**438,500**	**154,600**	**211,000**	**135,700**	**486,300**	**919,200**	**173,000**	**296,100**	**199,200**	**120,200**	**417,500**	**318,400**	**503,036**	**121,075**
	Net		134,248	348,153	108,226	211,000	94,476	445,560	892,734	141,650	274,068	129,035	88,537	389,696	291,391	480,233	94,680
	Days		20	18	13	9	4	10	18	8	13	8	5	14	19	20	18
November	Gross		**250,900**	**250,400**	**360,800**	**356,800**	**211,400**	**524,600**	**691,800**	**90,100**	**449,700**	**210,100**	**263,400**	**350,100**	**526,900**	**538,978**	**107,729**
	Net		132,728	194,481	306,258	310,650	186,999	494,443	658,765	77,506	414,149	152,302	233,159	322,735	504,290	520,087	85,439
	Days		17	16	14	12	5	14	14	3	14	12	15	12	20	19	12
December	Gross		**522,600**	**555,300**	**549,600**	**692,300**	**674,400**	**502,000**	**510,400**	**345,700**	**757,500**	**506,200**	**510,900**	**952,000**	**517,700**	**677,411**	**471,085**
	Net		421,149	475,856	496,556	643,735	622,403	476,165	492,900	317,790	733,582	467,578	483,221	926,201	493,061	660,890	456,099
	Days		17	18	15	14	14	12	12	8	20	17	17	19	14	17	14
Total	Gross		**5,281,200**	**4,277,500**	**4,751,200**	**4,345,500**	**5,003,600**	**5,152,200**	**5,055,800**	**3,663,300**	**4,735,700**	**4,042,500**	**3,734,100**	**5,859,600**	**4,149,060**	**5,087,758**	**3,689,013**
	Net		**3,551,603**	**3,254,348**	**4,115,626**	**3,819,210**	**4,529,349**	**4,743,871**	**4,712,073**	**3,363,226**	**4,445,962**	**3,613,238**	**3,344,216**	**5,550,209**	**3,867,868**	**4,846,582**	**3,455,883**
	Days		**242**	**215**	**203**	**148**	**128**	**118**	**119**	**107**	**143**	**153**	**141**	**171**	**180**	**234**	**186**
Monthly	Gross		**440,100**	**356,458**	**395,933**	**362,125**	**416,967**	**429,350**	**421,317**	**305,275**	**394,642**	**336,875**	**311,175**	**488,300**	**345,755**	**423,980**	**307,418**
Average	Net		295,967	271,196	342,969	318,268	377,446	395,323	392,673	280,269	370,497	301,103	278,685	462,517	322,322	403,882	287,990
	Days		20	18	17	12	11	10	10	9	12	13	12	14	15	20	16
Precipitation Inches (4)			**36.33**	**29.56**	**31.05**	**32.03**	**36.33**	**35.99**	**38.66**	**24.02**	**36.45**	**37.85**	**34.54**	**40.26**	**31.87**	**40.66**	**35.12**

Notes:

(1) Gross: Total volume of leachate treated in gallons; treatment at LCTF includes leachate collected from 102nd Street Landfill Site.

(2) Net: Love Canal leachate treated in gallons; net is equal to the total (gross) leachate treated less leachate received from 102nd Street.

(3) Days: Number of days treatment facility discharged to the sanitary sewer.

(4) Precipitation data obtained from the National Climatic Data Center for Niagara Falls International Airport.

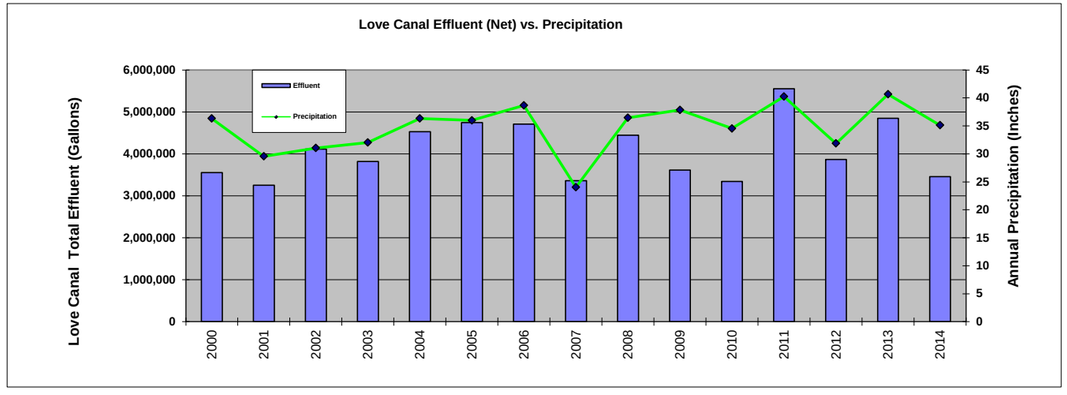


TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,4-Dinitrophenol	µg/L	48 U	48 U	48 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
2-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
2-Nitrophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
3-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	48 U	48 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chloroaniline	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Methylphenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
4-Nitroaniline	µg/L	48 U	48 U	48 U	48 U	48 U
4-Nitrophenol	µg/L	48 U	48 U	48 U	48 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	48 U	48 U	48 U	48 U
Benzyl alcohol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Diethyl phthalate	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Dimethyl phthalate	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Hexachloroethane	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Pentachlorophenol	µg/L	9.5 U	9.6 U	9.6 U	9.6 U	9.5 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***7115***	***7125***	***7130***	***7130***	***7132***
	Sample ID:	***WG-9954-060914-SG-001***	***WG-9954-060914-SG-002***	***WG-9954-061014-SG-003***	***WG-9954-061014-SG-004***	***WG-9954-061014-SG-005***
	Sample Date:	***6/9/2014***	***6/9/2014***	***6/10/2014***	***6/10/2014 (Duplicate)***	***6/10/2014***
Parameters	***Units***					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.037 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0
Pesticides						
4,4'-DDD	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDE	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
4,4'-DDT	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Aldrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
alpha-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
beta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
delta-BHC	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Dieldrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan I	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan II	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endosulfan sulfate	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Endrin ketone	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-BHC (lindane)	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
gamma-Chlordane	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Heptachlor epoxide	µg/L	0.048 U	0.048 U	0.048 U	0.0046 U	0.048 U
Methoxychlor	µg/L	0.095 U	0.095 U	0.095 U	0.0092 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	0.37 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

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

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***8106***	***8115***	***8115***	***8125***	***9105***
	Sample ID:	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***	***WG-9954-061014-SG-008***	***WG-9954-061014-SG-009***
	Sample Date:	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***	***6/10/2014***	***6/10/2014***
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 U	20 U	20 U	20 UJ	20 UJ
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	8106	8115	8115	8125	9105
	Sample ID:	WG-9954-062314-SG-006	WG-9954-061314-SG-013	WG-9954-061314-SG-014	WG-9954-061014-SG-008	WG-9954-061014-SG-009
	Sample Date:	6/23/2014	6/13/2014	6/13/2014 (Duplicate)	6/10/2014	6/10/2014
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,2-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,3-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
1,4-Dichlorobenzene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4,6-Trichlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dinitrophenol	µg/L	48 U	47 U	47 U	48 U	48 U
2,4-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2,6-Dinitrotoluene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
2-Nitrophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
3,3'-Dichlorobenzidine	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
3-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	48 U	47 U	47 U	48 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloro-3-methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloroaniline	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chlorophenyl phenyl ether	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Methylphenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Nitroaniline	µg/L	48 U	47 U	47 U	48 U	48 U
4-Nitrophenol	µg/L	48 U	47 U	47 U	48 U	48 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	48 U	47 U	47 U	48 U	48 U
Benzyl alcohol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*8106*	*8115*	*8115*	*8125*	*9105*
	Sample ID:	*WG-9954-062314-SG-006*	*WG-9954-061314-SG-013*	*WG-9954-061314-SG-014*	*WG-9954-061014-SG-008*	*WG-9954-061014-SG-009*
	Sample Date:	*6/23/2014*	*6/13/2014*	*6/13/2014 (Duplicate)*	*6/10/2014*	*6/10/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
bis(2-Chloroethoxy)methane	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Diethyl phthalate	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Dimethyl phthalate	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-butylphthalate (DBP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-octyl phthalate (DnOP)	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Hexachloroethane	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Pentachlorophenol	µg/L	9.5 U	9.4 U	9.4 U	9.5 U	9.5 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***8106***	***8115***	***8115***	***8125***	***9105***
	Sample ID:	***WG-9954-062314-SG-006***	***WG-9954-061314-SG-013***	***WG-9954-061314-SG-014***	***WG-9954-061014-SG-008***	***WG-9954-061014-SG-009***
	Sample Date:	***6/23/2014***	***6/13/2014***	***6/13/2014 (Duplicate)***	***6/10/2014***	***6/10/2014***
Parameters	***Units***					
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0
Pesticides						
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.096 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

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

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	630 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	630 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	630 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Acetone	µg/L	20 U	20 UJ	2500 UJ	20 UJ
Benzene	µg/L	5.0 U	5.0 U	6100	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	630 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	630 UJ	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	630 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	2300	5.0 U
Chloroethane	µg/L	5.0 UJ	5.0 U	630 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	630 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	630 U	5.0 U
ethylbenzene	µg/L	5.0 U	5.0 U	630 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	630 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	630 UJ	5.0 U
Styrene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	20000	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	630 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 UJ	630 UJ	5.0 UJ
Vinyl chloride	µg/L	5.0 U	5.0 U	630 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	1300 U	10 U
Discrete Compounds Detected:		0	0	3	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.6 U	64 J	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.6 U	34 J	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.6 U	190 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.6 U	94 J	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	38 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	660	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	940 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.6 U	190 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.6 U	190 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.6 U	23 J	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.6 U	190 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	940 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.6 U	190 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.6 U	53 J	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	940 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	940 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Benzoic acid	µg/L	47 U	48 UJ	14000	47 U
Benzyl alcohol	µg/L	9.4 U	9.6 U	290	9.4 U

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Semi-volatile Organic Compounds-Continued					
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.6 U	190 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	19 J	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	380 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Chrysene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.6 U	190 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.6 U	190 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.6 U	190 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.6 U	190 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.6 U	190 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.6 U	190 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Isophorone	µg/L	9.4 U	9.6 U	190 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	380 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	38 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.6 U	190 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.6 U	190 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	62	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	38 U	1.9 U
Discrete Compounds Detected:		0	0	10	0

TABLE 3.2

2014 ANALYTICAL RESULTS SUMMARY-OVERBURDEN
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9113***	***9118***	***10135***	***10178A***
	Sample ID:	***WG-9954-062314-SG-010***	***WG-9954-070914-SG-037***	***WG-9954-061314-SG-015***	***WG-9954-070914-SG-034***
	Sample Date:	***6/23/2014***	***7/9/2014***	***6/13/2014***	***7/8/2014***
Parameters	***Units***				
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0
Pesticides					
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.24 U	0.048 U
Aldrin	µg/L	0.047 U	0.047 U	0.060 J	0.048 U
alpha-BHC	µg/L	0.047 U	0.047 U	21 J	0.048 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
beta-BHC	µg/L	0.047 U	0.047 U	5.3 J	0.048 U
delta-BHC	µg/L	0.047 U	0.047 U	4.8 J	0.048 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.12 J	0.048 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.067 J	0.048 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	4.3 J	0.048 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.064 J	0.048 U
Heptachlor	µg/L	0.047 U	0.047 U	0.23 J	0.048 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.23 J	0.048 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.47 U	0.095 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	10	0

Notes:

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

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		***3257***	***5221***	***6209***	***7205***	***8210***
Sample ID:		***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
Sample Date:		***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20 UJ	5.2 J	20 UJ	20 UJ	20 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	1.7 J	5.0 U	5.0 U	1.2 J	1.2 J
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
Vinyl chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	µg/L	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:		1	1	0	1	1

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*3257*	*5221*	*6209*	*7205*	*8210*
Sample ID:		*WG-9954-061314-SG-007*	*WG-9954-070814-SG-029*	*WG-9954-070914-SG-035*	*WG-9954-070914-SG-036*	*WG-9954-070814-SG-031*
Sample Date:		*6/13/2014*	*7/8/2014*	*7/9/2014*	*7/9/2014*	*7/8/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,2-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,3-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
1,4-Dichlorobenzene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,4-Dinitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2-Methylnaphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
2-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
2-Nitrophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
3-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U	47 U	48 U	47 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chloroaniline	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Methylphenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
4-Nitroaniline	µg/L	47 U	48 U	47 U	48 U	47 U
4-Nitrophenol	µg/L	47 U	48 U	47 U	48 U	47 U
Acenaphthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 UJ	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	µg/L	47 U	48 U	47 UJ	48 U	47 U
Benzyl alcohol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
bis(2-Chloroethyl)ether	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:		*3257*	*5221*	*6209*	*7205*	*8210*
Sample ID:		*WG-9954-061314-SG-007*	*WG-9954-070814-SG-029*	*WG-9954-070914-SG-035*	*WG-9954-070914-SG-036*	*WG-9954-070814-SG-031*
Sample Date:		*6/13/2014*	*7/8/2014*	*7/9/2014*	*7/9/2014*	*7/8/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds-Continued						
Chrysene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Diethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Dimethyl phthalate	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-butylphthalate (DBP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Di-n-octyl phthalate (DnOP)	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Fluoranthene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Hexachloroethane	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Indeno(1,2,3-cd)pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Naphthalene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	µg/L	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Pentachlorophenol	µg/L	9.4 U	9.5 U	9.4 U	9.5 U	9.4 U
Phenanthrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U
Pyrene	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:		0	0	0	0	0
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	µg/L	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:		0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***3257***	***5221***	***6209***	***7205***	***8210***
	Sample ID:	***WG-9954-061314-SG-007***	***WG-9954-070814-SG-029***	***WG-9954-070914-SG-035***	***WG-9954-070914-SG-036***	***WG-9954-070814-SG-031***
	Sample Date:	***6/13/2014***	***7/8/2014***	***7/9/2014***	***7/9/2014***	***7/8/2014***
Parameters	***Units***					
Pesticides						
4,4'-DDD	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide	µg/L	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor	µg/L	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene	µg/L	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Discrete Compounds Detected:		0	0	0	0	0

Notes:

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

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters					
Volatile Organic Compounds					
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 U	20 U	20 U	20 UJ	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	5.0 U	5.0 U	1.6 J	5.0 U	2.9 J
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	0	0	1	0	1

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters					
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	47 U	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	47 U	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4-Nitrophenol	47 U	47 U	47 U	47 U	47 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	47 U	47 U	47 U	47 U	47 U
Benzyl alcohol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*9205*	*9210*	*10205*	*10210A*	*10210B*
Sample ID:	*WG-9954-070814-SG-030*	*WG-9954-062614-SG-021*	*WG-9954-062614-SG-022*	*WG-9954-062714-SG-026*	*WG-9954-062614-SG-023*
Sample Date:	*7/8/2014*	*6/26/2014*	*6/26/2014*	*6/27/2014*	*6/26/2014*
Parameters					
Semi-volatile Organic Compounds-Continued					
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	0	0	0	0	0
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	***9205***	***9210***	***10205***	***10210A***	***10210B***
	Sample ID:	***WG-9954-070814-SG-030***	***WG-9954-062614-SG-021***	***WG-9954-062614-SG-022***	***WG-9954-062714-SG-026***	***WG-9954-062614-SG-023***
	Sample Date:	***7/8/2014***	***6/26/2014***	***6/26/2014***	***6/27/2014***	***6/26/2014***
Parameters						
Pesticides						
4,4'-DDD		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin		0.047 U	0.031 J	0.047 U	0.047 U	0.047 U
alpha-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC		0.054 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor		0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	1	0	0	0

Notes:

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

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	***10210C***	***10215***	***10215***	***10225A***	***10225B***
Sample ID:	***WG-9954-062614-SG-024***	***WG-9954-070814-SG-032***	***WG-9954-070814-SG-033***	***WG-9954-062714-SG-028***	***WG-9954-062714-SG-027***
Sample Date:	***6/26/2014***	***7/8/2014***	***7/8/2014 (Duplicate)***	***6/27/2014***	***6/27/2014***
Parameters					
Volatile Organic Compounds					
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 U	20 U	20 U	20 UJ	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	5.0 U	2.2 J	1.4 J	5.0 U	2.4 J
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	0	1	1	0	1

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters					
Semi-volatile Organic Compounds					
1,2,4-Trichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,2-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,3-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
1,4-Dichlorobenzene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	47 U	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	47 U	47 U	47 U	47 U	47 U
4-Bromophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl phenyl ether	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Methylphenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline	47 U	47 U	47 U	47 U	47 U
4-Nitrophenol	47 U	47 U	47 U	47 U	47 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	47 U	47 U	47 U	47 U	47 U
Benzyl alcohol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters					
Semi-volatile Organic Compounds-Continued					
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dimethyl phthalate	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate (DBP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-octyl phthalate (DnOP)	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	1.9 U	1.9 U	1.9 U	0.84 J	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	0	0	0	1	0
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*10210C*	*10215*	*10215*	*10225A*	*10225B*
	Sample ID:	*WG-9954-062614-SG-024*	*WG-9954-070814-SG-032*	*WG-9954-070814-SG-033*	*WG-9954-062714-SG-028*	*WG-9954-062714-SG-027*
	Sample Date:	*6/26/2014*	*7/8/2014*	*7/8/2014 (Duplicate)*	*6/27/2014*	*6/27/2014*
Parameters						
Pesticides						
4,4'-DDD		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDE		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
4,4'-DDT		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Aldrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
alpha-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
alpha-Chlordane		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
beta-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
delta-BHC		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Dieldrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan I		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan II		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endosulfan sulfate		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endrin		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Endrin ketone		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
gamma-BHC (lindane)		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
gamma-Chlordane		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Heptachlor epoxide		0.048 U	0.047 U	0.047 U	0.047 U	0.048 U
Methoxychlor		0.095 U	0.094 U	0.094 U	0.094 U	0.095 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	0	0	0	0

Notes:

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

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Volatile Organic Compounds						
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20 UJ	20 U	20 U	20 U	20 U	20 U
Benzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	1.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	2.2 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Chloroform (Trichloromethane)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	3.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	10 U	10 U	10 U	10 U	10 U	10 U
Discrete Compounds Detected:	4	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Semi-volatile Organic Compounds						
1,2,4-Trichlorobenzene	6.2 J	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,2-Dichlorobenzene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,3-Dichlorobenzene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
1,4-Dichlorobenzene	0.97 J	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ
2,4,5-Trichlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4,6-Trichlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dichlorophenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,4-Dinitrophenol	48 U	47 U	47 U	47 U	48 U	48 U
2,4-Dinitrotoluene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2,6-Dinitrotoluene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Chloronaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Chlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Methylnaphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
2-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
2-Nitrophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
3,3'-Dichlorobenzidine	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
3-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
4,6-Dinitro-2-methylphenol	48 U	47 U	47 U	47 U	48 U	48 U
4-Bromophenyl phenyl ether	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloro-3-methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chloroaniline	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Chlorophenyl phenyl ether	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Methylphenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
4-Nitroaniline	48 U	47 U	47 U	47 U	48 U	48 U
4-Nitrophenol	48 U	47 U	47 U	47 U	48 U	48 U
Acenaphthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acenaphthylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(a)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(b)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(g,h,i)perylene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzo(k)fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Benzoic acid	48 UJ	47 UJ	47 UJ	47 UJ	48 U	48 U
Benzyl alcohol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethoxy)methane	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
bis(2-Chloroethyl)ether	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate (DEHP)	19 U	19 U	19 U	19 U	19 U	19 U
Butyl benzylphthalate (BBP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters						
Semi-volatile Organic Compounds-Continued						
Chrysene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Dibenzofuran	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Diethyl phthalate	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Dimethyl phthalate	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-butylphthalate (DBP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Di-n-octyl phthalate (DnOP)	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Fluoranthene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Fluorene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Hexachloroethane	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Isophorone	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Naphthalene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	19 U	19 U	19 U	19 U	19 U	19 U
N-Nitrosodi-n-propylamine	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Pentachlorophenol	9.5 U	9.4 U	9.4 U	9.4 U	9.5 U	9.5 U
Phenanthrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Pyrene	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Discrete Compounds Detected:	2	0	0	0	0	0
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016 (PCB-1016)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1221 (PCB-1221)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1232 (PCB-1232)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1242 (PCB-1242)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1248 (PCB-1248)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1254 (PCB-1254)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Aroclor-1260 (PCB-1260)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Discrete Compounds Detected:	0	0	0	0	0	0

TABLE 3.3

2014 ANALYTICAL RESULTS SUMMARY-BEDROCK
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

	Sample Location:	*10225C*	*10270*	*10272*	*10278*	*MW-01*	*MW-02*
	Sample ID:	*WG-9954-061314-SG-016*	*WG-9954-061314-SG-019*	*WG-9954-061314-SG-020*	*WG-9954-061314-SG-017*	*WG-9954-062514-SG-011*	*WG-9954-062514-SG-012*
	Sample Date:	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/13/2014*	*6/25/2014*	*6/25/2014*
Parameters							
Pesticides							
4,4'-DDD		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDE		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,4'-DDT		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Aldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-BHC		1.1 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
alpha-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
beta-BHC		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
delta-BHC		0.058 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dieldrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan I		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan II		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endosulfan sulfate		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Endrin ketone		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-BHC (lindane)		0.092 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
gamma-Chlordane		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Heptachlor epoxide		0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methoxychlor		0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Toxaphene		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
	Discrete Compounds Detected:	0	0	0	0	0	0

Notes:

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

TABLE 3.4

SUMMARY OF DETECTED COMPOUNDS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

		Number of Parameters Detected			
Overburden Wells	***Well Group***	***VOCs***	***SVOCs***	***PCBs***	***Pesticides***
7115	B-II	U	U	U	U
7125	B-II	U	U	U	U
7130	A	U	U	U	U
7132	A	U	U	U	U
8106	A	U	U	U	U
8115	B-II	U	U	U	U
8125	B-II	U	U	U	U
9105	B-II	U	U	U	U
9113	B-II	U	U	U	U
9118	B-II	U	U	U	U
10135	A	3	10	U	10
10178A	X	U	U	U	U
Subtotal Overburden Well Detections		**3**	**10**	**0**	**10**
Bedrock Wells		***VOCs***	***SVOCs***	***PCBs***	***Pesticides***
3257	A	1	U	U	U
5221	A	1	U	U	U
6209	A	U	U	U	U
7205	A	1	U	U	U
8210	A	1	U	U	U
9205	A	U	U	U	U
9210	A	U	U	U	1
10205	A	1	U	U	U
10210A	A	U	U	U	U
10210B	A	1	U	U	U
10210C	A	U	U	U	U
10215	A	1	U	U	U
10225A	A	U	1	U	U
10225B	A	1	1	U	U
10225C	A	4	U	U	U
10270	A	U	2	U	U
10272	A	U	U	U	U
10278	A	U	U	U	U
MW-01	X	U	U	U	U
MW-02	X	U	U	U	U
Subtotal Bedrock Well Detections		**12**	**4**	**0**	**1**
Total # of Detections		**15**	**14**	**0**	**11**

Notes:

U No parameters detected at or above detection limits.
A Annual Well.
B-I Biannual Well Group I.
B-II Biannual Well Group II.
X Additional annual well added to program in 2011.
PCBs Polychlorinated biphenyls.
SVOCs Semi-volatile organic compounds.
VOCs Volatile organic compounds.

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																							
Volatiles (µg/L)																							
1,1,1-Trichloroethane																							
1,1,2,2-Tetrachloroethane				0.2																			
1,1,2-Trichloroethane																							
1,1-Dichloroethene																							
1,2-Dichloroethane																							
1,2-Dichloroethene (total)																							
1,2-Dichloropropane				0.04																			
2-Butanone (Methyl Ethyl Ketone)									2 J			3 J		4 J									
2-Hexanone				0.4					3 J														
Acetone	14C			13B				120 J			10 J									5.2 J			
Benzene				0.1																			
Bromoform				0.03																			
Bromomethane (Methyl bromide)																							
Carbon Disulfide				2	20	310					6 J			6 J	1.6 J	1 J	8 J	24					2.7 J
Chlorobenzene																							
Chloroform																							
Chlorotoluenes																							
cis-1,2-Dichloroethene																							
Dibromochloromethane				0.08																			
Dichlorotoluene, total																							
Ethylbenzene				0.6																			
m&p-Xylenes																							
Methylene Chloride				0.3																			
o-Xylene																							
Styrene				0.1																			
Tetrachloroethene				0.07																			
Toluene				0.4					2 J						2.3 J								
trans-1,2-Dichloroethene																							
Trichloroethene				0.1																6.3			
Trichlorotoluene, total																							
Vinyl Acetate																							
Vinyl Chloride																							
Xylenes (total)				1																			
Semi-volatiles (µg/L)																							
1,2,4-Trichlorobenzene																							
1,2-Dichlorobenzene																							
1,3-Dichlorobenzene																							
1,4-Dichlorobenzene																							
2,4,5-Trichlorophenol																							
2,4,6-Trichlorophenol																							
2,4-Dichlorophenol																							
2,4-Dimethylphenol																							
2-Chloronaphthalene																							

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene																						
2-Methylphenol																						
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol																						
Acetic acid																						
Anthracene																						
Benzo(a)pyrene																						
Benzo(b)fluoranthene																						
Benzo(g,h,i)perylene																						
Benzo(k)fluoranthene																						
Benzoic Acid							12 J						3 J	3 J	2.7 J				5.8 J			
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate		12	21	31	51									1 J	1.7 J	8 J			2.5 J			
Butyl benzylphthalate (BBP)				3																		
Camphor																						
Carbazole																						
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene																						
Diethyl phthalate																						
Dimethyl Phthalate	16																					
Dimethyl tetrasulfide				22																		
Di-n-butyl phthalate (DBP)		2		0.9																		
Di-n-octyl phthalate (DnOP)	3B																					
Fluoranthene																						
Hexachlorobenzene																						
Hexachloroethane																						
Indeno(1,2,3-cd)pyrene																						
Naphthalene																						
N-Nitrosodiphenylamine																						
Pentachlorophenol																						
Phenanthrene																						
Phenol									1 J				5 J	1 J	1.7 J							
Pyrene																						

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*	*10210A*
SampleDate:	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*5/25/1995*	*7/1/1996*	*7/10/1997*	*6/26/1998*	*6/23/1999*	*6/21/2000*	*5/18/2001*	*6/13/2002*	*5/27/2003*	*6/3/2004*	*6/28/2005*	*7/6/2006*	*7/26/2007*	*7/17/2008*	*7/15/2009*	*6/24/2010*	*7/19/2011*	*6/22/2012*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD													0.013 J									
4,4'-DDE																						
Aldrin																						
Alpha-BHC									0.28											0.14 J		
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC									0.035 J				0.020 J	0.011 J				0.015 J		0.12 J		
Delta-BHC				0.0061									0.062 J	0.043 J						0.12 J		
Dieldrin																						
Endosulfan I									0.046 J													
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						
Endrin ketone																						
Gamma-BHC (Lindane)									0.10 J				0.039 J							0.12 J		
Gamma-Chlordane																						
Heptachlor																						
Heptachlor epoxide																						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Volatiles (µg/L)																						
1,1,1-Trichloroethane																						
1,1,2,2-Tetrachloroethane																						
1,1,2-Trichloroethane																						
1,1-Dichloroethene							0.06															
1,2-Dichloroethane																						
1,2-Dichloroethene (total)																						
1,2-Dichloropropane																						
2-Butanone (Methyl Ethyl Ketone)							4									23						
2-Hexanone																						
Acetone					31	6	12 B	23						12 J								
Benzene						0.3	0.3															
Bromoform																						
Bromomethane (Methyl bromide)						0.2																
Carbon Disulfide						2	0.4				8 J	2 J		14	3 J	2 J		1.4 J	1 J	6 J		
Chlorobenzene							0.2										1 J					
Chloroform																						
Chlorotoluenes																						
cis-1,2-Dichloroethene																						
Dibromochloromethane																						
Dichlorotoluene, total																						
Ethylbenzene						0.2	0.08															
m&p-Xylenes																						
Methylene Chloride						0.4	0.2															
o-Xylene																						
Styrene																						
Tetrachloroethene						0.06											9 J					
Toluene			1.8				0.5					2 J	1 J					1.1 J				
trans-1,2-Dichloroethene																						
Trichloroethene						0.1	0.1															
Trichlorotoluene, total																						
Vinyl Acetate																						
Vinyl Chloride																						
Xylenes (total)						0.5	0.5															
Semi-volatiles (µg/L)																						
1,2,4-Trichlorobenzene																3 J						
1,2-Dichlorobenzene																						
1,3-Dichlorobenzene																						
1,4-Dichlorobenzene																						
2,4,5-Trichlorophenol																						
2,4,6-Trichlorophenol																						
2,4-Dichlorophenol																						
2,4-Dimethylphenol																						
2-Chloronaphthalene																						

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene							0.06															
2-Methylphenol																						
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol							0.2															
Acetic acid																						
Anthracene																						
Benzo(a)pyrene							0.07															
Benzo(b)fluoranthene							0.08															
Benzo(g,h,i)perylene							0.1															
Benzo(k)fluoranthene							0.04															
Benzoic Acid																			2 J			
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate			7 B	13		11	9			55	6 J						4 J	4.5 J	3 J			
Butyl benzylphthalate (BBP)							0.2															
Camphor																						
Carbazole							0.05															
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene							0.1															
Diethyl phthalate							0.3															
Dimethyl Phthalate																						
Dimethyl tetrasulfide																						
Di-n-butyl phthalate (DBP)			1	1			0.6							3 J								
Di-n-octyl phthalate (DnOP)							0.1															
Fluoranthene							0.04															
Hexachlorobenzene																1 J						
Hexachloroethane																						
Indeno(1,2,3-cd)pyrene							0.1															
Naphthalene																						
N-Nitrosodiphenylamine							0.2															
Pentachlorophenol			1				0.3															
Phenanthrene							0.07															
Phenol			3	3			2															
Pyrene							0.04															

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210A*	*10210A*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*
SampleDate:	*6/13/2013*	*6/27/2014*	*7/24/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/15/1994*	*6/1/1995*	*7/5/1996*	*7/1/1997*	*6/18/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/2/2004*	*6/24/2005*	*6/28/2006*	*7/26/2007*	*7/17/2008*	*7/9/2009*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD																						
4,4'-DDE																	0.011 J					
Aldrin																			.0089 J			
Alpha-BHC																19	2.4	0.37	.58	0.016 J		0.050 / 0.064
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC																1.9	0.53	0.082 P	.082			
Delta-BHC	0.067 J															0.56 J	0.15		.047 J			0.028 J / 0.032 J
Dieldrin																0.13 J						
Endosulfan I																0.11 J						
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						
Endrin ketone																						
Gamma-BHC (Lindane)																2.1	0.39	0.046 J	.099			0.038 J / 0.033 J
Gamma-Chlordane																0.15 J						
Heptachlor																						
Heptachlor epoxide																0.35 J						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Volatiles (µg/L)																						
1,1,1-Trichloroethane																						
1,1,2,2-Tetrachloroethane																						
1,1,2-Trichloroethane																						
1,1-Dichloroethene																						
1,2-Dichloroethane																						
1,2-Dichloroethene (total)																						
1,2-Dichloropropane																						
2-Butanone (Methyl Ethyl Ketone)																						
2-Hexanone																						
Acetone								10 B		19 B					2100	8 J	9 J				1.9 J	
Benzene																						
Bromoform																						
Bromomethane (Methyl bromide)																						
Carbon Disulfide	4.0 J	4.6 J	6.1 J		2.9 J					0.6						3 J						
Chlorobenzene																						2 J
Chloroform																						
Chlorotoluenes																						
cis-1,2-Dichloroethene																						
Dibromochloromethane																						
Dichlorotoluene, total																						
Ethylbenzene																						
m&p-Xylenes																						
Methylene Chloride				1.2 J						0.2												
o-Xylene																						
Styrene																						
Tetrachloroethene																						6 J
Toluene						3														29 / 23		
trans-1,2-Dichloroethene																						
Trichloroethene																						
Trichlorotoluene, total																						
Vinyl Acetate																						
Vinyl Chloride																						
Xylenes (total)																						
Semi-volatiles (µg/L)																						
1,2,4-Trichlorobenzene																						6 J
1,2-Dichlorobenzene																						
1,3-Dichlorobenzene																						
1,4-Dichlorobenzene																						
2,4,5-Trichlorophenol																						
2,4,6-Trichlorophenol																						
2,4-Dichlorophenol																						
2,4-Dimethylphenol																						
2-Chloronaphthalene																						

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Semi-volatiles (µg/L)-Continued																						
2-Chlorophenol																						
2-Methylnaphthalene																						
2-Methylphenol										5												
2-Nitrophenol																						
3,5-Dichlorotoluene																						
4-Chloro-3-methylphenol																						
4-Chlorophenyl phenyl ether																						
4-Methylphenol										6	29	110	62	0.6J								
Acetic acid									11													
Anthracene																						
Benzo(a)pyrene																						
Benzo(b)fluoranthene																						
Benzo(g,h,i)perylene																						
Benzo(k)fluoranthene																						
Benzoic Acid																						
Benzyl Alcohol																						
Bis(2-Chloroethyl)Ether																						
bis(2-Ethylhexyl)Phthalate						7 B	13			8										29 / 5 J		5 J
Butyl benzylphthalate (BBP)						1				0.4												
Camphor																						
Carbazole																						
Chlorobenzoic acid																						
Chrysene																						
Dibenz(a,h)anthracene																						
Diethyl phthalate			1.8 J			1				0.2												
Dimethyl Phthalate																						
Dimethyl tetrasulfide																						
Di-n-butyl phthalate (DBP)						2	3			0.5												
Di-n-octyl phthalate (DnOP)										0.04												
Fluoranthene																						
Hexachlorobenzene																						
Hexachloroethane							1															
Indeno(1,2,3-cd)pyrene																						
Naphthalene																						
N-Nitrosodiphenylamine																						
Pentachlorophenol																						
Phenanthrene										0.03												
Phenol						2	6				22		22									
Pyrene																						

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210B*	*10210B*	*10210B*	*10210B*	*10210B*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*
SampleDate:	*6/15/2010*	*7/14/2011*	*6/18/2012*	*6/15/2013*	*6/26/2014*	*7/25/1990*	*8/22/1991*	*8/26/1992*	*8/11/1993*	*6/8/1994*	*6/1/1995*	*7/1/1996*	*7/1/1997*	*6/22/1998*	*6/24/1999*	*6/15/2000*	*5/17/2001*	*6/10/2002*	*5/23/2003*	*6/7/2004*	*6/23/2005*	*6/28/2006*
Parameters																						
Pesticides/PCBs (µg/L)																						
4,4'-DDD																						
4,4'-DDE																						
Aldrin																						0.061 J
Alpha-BHC		0.048 J																			0.083	0.45 J
Alpha-Chlordane																						
Aroclor-1260 (PCB-1260)																						
beta&gamma-BHC (sum of isomers)																						
Beta-BHC																						0.048 J
Delta-BHC	0.050 J	0.042 J																		0.019 J / 0.017 J		0.052 J
Dieldrin																						
Endosulfan I																						
Endosulfan II																						
Endosulfan Sulfate																						
Endrin																						0.14 J
Endrin ketone																						
Gamma-BHC (Lindane)		0.061 J																				0.11 J
Gamma-Chlordane																						0.018 J
Heptachlor		0.053 J																				
Heptachlor epoxide																						
Methoxychlor																						

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Volatiles (µg/L)																					
1,1,1-Trichloroethane												8	14								
1,1,2,2-Tetrachloroethane												12	51		26		94 J	29 / 32	27 J / 26 J	120 J / 100 J	56
1,1,2-Trichloroethane															14		29 J	15 / 12	16 J / 14 J	29 J / 34 J	27
1,1-Dichloroethene									6			15	3					4 J / 3 J	4 J / 4 J	4 J / 4 J	4 J
1,2-Dichloroethane																					
1,2-Dichloroethene (total)											700	840	650	670 JD	560						600 J / 560
1,2-Dichloropropane																					
2-Butanone (Methyl Ethyl Ketone)												36							10 J	11 J / 12 J	
2-Hexanone																					
Acetone									50			270	100 B	100 J	60		110 J		28 J / 46 J		72
Benzene									6200	6700		5200	6000 E	4900 D	4800	5000 / 5600	5300 J	5700 / 5600	6900 J / 6400 D	8500 J / 7600	5900 / 6400
Bromoform																					
Bromomethane (Methyl bromide)																					
Carbon Disulfide		2 J				U/1.4 J												2 J			
Chlorobenzene									2380	2400	2600	1700 E	2900 E	2000 D	1500	2300 / ND	1900 J	1900 / 1800	2300 J / 2300 J	3000 J / 2700 J	2200 / 2400
Chloroform												100	120	86 J	110		150 J	110 / 120	130 J / 100 J	160 J / 150 J	160
Chlorotoluenes									16600	16000											
cis-1,2-Dichloroethene																					
Dibromochloromethane																					
Dichlorotoluene, total									14000	140											
Ethylbenzene									12	10		13	12				12	9 J / 10 J	12 J / 12 J	24 J / 22 J	15
m&p-Xylenes																					39
Methylene Chloride									5			41	8		11				24 J / 24 J		39
o-Xylene																					12
Styrene												4									
Tetrachloroethene									50			8	32				40 J	13 / 12	16 J / 14 J	50 J / 61 J	38
Toluene									22800	26000	2700	17000	21500	18000 D	14000	19000 / 17000	16000 J	16000 / 17000	21000 D / 21000 J	24000 / 22000	20000 j / 19000
trans-1,2-Dichloroethene									20								58 J	67 / 70	67 J / 70 J	59 J / 60 J	
Trichloroethene									260	450		24	140	18 J	36		170 J	58 / 70	60 J / 72 J	180 J / 140 J	160 / 130 J
Trichlorotoluene, total									40												
Vinyl Acetate											6800										
Vinyl Chloride													61	44 J	50		48 J	62 / 61	110 J / 85 J	66 J / 75 J	48
Xylenes (total)									50	30		47	10 B	37 J	28		55 J	44 / 43	42 J / 44 J		
Semi-volatiles (µg/L)																					
1,2,4-Trichlorobenzene									80	290		74	87 B				78 J	45 J / 65 J	45 J / 36 J	65 J / 42 J	
1,2-Dichlorobenzene									50	16		35	34					24 J / 30 J	18 J / 22 J	48 J	
1,3-Dichlorobenzene													4								
1,4-Dichlorobenzene									120	47	110	94	91					61 J / 74 J	59 J / 52 J	110 J / 69 J	
2,4,5-Trichlorophenol									860	130		70	59				38 J		0.9 J		
2,4,6-Trichlorophenol										120			8						1 J		
2,4-Dichlorophenol									830		1200B	420	610	150		2100 / 2100	2000	690 / 610	1400 J / 470 J	620 J / 1200 J	1800 J / 1500 J
2,4-Dimethylphenol													9						2 J		
2-Chloronaphthalene														150						370 J / 550 J	

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Semi-volatiles (µg/L)-Continued																					
2-Chlorophenol													20				28 J	25 J			
2-Methylnaphthalene																					
2-Methylphenol												51	46				55 J	42 J / 35 J	160 J	41 J	
2-Nitrophenol																			1 J		
3,5-Dichlorotoluene												350									
4-Chloro-3-methylphenol										13			31					25 J / 33 J			
4-Chlorophenyl phenyl ether													2								
4-Methylphenol										10		60	64				130 J	95 J / 120	99 J / 300 J	130 J / 86 J	
Acetic acid																					
Anthracene													1								
Benzo(a)pyrene																					
Benzo(b)fluoranthene																					
Benzo(g,h,i)perylene																					
Benzo(k)fluoranthene																					
Benzoic Acid									140000	580				6400 D	4000	27000 J / 30000 J	23000 J	4300 / 5000	4700 J / 19000 J	6200 J / 4400 J	31000 / 25000
Benzyl Alcohol									4200	1100				380		1900 / 1600	2700	680 / 540	14000 D / 3200 J	330 J / 630 J	2000 / 1700 J
Bis(2-Chloroethyl)Ether												23					24 J	26 J / 25 J			
bis(2-Ethylhexyl)Phthalate												50	2						41 J / 24 J		
Butyl benzylphthalate (BBP)																					
Camphor												130									
Carbazole																					
Chlorobenzoic acid									4000												
Chrysene													0.2								
Dibenz(a,h)anthracene																					
Diethyl phthalate				4.4 J									1								
Dimethyl Phthalate				0.87 J																	
Dimethyl tetrasulfide																					
Di-n-butyl phthalate (DBP)																					
Di-n-octyl phthalate (DnOP)																					
Fluoranthene													0.2								
Hexachlorobenzene																					
Hexachloroethane																					
Indeno(1,2,3-cd)pyrene																					
Naphthalene																		1400 J / 2000 J	4000 J / 1800 J	1400 / 1100	
N-Nitrosodiphenylamine																					
Pentachlorophenol												52	4								
Phenanthrene																					
Phenol										10		98	91	140				120 / 96 J		51 J	
Pyrene																					

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10210C*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*7/26/2007*	*7/16/2008*	*7/13/2009*	*6/15/2010*	*7/14/2011*	*6/22/2012*	*6/15/2013*	*6/26/2014*	*9/13/1990*	*8/29/1991*	*8/26/1992*	*8/19/1993*	*6/22/1994*	*6/1/1995*	*6/27/1996*	*7/7/1997*	*6/17/1998*	*6/16/1999*	*6/22/2000*	*5/11/2001*	*6/12/2002*
Parameters																					
Pesticides/PCBs (µg/L)																					
4,4'-DDD																		0.21 / 0.20 J	0.13 J / 0.071 J		
4,4'-DDE													0.071								
Aldrin											0.53	0.24 P						0.21 J / 0.74 JN		1.5 JN / 0.95 JN	0.12 J / 0.12 J
Alpha-BHC											84	42 C	24 CEP	28 D	29	39 / 39	59	40 / 37 J	50 / 50	43 J / 50 J	43 / 39
Alpha-Chlordane																					0.031 J / 0.017 J
Aroclor-1260 (PCB-1260)																					
beta&gamma-BHC (sum of isomers)												19.5	20.4								
Beta-BHC														10 D	11	8.1 / 8.6	12	12 / 11 J	15 / 16	16 J / 16 J	14 J / 13 J
Delta-BHC			0.048 J								15	9.8	7.5 CE	4.7	5.2	5.1 / ND	8.9	11 / 9.6 J	13 / 14	10 J / 12 J	9.0 J / 11 J
Dieldrin																					
Endosulfan I																		0.34 J / 0.43 J		1.5 JN / 1.6 JN	
Endosulfan II																			0.52 J / 0.69 J		
Endosulfan Sulfate												0.43 P						0.18 / 0.17 J	0.17 J		
Endrin													0.15 P								
Endrin ketone																					
Gamma-BHC (Lindane)											33				2.4 J	6.2 J / 5.1 J	6.5 J	5.5 / 4.1 J	6.4 / 8.0	7.3 J / 5.0 J	7.1 J / 6.1 J
Gamma-Chlordane																			0.18 J / 0.16 J		0.29 J / 0.35 J
Heptachlor																		0.63 / 0.68 JN			
Heptachlor epoxide																		0.043 J / 0.058 J	0.031 J / 0.029 J		0.016 J / 0.025 J
Methoxychlor																					

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Volatiles (µg/L)													
1,1,1-Trichloroethane													
1,1,2,2-Tetrachloroethane	38					16 J		25 / 24					
1,1,2-Trichloroethane						15 J		9.1 J / 8.7 J					
1,1-Dichloroethene	3 J					2 J							
1,2-Dichloroethane													
1,2-Dichloroethene (total)	490 J												
1,2-Dichloropropane													
2-Butanone (Methyl Ethyl Ketone)								5.8 J / 6.1 J					
2-Hexanone													
Acetone	74				200 J	53 J		42 / 37	39				
Benzene	5500		5400	5700	6800	7100	5300	7500 / 7600	3400	2200	5900	2500	6100
Bromoform													
Bromomethane (Methyl bromide)													
Carbon Disulfide						2 J							
Chlorobenzene	1900		2000	2100	2400	2100	1400	2900 J / 3000 J	1300	1100	2500	730	2300
Chloroform	110				110 J	140 J	99 J	96 / 97	160	67	130 J		
Chlorotoluenes													
cis-1,2-Dichloroethene					630		79 J	79 / 76	110	38 J			
Dibromochloromethane													
Dichlorotoluene, total													
Ethylbenzene	10					10 J		10 / 10	13				
m&p-Xylenes	29												
Methylene Chloride	26			100 J	44 J	32 J		25 / 24	38	16 J			
o-Xylene	9 J												
Styrene													
Tetrachloroethene	18					13 J		14 / 14	19	9.5 J			
Toluene	15000		16000	18000	21000	23000	13000	24000 / 24000	11000	3100	14000	6100	20000
trans-1,2-Dichloroethene					52 J	50 J	32 J	30 / 30	48	17 J			
Trichloroethene	91				46 J	89 J	27 J	91 / 89	140	52			
Trichlorotoluene, total													
Vinyl Acetate													
Vinyl Chloride	51							27 / 17	31				
Xylenes (total)						37 J		44 / 53	51				
Semi-volatiles (µg/L)													
1,2,4-Trichlorobenzene	97 J		67 J		63	47 J	28	110 / 110	78 J	76 J	74 J	69	64 J
1,2-Dichlorobenzene	59 J		36 J		37	31 J	10 J	68 / 52	57 J	45 J		45	34 J
1,3-Dichlorobenzene					3 J	87 J		4.1 J / 5.5 J				5.2 J	
1,4-Dichlorobenzene	160 J		100 J	110 J	100	84 J	24	150 J / 100 J	150 J	130 J	110 J	130	94 J
2,4,5-Trichlorophenol					8 J							10	
2,4,6-Trichlorophenol							6 J	28 / 23				12	
2,4-Dichlorophenol	1700		420	300 J	250	490	150	1200 / 1100	780	590	240	360	660
2,4-Dimethylphenol													
2-Chloronaphthalene											150 J	210	

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Semi-volatiles (µg/L)-Continued													
2-Chlorophenol					18		17 J	31 / 26				28	
2-Methylnaphthalene													
2-Methylphenol	50 J		25 J		33	34 J	140	66 J / 50 J	42 J	30 J		29	23 J
2-Nitrophenol													
3,5-Dichlorotoluene													
4-Chloro-3-methylphenol	41 J				15		26	95 / 97	31 J			23	
4-Chlorophenyl phenyl ether													
4-Methylphenol	210 J		49 J	98 J	110	120 J	110	170 J / 140 J	130 J	83 J		89	53 J
Acetic acid													
Anthracene													
Benzo(a)pyrene													
Benzo(b)fluoranthene													
Benzo(g,h,i)perylene													
Benzo(k)fluoranthene													
Benzoic Acid	26000		1400 J	4700 J	14000 J	14000	7600 J	39000 J / 54000 J	9500	11000	8700	16000	14000
Benzyl Alcohol	640		23 J		48	580	38	1200 / 1300	610	450	600 J	380 J	290
Bis(2-Chloroethyl)Ether			24 J		24	30 J	16 J	29 / 28	34 J	28 J		26	19 J
bis(2-Ethylhexyl)Phthalate					53			4.4 J / 4.2 J					
Butyl benzylphthalate (BBP)													
Camphor													
Carbazole													
Chlorobenzoic acid													
Chrysene													
Dibenz(a,h)anthracene													
Diethyl phthalate													
Dimethyl Phthalate													
Dimethyl tetrasulfide													
Di-n-butyl phthalate (DBP)													
Di-n-octyl phthalate (DnOP)													
Fluoranthene													
Hexachlorobenzene													
Hexachloroethane													
Indeno(1,2,3-cd)pyrene													
Naphthalene			1800 J	4500 J									
N-Nitrosodiphenylamine													
Pentachlorophenol													
Phenanthrene													
Phenol	180 J			100 J	140	130 J	96	140 J / 160 J	100	82	89 J	92	62
Pyrene													

TABLE 3.5

SUMMARY OF DETECTED COMPOUNDS IN SELECT WELLS
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

Well Number:	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*	*10135*
SampleDate:	*5/19/2003*	*5/28/2004*	*6/17/2005*	*6/28/2005*	*6/26/2006*	*7/18/2007*	*7/23/2008*	*6/25/2009*	*6/16/2010*	*7/13/2011*	*6/12/2012*	*6/18/2013*	*6/13/2014*
Parameters													
Pesticides/PCBs (µg/L)													
4,4'-DDD			0.19 J	0.11 J		0.081 J	0.13 J		0.048 J		0.036 J	0.089 J	
4,4'-DDE												0.053	
Aldrin						0.073	0.052 J	0.55 J / 0.55 J	0.063 J			0.16 J	0.060 J
Alpha-BHC	49		15	21 C	35	12	17	27 J / 32 J	4.0	21	7.1 J	20	21 J
Alpha-Chlordane						0.011 J							
Aroclor-1260 (PCB-1260)								12 J / 11 J					
beta&gamma-BHC (sum of isomers)													
Beta-BHC	15 J		3.4	5.6	7.1	3.7	4.4	11 J / 9.1 J	4.1	7.1	3.1	5.9	5.3 J
Delta-BHC	12		9.1	9.1	13	4.7	6.3	11 J / 12	0.28	7.3	1.6 J	5.2	4.8 J
Dieldrin													
Endosulfan I													
Endosulfan II			0.15 J					1.6 J / 2.3				0.053 J	0.12 J
Endosulfan Sulfate	1.3 J					0.34	0.37 J	1.5 J					
Endrin						0.034 J		1.9 / 1.3 J					
Endrin ketone													0.067 J
Gamma-BHC (Lindane)	7.1			0.32 J	4.8	2.1	2	7.4 J / 6.2 J	0.92	4.1	1.4 J	3.9	4.3 J
Gamma-Chlordane					.33 J	0.017 J						0.065	0.064 J
Heptachlor	0.61 J					0.092	0.19 J				0.71	0.15 J	0.23 J
Heptachlor epoxide	2.2 J		0.053			0.29	0.13 J	1.6 J / 1.7 J	0.10 J		0.089 J	0.22 J	0.23 J
Methoxychlor											0.036 J		

Notes:
D - Sample result is from a dilution.
C - Sample result was confirmed.
E - Sample result was greater than the highest calibration level.
N - Validator qualifier-presumptive certainty, usually used when there is a large difference in dual column results.
P - Lab qualifier used when there are large differences in dual column results.
J - Estimated.
U - Not detected at the associated reporting limit.
B - Detected in the blank sample.
Blank - Not detected
PCBs - Polychlorinated biphenyls.

TABLE 3.6A

1140 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*1141 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1140 (ft. AMSL)*
03/06/14	571.66	571.21	570.52	566.09	561.70	563.87
06/03/14	572.07	571.72	570.96	566.33	561.70	563.84
09/02/14	570.38	570.07	569.82	566.17	561.70	564.00
12/02/14	569.59	569.19	569.30	565.89	561.70	564.12

B WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*1141 (ft. AMSL)*	*Tile Drain (ft. AMSL)*	*1140 (ft. AMSL)*
03/06/14	571.83	571.28	567.96	566.43	561.70	564.39
06/03/14	572.17	571.83	568.33	566.98	561.70	564.31
09/02/14	570.46	570.20	567.93	566.74	561.70	564.35
12/02/14	570.23	569.23	567.54	566.08	561.70	564.50

C WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*1142 (ft. AMSL)*	*Tile Drain (ft. AMSL)*
03/06/14	571.51	569.64	566.58	561.70
06/03/14	571.96	570.13	566.60	561.70
09/02/14	570.29	569.26	566.46	561.70
12/02/14	569.49	568.34	566.25	561.70

D WELLS

Well (1) / *Date*	*1144 (ft. AMSL)*	*1143 (ft. AMSL)*	*Tile Drain (ft. AMSL)*
03/06/14	570.44	569.02	561.70
06/03/14	570.67	568.79	561.70
09/02/14	569.85	568.48	561.70
12/02/14	568.77	567.84	561.70

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6B

1150 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.19	569.00	567.18	561.85
06/03/14	572.16	569.00	566.80	561.85
09/02/14	571.87	568.44	566.86	561.85
12/02/14	571.60	568.93	567.05	561.85

B WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	567.84	569.02	567.54	561.85
06/03/14	567.99	568.83	567.95	561.85
09/02/14	567.94	568.92	567.67	561.85
12/02/14	567.95	570.02	567.51	561.85

C WELLS

Well (1) Date	*1154* (ft. AMSL)	*1153* (ft. AMSL)	*1151* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	568.47	572.11	568.88	561.85
06/03/14	568.40	570.91	569.34	561.85
09/02/14	568.14	570.22	568.15	561.85
12/02/14	568.02	576.49	567.25	561.85

D WELLS

Well (1) Date	*1153* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	571.59	561.85
06/03/14	571.16	561.85
09/02/14	569.61	561.85
12/02/14	570.81	561.85

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then

ft. AMSL Feet above mean sea level.

TABLE 3.6C

1160 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1)	*10176*	*1165*	*1163*	*1162*	*1161*	*Tile Drain*	*1160*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	569.84	571.69	568.66	569.34	565.52	560.60	565.19
06/03/14	569.72	571.80	568.68	570.28	565.32	560.60	564.92
09/02/14	568.76	571.39	568.54	569.57	565.19	560.60	564.81
12/02/14	570.62	571.27	568.61	569.17	565.13	560.60	564.95

B WELLS

Well (1)	*10176*	*1165*	*1163*	*1161*	*Tile Drain*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	570.01	571.53	569.29	566.96	560.60
06/03/14	569.83	571.80	570.16	566.92	560.60
09/02/14	568.89	570.94	569.68	566.86	560.60
12/02/14	570.28	570.67	569.14	566.83	560.60

C WELLS

Well (1)	*10176*	*1165*	*1163*	*1162*	*1161*	*Tile Drain*	*1160*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	568.84	572.39	569.57	569.57	568.84	560.60	566.17
06/03/14	568.60	572.80	570.65	570.35	569.53	560.60	566.19
09/02/14	568.75	572.20	570.16	569.75	569.15	560.60	566.57
12/02/14	568.65	571.66	569.36	569.41	568.79	560.60	566.43

D WELLS

Well (1)	*10176*	*1165*	*1163*	*1162*	*1161*	*Tile Drain*
Date	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*	*(ft. AMSL)*
03/06/14	567.56	572.46	Dry	567.72	569.51	560.60
06/03/14	567.40	573.16	Dry	567.55	570.53	560.60
09/02/14	567.63	571.78	Dry	567.47	570.07	560.60
12/02/14	567.68	571.14	Dry	567.63	569.24	560.60

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6D

1170 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1170* (ft. AMSL)
03/06/14	571.44	568.41	566.53	564.09	555.60	562.71
06/03/14	570.50	567.97	566.61	564.06	555.60	562.47
09/02/14	570.44	567.79	566.57	563.87	555.60	562.19
12/02/14	570.63	568.10	566.42	563.64	555.60	562.30

B WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1170* (ft. AMSL)
03/06/14	570.12	569.96	568.93	563.06	555.60	567.84
06/03/14	570.57	569.78	569.72	562.81	555.60	571.73
09/02/14	570.66	569.72	569.01	562.75	555.60	562.18
12/02/14	570.80	569.76	568.43	562.69	555.60	571.92

C WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*1172* (ft. AMSL)	*1171* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	571.30	571.70	569.53	561.99	555.60
06/03/14	569.92	572.11	569.69	561.68	555.60
09/02/14	570.06	571.44	569.32	561.48	555.60
12/02/14	570.44	570.68	568.89	561.57	555.60

D WELLS

Well (1) Date	*1174* (ft. AMSL)	*1173* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	568.73	571.92	555.60
06/03/14	568.31	572.31	555.60
09/02/14	568.05	571.01	555.60
12/02/14	568.60	570.68	555.60

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6E

1180 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1184* (ft. AMSL)	*1183* (ft. AMSL)	*1181* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1180* (ft. AMSL)
03/06/14	564.14	564.09	568.39	560.00	563.07
06/03/14	564.39	564.22	567.99	560.00	563.21
09/02/14	563.84	564.12	567.34	560.00	562.99
12/02/14	564.02	564.12	569.04	560.00	562.92

B WELLS

Well (1) Date	*1184* (ft. AMSL)	*1183* (ft. AMSL)	*1181* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1180* (ft. AMSL)
03/06/14	564.19	565.69	566.93	560.00	561.03
06/03/14	567.84	565.16	566.87	560.00	561.02
09/02/14	563.73	564.71	566.44	560.00	561.03
12/02/14	563.70	564.85	566.56	560.00	561.03

C WELLS

Well (1) Date	*1184* (ft. AMSL)	*1183* (ft. AMSL)	*1181* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1180* (ft. AMSL)
03/06/14	568.72	567.79	569.05	560.00	Dry
06/03/14	568.28	567.50	568.48	560.00	Dry
09/02/14	566.00	567.32	567.48	560.00	Dry
12/02/14	565.56	567.55	569.55	560.00	Dry

D WELLS

Well (1) Date	*1184* (ft. AMSL)	*1183* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	568.08	566.90	560.00
06/03/14	564.39	566.80	560.00
09/02/14	Dry	Dry	560.00
12/02/14	Dry	566.78	560.00

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

TABLE 3.6F

1190 SERIES PIEZOMETERS WATER LEVELS - 2014
LOVE CANAL LONG-TERM MONITORING PROGRAM
GLENN SPRINGS HOLDINGS, INC.

A WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1190* (ft. AMSL)
03/06/14	563.93	565.61	564.00	566.04	554.80	565.40
06/03/14	564.59	565.76	564.60	565.93	554.80	567.62
09/02/14	563.93	565.31	563.98	565.92	554.80	564.50
12/02/14	563.74	565.27	563.82	565.59	554.80	564.94

B WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)	*1190* (ft. AMSL)
03/06/14	569.66	568.75	568.44	565.99	554.80	563.04
06/03/14	569.93	568.75	568.49	566.14	554.80	563.74
09/02/14	568.68	568.81	568.44	566.30	554.80	562.37
12/02/14	568.06	568.51	568.30	565.47	554.80	562.68

C WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*1192* (ft. AMSL)	*1191* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.23	570.85	569.75	564.24	554.80
06/03/14	572.59	571.29	569.81	564.11	554.80
09/02/14	569.81	570.99	569.93	564.02	554.80
12/02/14	570.99	570.35	569.61	563.97	554.80

D WELLS

Well (1) Date	*1194* (ft. AMSL)	*1193* (ft. AMSL)	*Tile Drain* (ft. AMSL)
03/06/14	572.99	571.39	554.80
06/03/14	573.66	572.04	554.80
09/02/14	571.25	571.30	554.80
12/02/14	570.40	570.52	554.80

Notes:

(1) Wells listed in order from most distant outside of tile drain, to tile drain, then inside of tile drain.
ft. AMSL Feet above mean sea level.

Appendix A

2014 Institutional and Engineering Controls Certification Form

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

Joe Martens
Commissioner

December 1, 2014

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

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

Dear Joseph Branch:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 31, 2015**. Guidance on the content of a PRR is enclosed.

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

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

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

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

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

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

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

Phone number: 716-851-7220 E-mail: brian.sadowski@dec.ny.gov

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

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

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

Enclosure 1 Certification

Instructions

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

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

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

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

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

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

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

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

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

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

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

Site Details **Box 1**

Site No. 932020

Site Name Love Canal

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

Reporting Period: January 1, 2014 to December 31, 2014

	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.

	YES	NO
5. Is the site currently undergoing development?	☐	☑

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 932020

Description of Engineering and Institutional Controls **Boxes 3 and 4**

Parcel	Engineering Control	Institutional Control
232 Parcels	Cover System Fencing/Access Control Groundwater Containment Leachate Collection Pump & Treat	Building Use Restriction Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan
161.19-1-1		
161.57-1-1		
161.65-1-1		
161.73-1-1		
161.57-1-2		
161.65-1-2		
161.73-1-2		
161.57-1-3		
161.65-1-3		
161.73-1-3		
161.57-1-4		
161.65-1-4		
161.73-1-4		
161.57-1-5		
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161.14-3-43
161.14-3-5
161.14-3-11
161.18-1-18

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

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. 932020

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

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

am certifying as Remedial Party (Owner or Remedial Party)

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

Signature of Owner or Remedial Party Rendering Certification

1/28/2015
Date

IC/EC CERTIFICATIONS

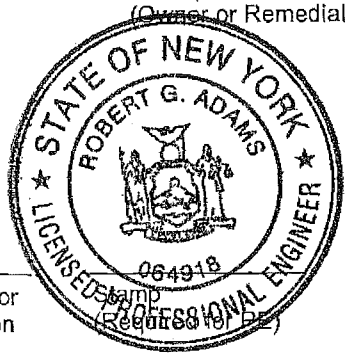
Box 7

Qualified Environmental Professional Signature

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

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

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



Robert G. Adams

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

Stamp (Required for PE)

01/27/15

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

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

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

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

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

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

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

designed/expected.

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

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

VII. Overall PRR Conclusions and Recommendations

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

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

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

C. Future PRR Submittals

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

VIII. Additional Guidance

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

Appendix B

2014 Semiannual Inspection Forms

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 6/13/2014

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	Y	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	2"	Y	Y	N	
	MH-6B	NW	Y	4"	Y	Y	N	
	MH-6A	NW	Y	2"	Y	Y	N	
	PC-2A	NW	Y	2.7'	N	Y	N	
	MH-4A	NW	Y	2"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	Y	1"	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	Y	Y	N	
	MH-8/PC2	SW	Y	2.4'	N	Y	N	
	MH-10	SW	Y	2"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	Y	0"	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	4.0'	Y	Y	N	
	MH-11A	NE	Y	1"	Y	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	Y	2"	Y	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	2"	N	Y	N	
	MH-1	SE	Y	2"	Y	Y	N	
	MH-3	SE	Y	2"	Y	Y	N	
	MH-5	SE	Y	2"	Y	Y	N	
	MH-7/PC1	SE	Y	2.7'	N	Y	N	
	MH-9	SE	Y	3"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
South Frontier	MH-13	SE	Y	2"	N	Y	N	

Signature: _____

Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Love Canal Semi-Annual Barrier Drain Manhole Inspection

Date 9/9/2014

Sector	MH No.	Location	Water Y/N	Level Feet	Debris Y/N	Structure OK	Cleaning Y/N	Comments
North Colvin	MH-10A	NW	Y	0	N	Y	N	
	MH-8A	NW	Y	1"	N	Y	N	
	MH-6C	NW	Y	1"	Y	Y	N	
	MH-6B	NW	Y	2"	Y	Y	N	
	MH-6A	NW	Y	2"	Y	Y	N	
	PC-2A	NW	Y	2.8'	N	Y	N	
	MH-4A	NW	Y	1"	N	Y	N	
	MH-2A	NW	Y	1"	N	Y	N	
	MH-2	SW	Y	1"	Y	Y	N	
	MH-4	SW	Y	1"	Y	Y	N	
	MH-6	SW	Y	2"	Y	Y	N	
	MH-8/PC2	SW	Y	1.9'	N	Y	N	
	MH-10	SW	Y	1"	Y	Y	N	
	MH-12	SW	Y	2"	N	Y	N	
South Frontier	MH-14	SW	Y	1"	N	Y	N	
North Colvin	NH-17A	NE	Y	0"	N	Y	N	
	MH-15A	NE	Y	1"	N	Y	N	
	MH-13A	NE	Y	1"	Y	Y	N	
	PC1A	NE	Y	2.5'	Y	Y	N	
	MH-11A	NE	Y	1"	Y	Y	N	
	MH-9A	NE	Y	1"	N	Y	N	
	MH-7A	NE	Y	1"	Y	Y	N	
	MH-5A	NE	Y	2"	Y	Y	N	
	MH-3A	NE	Y	2"	N	Y	N	
	MH-1A	NE	Y	2"	N	Y	N	
	MH-1	SE	Y	2"	Y	Y	N	
	MH-3	SE	Y	2"	Y	Y	N	
	MH-5	SE	Y	2"	Y	Y	N	
	MH-7/PC1	SE	Y	1.9'	N	Y	N	
	MH-9	SE	Y	2"	N	Y	N	
	MH-11	SE	Y	2"	Y	Y	N	
outh Frontier	MH-13	SE	Y	2"	N	Y	N	

Signature: _____

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 6/13/2014 ***Weather:*** Sunny
Inspector: Darrell Crockett

Check the Following as Appropriate:

Visual Inspection of chamber piping
Verification of level probe performance
Inspection of pump chamber integrity
Inspection of pump chamber security

Wells	Satisfactory	Needs Maintenance
PC-1	Y	
PC-2	y	
PC-3	y	
PC-1A	y	
PC-2A	y	
PC-3A	y	

Comments:

Signature: 

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Love Canal Semiannual Barrier System / Pump Chamber Inspections

Date: 12/10/2014 ***Weather:*** Cloudy
Inspector: Darrell Crockett

Check the Following as Appropriate:

Visual Inspection of chamber piping
Verification of level probe performance
Inspection of pump chamber integrity
Inspection of pump chamber security

Wells	Satisfactory	Needs Maintenance
PC-1	Y	
PC-2	y	
PC-3	y	
PC-1A	y	
PC-2A	y	
PC-3A	y	

Comments:

Signature: Darrell Crockett

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 6/10/2014
Inspector: Darrell Corbett
Weather: Sunny

Inspection Item	Inspect For	Satisfactory
1. Landfill Cover	- erosion	(Y) / N
	- exposure of the HDPE Liner	(Y) / N
	- areas of insufficient grass coverage	(Y) / N
	- length of grass	(Y) / N
	- dead/dying grass	(Y) / N
	- washouts	(Y) / N
	- settlement causing ponding of water	Y (N) Near PC1
	- slope instability	(Y) / N
	- burrowing by animals	(Y) / N
	- rooting of trees	(Y) / N
2. Perimeter Fence	- integrity of fence	(Y) N
	- integrity of gates	(Y) N
	- integrity of locks	(Y) N
	- placement and condition of signs	(Y) / N

Comments/Remarks **(Note: If repair/maintenance is recommended, describe its location/extent below)**

Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

SEMIANNUAL LANDFILL CAP AND FENCE INSPECTION

Site: Love Canal
Date: 12/10/2014
Inspector: Darrell Goslett
Weather: Cloudy

Inspection Item	Inspect For	Satisfactory
1. Landfill Cover	- erosion	(Y) / N
	- exposure of the HDPE Liner	(Y) / N
	- areas of insufficient grass coverage	(Y) / N
	- length of grass	(Y) / N
	- dead/dying grass	Y / (N)
	- washouts	Y / (N)
	- settlement causing ponding of water	(Y) / N Near PL1
	- slope instability	(Y) / N
	- burrowing by animals	(Y) / N
	- rooting of trees	(Y) / N
2. Perimeter Fence	- integrity of fence	(Y) / N
	- integrity of gates	(Y) / N
	- integrity of locks	(Y) / N
	- placement and condition of signs	(Y) / N

Comments/Remarks (Note: If repair/maintenance is recommended, describe its location/extent below)

Main gate, loops replaced both inner & outer
Cap liner starting to sink esp near PL1 roadway

Appendix C

Niagara Falls Water Board Wastewater Discharge Permit #44

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

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

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

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

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

Classified by SIC No(s): 4952

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

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

William Bolents
Director of Administrative Services

Signed this 20TH day of December, 2009

DISCHARGE IDENTIFICATION

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

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

C. Slug Control Plan**

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

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

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

D. General Wastewater Discharge Permit Conditions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

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

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

2. Love Canal Leachate Treatment Facility (LCLTF)

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

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

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

E. Specific Wastewater Discharge Permit Conditions

2. Love Canal Leachate Treatment Facility (LCLTF) Continued

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

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

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

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

F. Discharge Limitations & Monitoring Requirements

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

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

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

SAMPLE TYPE FOOTNOTES

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

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

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

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

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

(6) Reserved

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

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

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

G. Discharge Monitoring Reporting Requirements

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

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

Discharge Monitoring Compounds

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

Discharge Monitoring Compounds

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

Conventionals	
Total Phenols	
Total Suspended Solids	
Soluble Organic Carbon	

H. Comments/Revisions

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Appendix D

Love Canal Annual Groundwater Sampling Schedule

CONESTOGA-ROVERS & ASSOCIATES

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

MEMORANDUM

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

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

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

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

TABLE 1

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

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

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

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

Thanks
Darrell

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

Darrell,

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

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

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

Thank You
Darrell Crockett
716/998-5804

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

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

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

Phone: 716.297.6150
Fax: 716.297.2265
Email: jpolovich@CRAworld.com
www.CRAworld.com

Appendix E

Laboratory Raw Data Package – June through July 2014

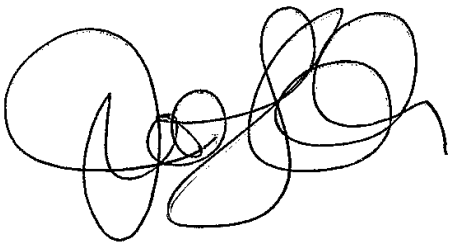
ANALYTICAL REPORT

Job Number: 180-33718-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
6/24/2014 3:46 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
06/24/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-33718-1

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

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

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

RECEIPT
The samples were received on 6/11/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.5º C, 1.5º C and 4.1º C.

VOLATILES
Methylene Chloride was detected in the method blank for batch 180-108719 at a level exceeding the reporting limit. All associated samples were non-detect for methylene chloride. All data was reported.

The laboratory control standard for batch 180-108719 and 180-108836 recovered outside of the control limits for vinyl acetate. All control compounds recovered within the control limits. All data was reported.

The matrix spike of sample WG-9954-061014-SG-005 (180-33718-6) recovered outside of the control limits for trans-1,3-Dichloropropene

The matrix spike duplicate of sample WG-9954-061014-SG-005 (180-33718-6) recovered outside of the control limits for methylene chloride.

The matrix spike duplicate of sample WG-9954-061014-SG-005 (180-33718-6) had internal standard fluorobenzene recover outside of criteria. The parent sample and the matrix spike had all internal standards meet criteria. The matrix spike duplicate could not be re-analyzed due to insufficient sample volume. All data was reported “as is”

SEMIVOLATILES
No difficulties were encountered during the semivolatiles analysis.

PESTICIDES
No difficulties were encountered during the pesticides analysis.

PCBS
No difficulties were encountered during the PCB analysis.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-33718-1	TB-9954-060914	Water	06/09/2014 0000	06/11/2014 0920
180-33718-2	WG-9954-060914-SG-001	Water	06/09/2014 1545	06/11/2014 0920
180-33718-3	WG-9954-060914-SG-002	Water	06/09/2014 1625	06/11/2014 0920
180-33718-4	WG-9954-061014-SG-003	Water	06/10/2014 0905	06/11/2014 0920
180-33718-5	WG-9954-061014-SG-004	Water	06/10/2014 0905	06/11/2014 0920
180-33718-6	WG-9954-061014-SG-005	Water	06/10/2014 1000	06/11/2014 0920
180-33718-7	WG-9954-061014-SG-008	Water	06/10/2014 1110	06/11/2014 0920
180-33718-8	WG-9954-061014-SG-009	Water	06/10/2014 1200	06/11/2014 0920

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Method	Analyst	Analyst ID
SW846 8260C	Zukowski, Mike	MAZ
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Oravec, John	JMO
SW846 8082A	Gupta, Ashok	AKG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **TB-9954-060914**

Lab Sample ID: 180-33718-1 Date Sampled: 06/09/2014 0000
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108719	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061722.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/17/2014 2039			Final Weight/Volume:	5 mL
Prep Date:	06/17/2014 2039				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	110		75 - 120
Dibromofluoromethane (Surr)	94		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **TB-9954-060914**

Lab Sample ID: 180-33718-1 Date Sampled: 06/09/2014 0000
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108719	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061722.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/17/2014 2039			Final Weight/Volume:	5 mL
Prep Date:	06/17/2014 2039				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061811.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1506			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1506				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061811.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1506			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1506				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061812.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1536			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1536				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 123
Toluene-d8 (Surr)	88		80 - 120
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	86		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061812.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1536			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1536				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
66-25-1	Hexanal	10.17	17	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061813.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1606			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1606				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 123
Toluene-d8 (Surr)	86		80 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	84		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061813.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1606			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1606				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061814.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1636			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1636				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	83		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061814.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1636			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1636				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061810.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1435			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1435				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 123
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	86		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061810.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1435			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1435				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1706			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1706				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		62 - 123
Toluene-d8 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	87		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1706			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1706				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
66-25-1	Hexanal	10.15	26	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061816.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1737			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1737				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 123
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-108836	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4061816.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/18/2014 1737			Final Weight/Volume:	5 mL
Prep Date:	06/18/2014 1737				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617019.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 1827			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617019.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 1827			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	57		26 - 100
Nitrobenzene-d5	60		37 - 104
Phenol-d5	58		30 - 102
Terphenyl-d14	35		25 - 130
2,4,6-Tribromophenol	58		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617019.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 1827			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.81	46	T J
	Unknown	15.70	28	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109002	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0619027.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/19/2014 1429			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109002	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0619027.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/19/2014 1429			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	62		26 - 100
Nitrobenzene-d5	67		37 - 104
Phenol-d5	60		30 - 102
Terphenyl-d14	36		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109002	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0619027.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/19/2014 1429			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.89	7.6	T J
	Unknown	7.82	91	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1926			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1926			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	61		37 - 104
Phenol-d5	56		30 - 102
Terphenyl-d14	27		25 - 130
2,4,6-Tribromophenol	56		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1926			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1955			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1955			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	54		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	54		30 - 102
Terphenyl-d14	50		25 - 130
2,4,6-Tribromophenol	53		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	06/17/2014 1955			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617023.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2024			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617023.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2024			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	51		35 - 108
2-Fluorophenol	51		26 - 100
Nitrobenzene-d5	52		37 - 104
Phenol-d5	52		30 - 102
Terphenyl-d14	42		25 - 130
2,4,6-Tribromophenol	56		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617023.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2024			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.81	61	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617024.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2054			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617024.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2054			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		35 - 108
2-Fluorophenol	58		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	30		25 - 130
2,4,6-Tribromophenol	54		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617024.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2054			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.81	76	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2123			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2123			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	56		26 - 100
Nitrobenzene-d5	61		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	34		25 - 130
2,4,6-Tribromophenol	55		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-108741	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-108580	Lab File ID:	V0617025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/17/2014 2123			Final Weight/Volume:	10.0 mL
Prep Date:	06/16/2014 0621			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.83	150	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1606			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		45 - 130
DCB Decachlorobiphenyl (Surr)	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1606			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1621			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1621			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1637			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1637			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	10850 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1653			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.0031	0.0046
alpha-BHC	ND		0.0024	0.0046
alpha-Chlordane	ND		0.0036	0.0046
beta-BHC	ND		0.0037	0.0046
4,4'-DDD	ND		0.0025	0.0046
4,4'-DDE	ND		0.0029	0.0046
4,4'-DDT	ND		0.0027	0.0046
delta-BHC	ND		0.0016	0.0046
Dieldrin	ND		0.0030	0.0046
Endosulfan I	ND		0.0035	0.0046
Endosulfan II	ND		0.0036	0.0046
Endosulfan sulfate	ND		0.0021	0.0046
Endrin	ND		0.0036	0.0046
Endrin ketone	ND		0.0034	0.0046
gamma-BHC (Lindane)	ND		0.0030	0.0046
gamma-Chlordane	ND		0.0036	0.0046
Heptachlor	ND		0.0037	0.0046
Heptachlor epoxide	ND		0.0036	0.0046
Methoxychlor	ND		0.0034	0.0092
Toxaphene	ND		0.069	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	10850 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1653			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1708			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1708			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1724			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.048
alpha-BHC	ND		0.026	0.048
alpha-Chlordane	ND		0.038	0.048
beta-BHC	ND		0.038	0.048
4,4'-DDD	ND		0.026	0.048
4,4'-DDE	ND		0.030	0.048
4,4'-DDT	ND		0.029	0.048
delta-BHC	ND		0.017	0.048
Dieldrin	ND		0.032	0.048
Endosulfan I	ND		0.036	0.048
Endosulfan II	ND		0.038	0.048
Endosulfan sulfate	ND		0.022	0.048
Endrin	ND		0.037	0.048
Endrin ketone	ND		0.035	0.048
gamma-BHC (Lindane)	ND		0.031	0.048
gamma-Chlordane	ND		0.037	0.048
Heptachlor	ND		0.038	0.048
Heptachlor epoxide	ND		0.037	0.048
Methoxychlor	ND		0.035	0.096
Toxaphene	ND		0.72	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1724			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1739			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-108762	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1739			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-001**

Lab Sample ID: 180-33718-2 Date Sampled: 06/09/2014 1545
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1301			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	68		35 - 140
DCB Decachlorobiphenyl (Surr)	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-060914-SG-002**

Lab Sample ID: 180-33718-3 Date Sampled: 06/09/2014 1625
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1333			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	66		35 - 140
DCB Decachlorobiphenyl (Surr)	75		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-003**

Lab Sample ID: 180-33718-4 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1405			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	61		35 - 140
DCB Decachlorobiphenyl (Surr)	77		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-004**

Lab Sample ID: 180-33718-5 Date Sampled: 06/10/2014 0905
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	10850 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1437			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0093	0.037
PCB-1221	ND		0.0092	0.037
PCB-1232	ND		0.011	0.037
PCB-1242	ND		0.0068	0.037
PCB-1248	ND		0.0084	0.037
PCB-1254	ND		0.0084	0.037
PCB-1260	ND		0.0050	0.037

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	61		35 - 140
DCB Decachlorobiphenyl (Surr)	73		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-005**

Lab Sample ID: 180-33718-6 Date Sampled: 06/10/2014 1000
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1509			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	66		35 - 140
DCB Decachlorobiphenyl (Surr)	75		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-008**

Lab Sample ID: 180-33718-7 Date Sampled: 06/10/2014 1110
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1541			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.097	0.38
PCB-1221	ND		0.096	0.38
PCB-1232	ND		0.11	0.38
PCB-1242	ND		0.071	0.38
PCB-1248	ND		0.087	0.38
PCB-1254	ND		0.088	0.38
PCB-1260	ND		0.052	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	65		35 - 140
DCB Decachlorobiphenyl (Surr)	76		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33718-1

Client Sample ID: **WG-9954-061014-SG-009**

Lab Sample ID: 180-33718-8 Date Sampled: 06/10/2014 1200
Client Matrix: Water Date Received: 06/11/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-108543	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-108594	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/17/2014 1613			Injection Volume:	1 uL
Prep Date:	06/16/2014 0716			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	68		35 - 140
DCB Decachlorobiphenyl (Surr)	77		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUALGW-01-1
SSOW Ref#: 292-402-999-3100
Sampler Name: D TYRAN, S GARDNER

180-33718 Chain of Custody

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

Sample Condition

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
TB-9954-060914	WG Q	06/09/2014	00:00	0	0	2	
WG-9954-060914-SG-001	WG	06/09/2014	15:45	2	2	3	
WG-9954-060914-SG-002	WG	06/09/2014	16:25	2	2	3	
WG-9954-061014-SG-003	WG	06/10/2014	09:05	2	2	3	
WG-9954-061014-SG-004	WG	06/10/2014	09:05	2	2	3	
WG-9954-061014-SG-005	WG	06/10/2014	10:00	2	2	3	
WG-9954-061014-SG-008	WG	06/10/2014	11:10	2	2	3	
WG-9954-061014-SG-009	WG	06/10/2014	12:00	2	2	3	
Total Bottles				**14**	**14**	**23**	**Grand Total:51**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Shawn Gardner	6/11/14	1500	Debbie Watson	6-11-14	9:20
AIRBILL#:							

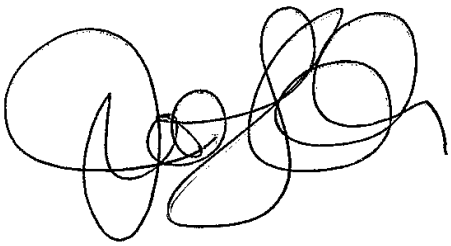
ANALYTICAL REPORT

Job Number: 180-33891-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
6/26/2014 4:28 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
06/26/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-33891-1

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

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

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

RECEIPT

The samples were received on 6/14/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.1º C, 1.2º C, 1.3º C and 2.0º C.

The laboratory received sample RB-9954-061314-SG-018 that was not listed on the chain of custody. This sample was logged in.

The laboratory received two broken VOA vials and 3 1-liter amber liters for sample WG-9954-061114-SG-006. The client was contacted and this sample will be re-sampled by the client.

VOLATILES

Due to the concentration of target compounds detected, sample WG-9954-061314-SG-015 (180-33891-6)[125X] was analyzed at a dilution. The reporting limits have been adjusted accordingly.

The laboratory control standards had several compounds recover outside of the control limits. All control compounds recovered within the control limits. All data was reported.

SEMIVOLATILES

Due to the concentration of target compounds detected, sample WG-9954-061314-SG-015 (180-33891-6)[20X] was analyzed at a dilution. The reporting limits have been adjusted accordingly. This sample had the surrogates diluted out.

PESTICIDES

Due to the concentration of target compounds detected, sample WG-9954-061314-SG-015 (180-33891-6)[5X] was analyzed at a dilution. The reporting limits have been adjusted accordingly.

Sample WG-9954-061314-SG-015 (180-33891-6) had surrogate tetrachloro-m-xylene recover outside of the control limits on one column.

PCBS

No difficulties were encountered during the PCB analysis.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-33891-1	TB-9954-061114	Water	06/11/2014 0000	06/14/2014 0900
180-33891-3	WG-9954-061314-SG-007	Water	06/13/2014 0855	06/14/2014 0900
180-33891-4	WG-9954-061314-SG-013	Water	06/13/2014 1300	06/14/2014 0900
180-33891-5	WG-9954-061314-SG-014	Water	06/13/2014 1300	06/14/2014 0900
180-33891-6	WG-9954-061314-SG-015	Water	06/13/2014 1450	06/14/2014 0900
180-33891-7	WG-9954-061314-SG-016	Water	06/13/2014 0915	06/14/2014 0900
180-33891-8	WG-9954-061314-SG-017	Water	06/13/2014 1015	06/14/2014 0900
180-33891-9	WG-9954-061314-SG-019	Water	06/13/2014 1240	06/14/2014 0900
180-33891-10	WG-9954-061314-SG-020	Water	06/13/2014 1355	06/14/2014 0900
180-33891-11	RB-9954-061314-SG-018	Water	06/13/2014 1115	06/14/2014 0900

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-33891-3	**WG-9954-061314-SG-007**					
Carbon disulfide		1.7	J	5.0	ug/L	8260C
180-33891-6	**WG-9954-061314-SG-015**					
Benzene		6100		630	ug/L	8260C
Toluene		20000		630	ug/L	8260C
Chlorobenzene		2300		630	ug/L	8260C
Benzoic acid		14000		940	ug/L	8270D
Benzyl alcohol		290		190	ug/L	8270D
Bis(2-chloroethyl)ether		19	J	38	ug/L	8270D
1,2-Dichlorobenzene		34	J	190	ug/L	8270D
1,4-Dichlorobenzene		94	J	190	ug/L	8270D
2,4-Dichlorophenol		660		38	ug/L	8270D
2-Methylphenol		23	J	190	ug/L	8270D
4-Methylphenol		53	J	190	ug/L	8270D
Phenol		62		38	ug/L	8270D
1,2,4-Trichlorobenzene		64	J	190	ug/L	8270D
Aldrin		0.060	p	0.047	ug/L	8081B
alpha-BHC		21		0.24	ug/L	8081B
beta-BHC		5.3		0.047	ug/L	8081B
delta-BHC		4.8		0.047	ug/L	8081B
Endosulfan II		0.12		0.047	ug/L	8081B
Endrin ketone		0.067	p	0.047	ug/L	8081B
gamma-BHC (Lindane)		4.3		0.047	ug/L	8081B
gamma-Chlordane		0.064	p	0.047	ug/L	8081B
Heptachlor		0.23	p	0.047	ug/L	8081B
Heptachlor epoxide		0.23		0.047	ug/L	8081B
180-33891-7	**WG-9954-061314-SG-016**					
Carbon disulfide		1.3	J	5.0	ug/L	8260C
cis-1,2-Dichloroethene		3.3	J	5.0	ug/L	8260C
Trichloroethene		14		5.0	ug/L	8260C
Chlorobenzene		2.2	J	5.0	ug/L	8260C
1,4-Dichlorobenzene		0.97	J	9.5	ug/L	8270D
1,2,4-Trichlorobenzene		6.2	J	9.5	ug/L	8270D
alpha-BHC		0.12		0.047	ug/L	8081B
delta-BHC		0.058		0.047	ug/L	8081B
gamma-BHC (Lindane)		0.092		0.047	ug/L	8081B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-33891-11	**RB-9954-061314-SG-018**					
Phenol		3.2		1.9	ug/L	8270D
alpha-BHC		1.1		0.047	ug/L	8081B
beta-BHC		0.075		0.047	ug/L	8081B
delta-BHC		0.52		0.047	ug/L	8081B
gamma-BHC (Lindane)		0.92		0.047	ug/L	8081B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Method	Analyst	Analyst ID
SW846 8260C	Journet, Patrick	PJJ
SW846 8260C	Zukowski, Mike	MAZ
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Oravec, John	JMO
SW846 8082A	Gupta, Ashok	AKG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **TB-9954-061114**

Lab Sample ID: 180-33891-1 Date Sampled: 06/11/2014 0000
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1721				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 123
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	85		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **TB-9954-061114**

Lab Sample ID: 180-33891-1 Date Sampled: 06/11/2014 0000
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1721				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062319.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1838			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1838				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.7	J	1.1	5.0
Methylene Chloride	ND	*	1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		2.0	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		62 - 123
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	81		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062319.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1838			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1838				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
1634-04-4	Methyl Tert Butyl Ether	4.84	7.1	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1751			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1751				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		62 - 123
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	81		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1751			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1751				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1821			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1821				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		62 - 123
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	88		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1821			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1821				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062323.D
Dilution:	125			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 2039			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 2039				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		170	630
Vinyl chloride	ND		160	630
Bromomethane	ND		200	630
Chloroethane	ND		93	630
1,1-Dichloroethene	ND		130	630
Acetone	ND		630	2500
Carbon disulfide	ND		130	630
Methylene Chloride	ND	*	140	630
trans-1,2-Dichloroethene	ND		94	630
1,1-Dichloroethane	ND		130	630
cis-1,2-Dichloroethene	ND		83	630
2-Butanone (MEK)	ND		140	630
Chloroform	ND		130	630
1,1,1-Trichloroethane	ND		130	630
Carbon tetrachloride	ND		140	630
Benzene	6100		120	630
1,2-Dichloroethane	ND		120	630
Trichloroethene	ND		100	630
1,2-Dichloropropane	ND		160	630
Bromodichloromethane	ND		120	630
cis-1,3-Dichloropropene	ND		91	630
4-Methyl-2-pentanone (MIBK)	ND		74	630
Toluene	20000		110	630
trans-1,3-Dichloropropene	ND		73	630
1,1,2-Trichloroethane	ND		150	630
Tetrachloroethene	ND		100	630
2-Hexanone	ND		71	630
Dibromochloromethane	ND		81	630
Chlorobenzene	2300		66	630
Ethylbenzene	ND		78	630
Xylenes, Total	ND		250	1300
Styrene	ND		80	630
Bromoform	ND		130	630
1,1,2,2-Tetrachloroethane	ND		120	630
Vinyl acetate	ND		110	630

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		62 - 123
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062323.D
Dilution:	125			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 2039			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 2039				

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.88	1000	T J
556-67-2	Cyclotetrasiloxane, octamethyl-	12.08	1300	T J N
	Unknown Substituted Benzene	12.28	30000	T J
	Unknown Substituted Benzene	12.40	17000	T J
	Unknown	14.52	1100	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062321.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1938			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1938				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.3	J	1.1	5.0
Methylene Chloride	ND	*	1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	3.3	J	0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	14		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	2.2	J	0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		2.0	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		62 - 123
Toluene-d8 (Surr)	113		80 - 120
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062321.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 1938			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 1938				

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	4.85	10	T J
88-16-4	2-Chloro-benzotrifluoride	11.68	17	T J N
95-49-8	Benzene, 1-chloro-2-methyl-	12.30	31	T J N
	Unknown	15.22	8.6	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1952			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1952				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 123
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 1952			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 1952				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 2022			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 2022				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		62 - 123
Toluene-d8 (Surr)	87		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	89		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 2022			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 2022				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062021.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 2052			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 2052				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	86		80 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	86		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109113	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062021.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/20/2014 2052			Final Weight/Volume:	5 mL
Prep Date:	06/20/2014 2052				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062322.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 2009			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 2009				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		62 - 123
Toluene-d8 (Surr)	114		80 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	95		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109264	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062322.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/23/2014 2009			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 2009				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	12.08	33	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623025.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2109			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623025.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2109			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		35 - 108
2-Fluorophenol	53		26 - 100
Nitrobenzene-d5	58		37 - 104
Phenol-d5	60		30 - 102
Terphenyl-d14	73		25 - 130
2,4,6-Tribromophenol	67		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623025.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2109			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.83	110	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2136			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2136			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	68		37 - 104
Phenol-d5	60		30 - 102
Terphenyl-d14	54		25 - 130
2,4,6-Tribromophenol	65		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2136			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.82	43	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2203			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2203			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		35 - 108
2-Fluorophenol	51		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	53		30 - 102
Terphenyl-d14	59		25 - 130
2,4,6-Tribromophenol	59		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2203			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.82	63	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623028.D
Dilution:	20			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2230			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		2.7	38
Acenaphthylene	ND		2.9	38
Anthracene	ND		2.9	38
Benzo[a]anthracene	ND		2.8	38
Benzo[a]pyrene	ND		2.5	38
Benzo[b]fluoranthene	ND		3.0	38
Benzo[g,h,i]perylene	ND		2.8	38
Benzoic acid	14000		110	940
Benzo[k]fluoranthene	ND		10	38
Benzyl alcohol	290		41	190
Bis(2-chloroethoxy)methane	ND		11	190
Bis(2-chloroethyl)ether	19	J	4.7	38
Bis(2-ethylhexyl) phthalate	ND		240	380
4-Bromophenyl phenyl ether	ND		12	190
Butyl benzyl phthalate	ND		27	190
4-Chloroaniline	ND		17	190
4-Chloro-3-methylphenol	ND		14	190
2-Chloronaphthalene	ND		2.8	38
2-Chlorophenol	ND		31	190
4-Chlorophenyl phenyl ether	ND		9.5	190
Chrysene	ND		2.6	38
Dibenz(a,h)anthracene	ND		2.9	38
Dibenzofuran	ND		12	190
1,2-Dichlorobenzene	34	J	14	190
1,3-Dichlorobenzene	ND		14	190
1,4-Dichlorobenzene	94	J	14	190
3,3'-Dichlorobenzidine	ND		21	190
2,4-Dichlorophenol	660		6.3	38
Diethyl phthalate	ND		28	190
2,4-Dimethylphenol	ND		16	190
Dimethyl phthalate	ND		14	190
Di-n-butyl phthalate	ND		24	190
4,6-Dinitro-2-methylphenol	ND		41	940
2,4-Dinitrophenol	ND		120	940
2,4-Dinitrotoluene	ND		10	190
2,6-Dinitrotoluene	ND		15	190
Di-n-octyl phthalate	ND		39	190
Fluoranthene	ND		3.1	38
Fluorene	ND		4.1	38
Hexachlorobenzene	ND		3.5	38
Hexachlorobutadiene	ND		3.1	38
Hexachlorocyclopentadiene	ND		9.8	190
Hexachloroethane	ND		12	190
Indeno[1,2,3-cd]pyrene	ND		3.8	38
Isophorone	ND		12	190
2-Methylnaphthalene	ND		2.3	38

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623028.D
Dilution:	20			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2230			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	23	J	16	190
4-Methylphenol	53	J	17	190
Naphthalene	ND		2.6	38
2-Nitroaniline	ND		66	940
3-Nitroaniline	ND		61	940
4-Nitroaniline	ND		33	940
Nitrobenzene	ND		16	380
2-Nitrophenol	ND		32	190
4-Nitrophenol	ND		120	940
N-Nitrosodi-n-propylamine	ND		5.8	38
N-Nitrosodiphenylamine	ND		16	190
2,2'-oxybis[1-chloropropane]	ND		3.7	38
Pentachlorophenol	ND		13	190
Phenanthrene	ND		8.1	38
Phenol	62		11	38
Pyrene	ND		3.0	38
1,2,4-Trichlorobenzene	64	J	13	190
2,4,5-Trichlorophenol	ND		29	190
2,4,6-Trichlorophenol	ND		33	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	55	D	35 - 108
2-Fluorophenol	34	D	26 - 100
Nitrobenzene-d5	48	D	37 - 104
Phenol-d5	41	D	30 - 102
Terphenyl-d14	41	D	25 - 130
2,4,6-Tribromophenol	70	D	33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109295	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0623028.D
Dilution:	20			Initial Weight/Volume:	1060 mL
Analysis Date:	06/23/2014 2230			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.46	630	T J
	Unknown	2.75	4300	T J
	Unknown Substituted Benzene	5.56	5000	T J
	Unknown Substituted Benzene	5.62	2600	T J
	Unknown Substituted Benzene	6.99	310	T J
	Unknown	7.40	4100	T J
17849-38-6	Benzenemethanol, 2-chloro-	7.59	490	T J N
74-11-3	Benzoic acid, 4-chloro-	8.27	6400	T J N
118-91-2	Benzoic acid, 2-chloro-	8.43	2100	T J N
	Unknown Substituted Phenol	8.68	630	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2026			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.4	48
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.5
Bis(2-chloroethoxy)methane	ND		0.55	9.5
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.5
Butyl benzyl phthalate	ND		1.4	9.5
4-Chloroaniline	ND		0.84	9.5
4-Chloro-3-methylphenol	ND		0.72	9.5
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.5
4-Chlorophenyl phenyl ether	ND		0.48	9.5
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.59	9.5
1,2-Dichlorobenzene	ND		0.71	9.5
1,3-Dichlorobenzene	ND		0.71	9.5
1,4-Dichlorobenzene	0.97	J	0.71	9.5
3,3'-Dichlorobenzidine	ND		1.1	9.5
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.5
2,4-Dimethylphenol	ND		0.81	9.5
Dimethyl phthalate	ND		0.73	9.5
Di-n-butyl phthalate	ND		1.2	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	48
2,4-Dinitrophenol	ND		5.8	48
2,4-Dinitrotoluene	ND		0.51	9.5
2,6-Dinitrotoluene	ND		0.76	9.5
Di-n-octyl phthalate	ND		2.0	9.5
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.21	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.5
Hexachloroethane	ND		0.60	9.5
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.5
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2026			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	53		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	51		30 - 102
Terphenyl-d14	34		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2026			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0938			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.82	42	T J N
	Unknown	17.71	30	T J
	Unknown	17.77	88	T J
	Unknown	17.81	190	T J
	Unknown	17.90	180	T J
	Unknown	17.94	340	T J
	Unknown	18.02	140	T J
	Unknown	20.26	18	T J
	Unknown	20.30	42	T J
	Unknown	20.35	240	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2053			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2053			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	56		26 - 100
Nitrobenzene-d5	61		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	47		25 - 130
2,4,6-Tribromophenol	61		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2053			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	17.79	110	T J
	Unknown	17.90	160	T J
	Unknown	17.95	240	T J
	Unknown	17.98	180	T J
	Unknown	18.01	220	T J
	Unknown	18.06	350	T J
	Unknown	18.08	380	T J
	Unknown	18.11	300	T J
	Unknown	18.13	330	T J
	Unknown	18.16	1400	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2120			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2120			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	50		35 - 108
2-Fluorophenol	45		26 - 100
Nitrobenzene-d5	54		37 - 104
Phenol-d5	44		30 - 102
Terphenyl-d14	44		25 - 130
2,4,6-Tribromophenol	52		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2120			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.83	97	T J
	Unknown	9.10	6.9	T J
	Unknown	17.80	170	T J
	Unknown	17.93	85	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624028.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2147			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624028.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2147			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	50		35 - 108
2-Fluorophenol	47		26 - 100
Nitrobenzene-d5	54		37 - 104
Phenol-d5	46		30 - 102
Terphenyl-d14	36		25 - 130
2,4,6-Tribromophenol	53		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624028.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	06/24/2014 2147			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.85	260	T J
	Unknown	9.10	9.3	T J
	Unknown	17.00	14	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624029.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2214			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624029.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2214			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.82	9.5
4-Methylphenol	ND		0.86	9.5
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	48
3-Nitroaniline	ND		3.1	48
4-Nitroaniline	ND		1.6	48
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.5
4-Nitrophenol	ND		6.2	48
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.81	9.5
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.5
Phenanthrene	ND		0.41	1.9
Phenol	3.2		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.68	9.5
2,4,5-Trichlorophenol	ND		1.5	9.5
2,4,6-Trichlorophenol	ND		1.7	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		35 - 108
2-Fluorophenol	52		26 - 100
Nitrobenzene-d5	59		37 - 104
Phenol-d5	51		30 - 102
Terphenyl-d14	39		25 - 130
2,4,6-Tribromophenol	51		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-109403	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-109013	Lab File ID:	D0624029.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/24/2014 2214			Final Weight/Volume:	10.0 mL
Prep Date:	06/19/2014 0944			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1435			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		45 - 130
DCB Decachlorobiphenyl (Surr)	93		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1435			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	89		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0856			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0856			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 130
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130
DCB Decachlorobiphenyl (Surr)	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1451			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		45 - 130
DCB Decachlorobiphenyl (Surr)	89		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1451			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 130
DCB Decachlorobiphenyl (Surr)	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0912			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0912			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		45 - 130
Tetrachloro-m-xylene	80		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130
DCB Decachlorobiphenyl (Surr)	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1506			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1506			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0927			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0927			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		45 - 130
Tetrachloro-m-xylene	76		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130
DCB Decachlorobiphenyl (Surr)	89		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1522			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.060	p	0.031	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	5.3		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
delta-BHC	4.8		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	0.12		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	0.067	p	0.035	0.047
gamma-BHC (Lindane)	4.3		0.030	0.047
gamma-Chlordane	0.064	p	0.036	0.047
Heptachlor	0.23	p	0.037	0.047
Heptachlor epoxide	0.23		0.037	0.047
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	194	X	45 - 130
DCB Decachlorobiphenyl (Surr)	102		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1522			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	130		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	5.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0943			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
alpha-BHC	21		0.13	0.24
4,4'-DDT	ND		0.14	0.24
Methoxychlor	ND		0.17	0.47

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	5.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0943			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	114		45 - 130
Tetrachloro-m-xylene	196	X	45 - 130
DCB Decachlorobiphenyl (Surr)	93		45 - 130
DCB Decachlorobiphenyl (Surr)	116		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1537			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.12		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
delta-BHC	0.058		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.092		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		45 - 130
DCB Decachlorobiphenyl (Surr)	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1537			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0958			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0958			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		45 - 130
Tetrachloro-m-xylene	73		45 - 130
DCB Decachlorobiphenyl (Surr)	85		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1553			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1553			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1014			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1014			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
Tetrachloro-m-xylene	80		45 - 130
DCB Decachlorobiphenyl (Surr)	90		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1844			Injection Volume:	1 uL
Prep Date:	06/20/2014 1017			Result Type:	PRIMARY

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1844			Injection Volume:	1 uL
Prep Date:	06/20/2014 1017			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
DCB Decachlorobiphenyl (Surr)	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1305			Injection Volume:	1 uL
Prep Date:	06/20/2014 1017			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1305			Injection Volume:	1 uL
Prep Date:	06/20/2014 1017			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130
DCB Decachlorobiphenyl (Surr)	94		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1608			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		45 - 130
DCB Decachlorobiphenyl (Surr)	91		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1608			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1029			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1029			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		45 - 130
Tetrachloro-m-xylene	83		45 - 130
DCB Decachlorobiphenyl (Surr)	88		45 - 130
DCB Decachlorobiphenyl (Surr)	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1624			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	1.1		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	0.075		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
delta-BHC	0.52		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.92		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	90		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 1624			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1045			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDT	ND		0.028	0.047
Methoxychlor	ND		0.034	0.094

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-109387	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 1045			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
Tetrachloro-m-xylene	79		45 - 130
DCB Decachlorobiphenyl (Surr)	87		45 - 130
DCB Decachlorobiphenyl (Surr)	91		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-007**

Lab Sample ID: 180-33891-3 Date Sampled: 06/13/2014 0855
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 2315			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	73		35 - 140
DCB Decachlorobiphenyl (Surr)	80		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-013**

Lab Sample ID: 180-33891-4 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/23/2014 2347			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	71		35 - 140
DCB Decachlorobiphenyl (Surr)	76		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-014**

Lab Sample ID: 180-33891-5 Date Sampled: 06/13/2014 1300
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0020			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	69		35 - 140
DCB Decachlorobiphenyl (Surr)	78		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-015**

Lab Sample ID: 180-33891-6 Date Sampled: 06/13/2014 1450
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0052			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	92		35 - 140
DCB Decachlorobiphenyl (Surr)	82		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-016**

Lab Sample ID: 180-33891-7 Date Sampled: 06/13/2014 0915
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0124			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	94		35 - 140
DCB Decachlorobiphenyl (Surr)	112		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-017**

Lab Sample ID: 180-33891-8 Date Sampled: 06/13/2014 1015
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0156			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	72		35 - 140
DCB Decachlorobiphenyl (Surr)	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-019**

Lab Sample ID: 180-33891-9 Date Sampled: 06/13/2014 1240
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0333			Injection Volume:	1 uL
Prep Date:	06/20/2014 1017			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	79		35 - 140
DCB Decachlorobiphenyl (Surr)	80		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **WG-9954-061314-SG-020**

Lab Sample ID: 180-33891-10 Date Sampled: 06/13/2014 1355
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0229			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	74		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-33891-1

Client Sample ID: **RB-9954-061314-SG-018**

Lab Sample ID: 180-33891-11 Date Sampled: 06/13/2014 1115
Client Matrix: Water Date Received: 06/14/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-109329	Instrument ID:	CHGC8_R
Prep Method:	3510C	Prep Batch:	180-109132	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	06/24/2014 0301			Injection Volume:	1 uL
Prep Date:	06/20/2014 0909			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	70		35 - 140
DCB Decachlorobiphenyl (Surr)	77		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUAL GW-02-1
SSOW Ref#: 292-402-999-3100
Sampler Name: DTYRAN, S GARDNER

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
TB-9954-061114	WG Q	06/11/2014	00:00	-	-	2	
WG-9954-061114-SG-006	WG	06/11/2014	12:30	2	2	3	
WG-9954-061314-SG-007	WG	06/13/2014	08:55	2	2	3	
WG-9954-061314-SG-013	WG	06/13/2014	13:00	2	2	3	
WG-9954-061314-SG-014	WG	06/13/2014	13:00	2	2	3	
WG-9954-061314-SG-015	WG	06/13/2014	14:50	2	2	3	
WG-9954-061314-SG-016	WG	06/13/2014	09:15	2	2	3	
WG-9954-061314-SG-017	WG	06/13/2014	10:15	2	2	3	
WG-9954-061314-SG-019	WG	06/13/2014	12:40	2	2	3	
WG-9954-061314-SG-020	WG	06/13/2014	13:55	2	2	3	
Total Bottles				**18**	**18**	**29**	**Grand Total:65**

Sample Condition

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

180-33891 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	4	Stephen Gardner	6/13/14	1610	[illegible] TA 8:44	6/14/14	0900
AIRBILL#:							

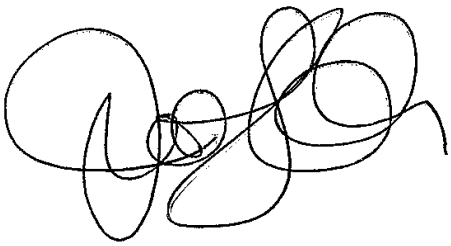
ANALYTICAL REPORT

Job Number: 180-34305-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
7/11/2014 1:30 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/11/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-34305-1

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

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

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

RECEIPT
The samples were received on 6/26/2014 8:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.5º C and 2.1º C.

VOLATILES
The laboratory control standards had compounds recover outside of the control limits. All control compounds recovered within the control limits. All data was reported.

SEMIVOLATILES
Sample WG-9954-062314-SG-012 (180-34305-5) had surrogate 2,4,6-Tribromophenol recover low and outside of the control limits. The sample was re-extracted outside of the holding time. The re-extract had all surrogates recover within the control limits. Both sets of data are reported.

PESTICIDES
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PCBS
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-34305-1	TB-9954-062314	Water	06/23/2014 0000	06/26/2014 0820
180-34305-2	WG-9954-062314-SG-006	Water	06/23/2014 1130	06/26/2014 0820
180-34305-3	WG-9954-062314-SG-010	Water	06/23/2014 1605	06/26/2014 0820
180-34305-4	WG-9954-062314-SG-011	Water	06/25/2014 1250	06/26/2014 0820
180-34305-5	WG-9954-062314-SG-012	Water	06/25/2014 1355	06/26/2014 0820

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Method	Analyst	Analyst ID
SW846 8260C	Journet, Patrick	PJJ
SW846 8260C	Zukowski, Mike	MAZ
SW846 8270D	Bacha, Sharon A	SAB
SW846 8270D	Bungard, Frank	FBB
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Eppinger, David	DFE
SW846 8082A	Gupta, Ashok	AKG

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **TB-9954-062314**

Lab Sample ID: 180-34305-1 Date Sampled: 06/23/2014 0000
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109966	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062921.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2014 1108			Final Weight/Volume:	5 mL
Prep Date:	06/30/2014 1108				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND	*	1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 123
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	84		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **TB-9954-062314**

Lab Sample ID: 180-34305-1 Date Sampled: 06/23/2014 0000
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109966	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062921.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2014 1108			Final Weight/Volume:	5 mL
Prep Date:	06/30/2014 1108				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109966	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062922.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2014 1138			Final Weight/Volume:	5 mL
Prep Date:	06/30/2014 1138				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND	*	1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	114		80 - 120
4-Bromofluorobenzene (Surr)	119		75 - 120
Dibromofluoromethane (Surr)	90		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-109966	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4062922.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	06/30/2014 1138			Final Weight/Volume:	5 mL
Prep Date:	06/30/2014 1138				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	6.37	5.2	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070209.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1324			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 123
Toluene-d8 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070209.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1324			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1324				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	27	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070215.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1603			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1603				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 123
Toluene-d8 (Surr)	117		80 - 120
4-Bromofluorobenzene (Surr)	87		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070215.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1603			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1603				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	79	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070216.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1628			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	79		75 - 120
Dibromofluoromethane (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070216.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1628			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1628				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	62	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/01/2014 1934			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/01/2014 1934			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	44		35 - 108
2-Fluorophenol	40		26 - 100
Nitrobenzene-d5	49		37 - 104
Phenol-d5	39		30 - 102
Terphenyl-d14	30		25 - 130
2,4,6-Tribromophenol	42		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701025.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/01/2014 1934			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.52	7.6	T J
	Unknown	9.79	9.6	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/01/2014 2003			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/01/2014 2003			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	48		35 - 108
2-Fluorophenol	45		26 - 100
Nitrobenzene-d5	52		37 - 104
Phenol-d5	50		30 - 102
Terphenyl-d14	45		25 - 130
2,4,6-Tribromophenol	54		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110150	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-109958	Lab File ID:	N0701026.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/01/2014 2003			Final Weight/Volume:	10.0 mL
Prep Date:	06/29/2014 1439			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.52	7.2	T J
105-60-2	Caprolactam	7.98	170	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1058			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0946			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1058			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0946			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	49		35 - 108
2-Fluorophenol	45		26 - 100
Nitrobenzene-d5	49		37 - 104
Phenol-d5	44		30 - 102
Terphenyl-d14	35		25 - 130
2,4,6-Tribromophenol	38		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1058			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0946			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
994-05-8	Butane, 2-methoxy-2-methyl-	1.18	95	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1127			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0947			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1127			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0947			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	42		35 - 108
2-Fluorophenol	39		26 - 100
Nitrobenzene-d5	43		37 - 104
Phenol-d5	39		30 - 102
Terphenyl-d14	44		25 - 130
2,4,6-Tribromophenol	28	X	33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110538	Instrument ID:	CH722
Prep Method:	3520C	Prep Batch:	180-110016	Lab File ID:	F0707016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/07/2014 1127			Final Weight/Volume:	10.0 mL
Prep Date:	06/30/2014 0947			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
994-05-8	Butane, 2-methoxy-2-methyl-	1.17	78	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110870	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-110755	Lab File ID:	N0709022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/09/2014 1935	Run Type:	RE	Final Weight/Volume:	10.0 mL
Prep Date:	07/08/2014 0946			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND	H	0.14	1.9
Acenaphthylene	ND	H	0.14	1.9
Anthracene	ND	H	0.15	1.9
Benzo[a]anthracene	ND	H	0.14	1.9
Benzo[a]pyrene	ND	H	0.13	1.9
Benzo[b]fluoranthene	ND	H	0.15	1.9
Benzo[g,h,i]perylene	ND	H	0.14	1.9
Benzoic acid	ND	H	5.3	47
Benzo[k]fluoranthene	ND	H	0.52	1.9
Benzyl alcohol	ND	H	2.0	9.4
Bis(2-chloroethoxy)methane	ND	H	0.55	9.4
Bis(2-chloroethyl)ether	ND	H	0.24	1.9
Bis(2-ethylhexyl) phthalate	ND	H	12	19
4-Bromophenyl phenyl ether	ND	H	0.60	9.4
Butyl benzyl phthalate	ND	H	1.3	9.4
4-Chloroaniline	ND	H	0.83	9.4
4-Chloro-3-methylphenol	ND	H	0.71	9.4
2-Chloronaphthalene	ND	H	0.14	1.9
2-Chlorophenol	ND	H	1.6	9.4
4-Chlorophenyl phenyl ether	ND	H	0.47	9.4
Chrysene	ND	H	0.13	1.9
Dibenz(a,h)anthracene	ND	H	0.15	1.9
Dibenzofuran	ND	H	0.58	9.4
1,2-Dichlorobenzene	ND	H	0.71	9.4
1,3-Dichlorobenzene	ND	H	0.70	9.4
1,4-Dichlorobenzene	ND	H	0.70	9.4
3,3'-Dichlorobenzidine	ND	H	1.1	9.4
2,4-Dichlorophenol	ND	H	0.32	1.9
Diethyl phthalate	ND	H	1.4	9.4
2,4-Dimethylphenol	ND	H	0.80	9.4
Dimethyl phthalate	ND	H	0.72	9.4
Di-n-butyl phthalate	ND	H	1.2	9.4
4,6-Dinitro-2-methylphenol	ND	H	2.1	47
2,4-Dinitrophenol	ND	H	5.8	47
2,4-Dinitrotoluene	ND	H	0.51	9.4
2,6-Dinitrotoluene	ND	H	0.75	9.4
Di-n-octyl phthalate	ND	H	1.9	9.4
Fluoranthene	ND	H	0.15	1.9
Fluorene	ND	H	0.20	1.9
Hexachlorobenzene	ND	H	0.17	1.9
Hexachlorobutadiene	ND	H	0.16	1.9
Hexachlorocyclopentadiene	ND	H	0.49	9.4
Hexachloroethane	ND	H	0.59	9.4
Indeno[1,2,3-cd]pyrene	ND	H	0.19	1.9
Isophorone	ND	H	0.61	9.4
2-Methylnaphthalene	ND	H	0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110870	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-110755	Lab File ID:	N0709022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/09/2014 1935	Run Type:	RE	Final Weight/Volume:	10.0 mL
Prep Date:	07/08/2014 0946			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND	H	0.81	9.4
4-Methylphenol	ND	H	0.85	9.4
Naphthalene	ND	H	0.13	1.9
2-Nitroaniline	ND	H	3.3	47
3-Nitroaniline	ND	H	3.0	47
4-Nitroaniline	ND	H	1.6	47
Nitrobenzene	ND	H	0.80	19
2-Nitrophenol	ND	H	1.6	9.4
4-Nitrophenol	ND	H	6.1	47
N-Nitrosodi-n-propylamine	ND	H	0.29	1.9
N-Nitrosodiphenylamine	ND	H	0.80	9.4
2,2'-oxybis[1-chloropropane]	ND	H	0.19	1.9
Pentachlorophenol	ND	H	0.63	9.4
Phenanthrene	ND	H	0.40	1.9
Phenol	ND	H	0.55	1.9
Pyrene	ND	H	0.15	1.9
1,2,4-Trichlorobenzene	ND	H	0.67	9.4
2,4,5-Trichlorophenol	ND	H	1.4	9.4
2,4,6-Trichlorophenol	ND	H	1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	48		35 - 108
2-Fluorophenol	45		26 - 100
Nitrobenzene-d5	52		37 - 104
Phenol-d5	46		30 - 102
Terphenyl-d14	40		25 - 130
2,4,6-Tribromophenol	56		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110870	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-110755	Lab File ID:	N0709022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/09/2014 1935	Run Type:	RE	Final Weight/Volume:	10.0 mL
Prep Date:	07/08/2014 0946			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.92	6.9	T H J N
	Unknown	12.27	9.9	T H J
	Unknown	17.88	16	T H J
	Unknown	19.02	4.0	T H J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1522			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 130
DCB Decachlorobiphenyl (Surr)	94		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1522			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1538			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1538			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	95		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1553			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1553			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		45 - 130
DCB Decachlorobiphenyl (Surr)	92		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1609			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110277	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 1609			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-006**

Lab Sample ID: 180-34305-2 Date Sampled: 06/23/2014 1130
Client Matrix: Water Date Received: 06/26/2014 0820

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110307	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 2103			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	64		35 - 140
DCB Decachlorobiphenyl (Surr)	86		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-010**

Lab Sample ID: 180-34305-3 Date Sampled: 06/23/2014 1605
Client Matrix: Water Date Received: 06/26/2014 0820

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110307	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 2135			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	74		35 - 140
DCB Decachlorobiphenyl (Surr)	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-011**

Lab Sample ID: 180-34305-4 Date Sampled: 06/25/2014 1250
Client Matrix: Water Date Received: 06/26/2014 0820

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110307	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 2207			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	86		35 - 140
DCB Decachlorobiphenyl (Surr)	88		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34305-1

Client Sample ID: **WG-9954-062314-SG-012**

Lab Sample ID: 180-34305-5 Date Sampled: 06/25/2014 1355
Client Matrix: Water Date Received: 06/26/2014 0820

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110307	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-109992	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/02/2014 2238			Injection Volume:	1 uL
Prep Date:	06/30/2014 0814			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	76		35 - 140
DCB Decachlorobiphenyl (Surr)	84		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUAL GW-03-1
SSOW Ref#: 292-402-999-3100
Sampler Name: S GARDNER

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
TB-9954-062314	WG Q	06/23/2014	00:00	0	0	2	
WG-9954-062314-SG-006	WG	06/23/2014	11:30	2	2	3	
WG-9954-062314-SG-010	WG	06/23/2014	16:05	2	2	3	
WG-9954-062514-SG-011	WG	06/25/2014	12:50	2	2	3	
WG-9954-062514-SG-012	WG	06/25/2014	13:55	2	2	3	
Total Bottles				8	8	14	**Grand Total:30**

Sample Condition

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

180-34305 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Sam Gardner	6/25/14	1610		6/26/14	900
AIRBILL#:							

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

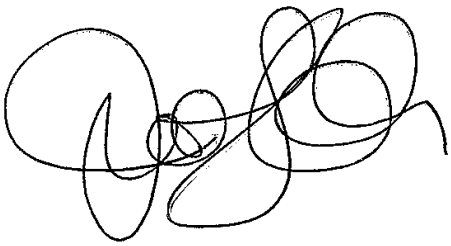
ANALYTICAL REPORT

Job Number: 180-34404-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
7/14/2014 1:08 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/14/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-34404-1

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

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

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

RECEIPT
The samples were received on 6/28/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.1º C, 3.5º C, 4.3º C and 4.5º C.

VOLATILES
The laboratory control standards recovered outside of the control limits for several compounds. All control compounds recovered within the control limits. All data was reported.

The matrix spike and matrix spike duplicate of sample WG-9954-062614-SG-024 (180-34404-5) recovered outside of the control limits for carbon disulfide and/or chloroethane. The relative percent difference between the matrix spike and the matrix spike duplicate was outside of the control limits for acetone.

SEMIVOLATILES
The matrix spike duplicate of sample WG-9954-062614-SG-024 (180-34404-5) recovered outside of the control limits for benzoic acid.

PESTICIDES
The matrix spike and matrix spike duplicate of sample WG-9954-062614-SG-024 (180-34404-5) recovered outside of the control limits for 4,4'-DDT, endosulfan I and methoxychlor.

The continuing calibration verification (CCV) associated with batch 180-110724 recovered above the upper control limit for 4,4'-DDT and methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

PCBS
No analytical or quality issues were noted, other than those describ

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch <<110427>>.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-34404-1	TB-9954-062614	Water	06/26/2014 0000	06/28/2014 0920
180-34404-2	WG-9954-062614-SG-021	Water	06/26/2014 1120	06/28/2014 0920
180-34404-3	WG-9954-062614-SG-022	Water	06/26/2014 1215	06/28/2014 0920
180-34404-4	WG-9954-062614-SG-023	Water	06/26/2014 1405	06/28/2014 0920
180-34404-5	WG-9954-062614-SG-024	Water	06/26/2014 1500	06/28/2014 0920
180-34404-5MS	WG-9954-062614-SG-024	Water	06/26/2014 1500	06/28/2014 0920
180-34404-5MSD	WG-9954-062614-SG-024	Water	06/26/2014 1500	06/28/2014 0920
180-34404-6	WG-9954-062714-SG-026	Water	06/27/2014 1345	06/28/2014 0920
180-34404-7	WG-9954-062714-SG-028	Water	06/27/2014 1420	06/28/2014 0920
180-34404-8	WG-9954-062714-SG-027	Water	06/27/2014 1410	06/28/2014 0920
180-34404-9	RB-9954-062714-SG-025	Water	06/27/2014 1315	06/28/2014 0920

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-34404-2	**WG-9954-062614-SG-021**					
Aldrin		0.031	J p	0.047	ug/L	8081B
delta-BHC		0.042	J p	0.047	ug/L	8081B
180-34404-3	**WG-9954-062614-SG-022**					
Carbon disulfide		1.6	J	5.0	ug/L	8260C
180-34404-4	**WG-9954-062614-SG-023**					
Carbon disulfide		2.9	J	5.0	ug/L	8260C
alpha-BHC		0.034	J	0.047	ug/L	8081B
delta-BHC		0.016	J p	0.047	ug/L	8081B
180-34404-7	**WG-9954-062714-SG-028**					
Naphthalene		0.84	J	1.9	ug/L	8270D
180-34404-8	**WG-9954-062714-SG-027**					
Carbon disulfide		2.4	J	5.0	ug/L	8260C
180-34404-9	**RB-9954-062714-SG-025**					
alpha-BHC		0.84		0.047	ug/L	8081B
delta-BHC		0.34		0.047	ug/L	8081B
gamma-BHC (Lindane)		0.66		0.047	ug/L	8081B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Method	Analyst	Analyst ID
SW846 8260C	Journet, Patrick	PJJ
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Eppinger, David	DFE
SW846 8082A	Oravec, John	JMO

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **TB-9954-062614**

Lab Sample ID: 180-34404-1 Date Sampled: 06/26/2014 0000
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070206.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1208			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1208				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 123
Toluene-d8 (Surr)	115		80 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	84		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **TB-9954-062614**

Lab Sample ID: 180-34404-1 Date Sampled: 06/26/2014 0000
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070206.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1208			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1208				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070217.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1653			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		62 - 123
Toluene-d8 (Surr)	113		80 - 120
4-Bromofluorobenzene (Surr)	85		75 - 120
Dibromofluoromethane (Surr)	103		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070217.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1653			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1653				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	130	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070218.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1717			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1717				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.6	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 123
Toluene-d8 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	83		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070218.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1717			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1717				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	120	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070219.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1742				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	2.9	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		62 - 123
Toluene-d8 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	104		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070219.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1742				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	140	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070207.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1235			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1235				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	115		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	87		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070207.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1235			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1235				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	86	T J N
74-88-4	Iodomethane	1.96	4.8	J
110-54-3	Hexane	2.49	1.6	J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110406	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070323.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 1929			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 1929				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND	*	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		62 - 123
Toluene-d8 (Surr)	120		80 - 120
4-Bromofluorobenzene (Surr)	85		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110406	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070323.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 1929			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 1929				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	63	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110406	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070324.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 1954			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 1954				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND	*	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	119		80 - 120
4-Bromofluorobenzene (Surr)	79		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110406	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070324.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 1954			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 1954				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	0.90	32	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070222.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1856			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1856				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	2.4	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		62 - 123
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	79		75 - 120
Dibromofluoromethane (Surr)	101		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070222.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1856			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1856				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	170	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070223.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1920			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1920				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND	*	0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		62 - 123
Toluene-d8 (Surr)	120		80 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-110263	Instrument ID:	CHHP9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	9070223.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1920			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1920				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.11	140	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1713			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1713			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	46		26 - 100
Nitrobenzene-d5	56		37 - 104
Phenol-d5	38		30 - 102
Terphenyl-d14	26		25 - 130
2,4,6-Tribromophenol	54		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1713			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1741			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1741			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	58		35 - 108
2-Fluorophenol	52		26 - 100
Nitrobenzene-d5	61		37 - 104
Phenol-d5	47		30 - 102
Terphenyl-d14	41		25 - 130
2,4,6-Tribromophenol	62		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1741			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.82	7.0	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1809			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1809			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		35 - 108
2-Fluorophenol	50		26 - 100
Nitrobenzene-d5	63		37 - 104
Phenol-d5	47		30 - 102
Terphenyl-d14	38		25 - 130
2,4,6-Tribromophenol	59		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1809			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.83	50	T J
	Unknown	9.01	13	T J
	Unknown	12.08	5.0	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1837			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1837			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		35 - 108
2-Fluorophenol	59		26 - 100
Nitrobenzene-d5	68		37 - 104
Phenol-d5	55		30 - 102
Terphenyl-d14	41		25 - 130
2,4,6-Tribromophenol	63		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110612	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110271	Lab File ID:	V0707019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/07/2014 1837			Final Weight/Volume:	10.0 mL
Prep Date:	07/02/2014 0825			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.83	76	T J
	Unknown	9.01	9.9	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1732			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1732			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	48		35 - 108
2-Fluorophenol	37		26 - 100
Nitrobenzene-d5	43		37 - 104
Phenol-d5	38		30 - 102
Terphenyl-d14	44		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710016.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1732			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	2.61	46	T J
	Unknown	7.67	93	T J
	Unknown	7.80	14	T J
	Unknown	10.98	11	T J
	Unknown	11.13	79	T J
	Unknown	11.30	200	T J
	Unknown	15.31	14	T J
	Unknown	15.34	11	T J
	Unknown	18.81	31	T J
	Unknown	18.83	22	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1800			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1800			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	0.84	J	0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	61		35 - 108
2-Fluorophenol	54		26 - 100
Nitrobenzene-d5	63		37 - 104
Phenol-d5	51		30 - 102
Terphenyl-d14	46		25 - 130
2,4,6-Tribromophenol	55		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710017.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1800			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	2.62	49	T J
	Unknown	6.93	32	T J
	Unknown	7.67	190	T J
	Unknown	7.80	8.6	T J
	Unknown	8.51	10	T J
	Unknown	9.04	27	T J
	Unknown	9.91	39	T J
	Unknown	10.34	26	T J
	Unknown	11.20	33	T J
	Unknown	11.29	34	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1828			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1828			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		35 - 108
2-Fluorophenol	39		26 - 100
Nitrobenzene-d5	50		37 - 104
Phenol-d5	39		30 - 102
Terphenyl-d14	44		25 - 130
2,4,6-Tribromophenol	45		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-110995	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0710018.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/10/2014 1828			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.84	17	T J
	Unknown	4.32	12	T J
	Unknown	6.93	5.8	T J
	Unknown	7.81	31	T J
	Unknown	9.00	5.0	T J
	Unknown	11.17	6.9	T J
	Unknown	11.22	4.0	T J
	Unknown	11.56	3.8	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111139	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0711009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/11/2014 1523			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111139	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0711009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/11/2014 1523			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	80		35 - 108
2-Fluorophenol	62		26 - 100
Nitrobenzene-d5	86		37 - 104
Phenol-d5	68		30 - 102
Terphenyl-d14	85		25 - 130
2,4,6-Tribromophenol	70		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111139	Instrument ID:	CH731
Prep Method:	3520C	Prep Batch:	180-110427	Lab File ID:	V0711009.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/11/2014 1523			Final Weight/Volume:	10.0 mL
Prep Date:	07/03/2014 0853			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2104			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.031	J p	0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.042	J p	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2104			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2119			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2119			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2135			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	88		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2135			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2150			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2150			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1038			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1038			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1054			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1054			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1109			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110881	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1109			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 0026			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	0.84		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.34		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	0.66		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-110724	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 0026			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		45 - 130
DCB Decachlorobiphenyl (Surr)	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-021**

Lab Sample ID: 180-34404-2 Date Sampled: 06/26/2014 1120
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110792	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2022			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	100		35 - 140
DCB Decachlorobiphenyl (Surr)	85		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-022**

Lab Sample ID: 180-34404-3 Date Sampled: 06/26/2014 1215
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110792	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2054			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	92		35 - 140
DCB Decachlorobiphenyl (Surr)	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-023**

Lab Sample ID: 180-34404-4 Date Sampled: 06/26/2014 1405
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110792	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2125			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	85		35 - 140
DCB Decachlorobiphenyl (Surr)	92		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062614-SG-024**

Lab Sample ID: 180-34404-5 Date Sampled: 06/26/2014 1500
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110792	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/08/2014 2157			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	86		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-026**

Lab Sample ID: 180-34404-6 Date Sampled: 06/27/2014 1345
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110928	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1339			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	84		35 - 140
DCB Decachlorobiphenyl (Surr)	90		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-028**

Lab Sample ID: 180-34404-7 Date Sampled: 06/27/2014 1420
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110928	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1410			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	80		35 - 140
DCB Decachlorobiphenyl (Surr)	82		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **WG-9954-062714-SG-027**

Lab Sample ID: 180-34404-8 Date Sampled: 06/27/2014 1410
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110928	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 1442			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	78		35 - 140
DCB Decachlorobiphenyl (Surr)	87		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34404-1

Client Sample ID: **RB-9954-062714-SG-025**

Lab Sample ID: 180-34404-9 Date Sampled: 06/27/2014 1315
Client Matrix: Water Date Received: 06/28/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-110792	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-110237	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/09/2014 0208			Injection Volume:	1 uL
Prep Date:	07/01/2014 1445			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	80		35 - 140
DCB Decachlorobiphenyl (Surr)	82		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUAL GW-04-1
SSOW Ref#: 292-402-999-3100
Sampler Name: S GARDNER

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none)	VOA(HCl)	Remarks
TB-9954-062614	WG Q	06/26/2014	00:00	0	0	3	
WG-9954-062614-SG-021	WG	06/26/2014	11:20	2	2	3	
WG-9954-062614-SG-022	WG	06/26/2014	12:15	2	2	3	
WG-9954-062614-SG-023	WG	06/26/2014	14:05	2	2	3	
WG-9954-062614-SG-024	WG	06/26/2014	15:00	6	6	9	MS/MSD
WG-9954-062714-SG-026	WG	06/27/2014	13:45	2	2	3	
WG-9954-062714-SG-028	WG	06/27/2014	14:20	2	2	3	
WG-9954-062714-SG-027	WG	06/27/2014	14:10	2	2	3	
RB-9954-062714-SG-025	WG Q	06/27/2014	13:15	2	2	3	
Total Bottles				**20**	**20**	**33**	**Grand Total:73**

Sample Condition

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

180-34404 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	4	Shawn Haldner	6/27/14	1530	Debbie Watson	6-28-14	9:20
AIRBILL#:							

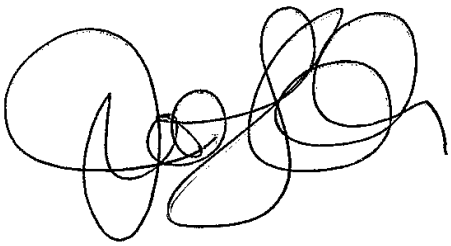
ANALYTICAL REPORT

Job Number: 180-34658-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
7/21/2014 12:03 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/21/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-34658-1

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

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

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

RECEIPT
The samples were received on 7/9/2014 10:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.8º C and 1.4º C.

VOLATILES
The laboratory control standard for batch 180-111035 recovered outside of the control limits for vinyl acetate. All control compounds recovered with the control limits. All data was reported.

SEMIVOLATILES
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES
The continuing calibration verification standard (CCV) associated with the samples recovered above the upper control limit for 4,4'-DDT and methoxychlor. The samples associated with this CCV were non-detect for these compounds. All data was reported.

PCBS
The continuing calibration verification standard (CCV) associated with the samples recovered above the upper control limits for PCB-1016. All associated samples were non-detect for all PCBs. All data was reported.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-34658-1	TB-9954-070814	Water	07/08/2014 0000	07/09/2014 1145
180-34658-2	WG-9954-070814-SG-029	Water	07/08/2014 0925	07/09/2014 1145
180-34658-3	WG-9954-070814-SG-030	Water	07/08/2014 1040	07/09/2014 1145
180-34658-4	WG-9954-070814-SG-031	Water	07/08/2014 1130	07/09/2014 1145
180-34658-5	WG-9954-070814-SG-032	Water	07/08/2014 1255	07/09/2014 1145
180-34658-6	WG-9954-070814-SG-033	Water	07/08/2014 1255	07/09/2014 1145

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-34658-1	**TB-9954-070814**					
Carbon disulfide		1.5	J	5.0	ug/L	8260C
180-34658-2	**WG-9954-070814-SG-029**					
Acetone		5.2	J	20	ug/L	8260C
180-34658-3	**WG-9954-070814-SG-030**					
delta-BHC		0.054		0.047	ug/L	8081B
180-34658-4	**WG-9954-070814-SG-031**					
Carbon disulfide		1.2	J	5.0	ug/L	8260C
180-34658-5	**WG-9954-070814-SG-032**					
Carbon disulfide		2.2	J	5.0	ug/L	8260C
180-34658-6	**WG-9954-070814-SG-033**					
Carbon disulfide		1.4	J	5.0	ug/L	8260C

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Method	Analyst	Analyst ID
SW846 8260C	Zukowski, Mike	MAZ
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Eppinger, David	DFE
SW846 8082A	Oravec, John	JMO

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **TB-9954-070814**

Lab Sample ID: 180-34658-1 Date Sampled: 07/08/2014 0000
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1857			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1857				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.5	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **TB-9954-070814**

Lab Sample ID: 180-34658-1 Date Sampled: 07/08/2014 0000
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1857			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1857				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.88	7.1	T J N

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1641			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1641				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	5.2	J	5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 123
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	95		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1641			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1641				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1708			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1708				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 123
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1708			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1708				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1735			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1735				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.2	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		62 - 123
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	93		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1735			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1735				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.88	11	T J N
	Unknown	2.32	6.1	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1803			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1803				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	2.2	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		62 - 123
Toluene-d8 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1803			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1803				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.88	17	T J N
	Unknown	2.32	5.5	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1830			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.4	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND	*	0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 123
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	94		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111035	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4071019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/10/2014 1830			Final Weight/Volume:	5 mL
Prep Date:	07/10/2014 1830				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.88	21	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111367	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0714013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/14/2014 1525			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111367	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0714013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/14/2014 1525			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	52		35 - 108
2-Fluorophenol	51		26 - 100
Nitrobenzene-d5	58		37 - 104
Phenol-d5	53		30 - 102
Terphenyl-d14	28		25 - 130
2,4,6-Tribromophenol	45		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111367	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0714013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/14/2014 1525			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715020.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1631			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715020.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1631			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	74		35 - 108
2-Fluorophenol	76		26 - 100
Nitrobenzene-d5	86		37 - 104
Phenol-d5	80		30 - 102
Terphenyl-d14	48		25 - 130
2,4,6-Tribromophenol	72		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715020.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1631			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.94	14	T J N
	Unknown	9.16	4.4	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715021.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1658			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715021.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1658			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	80		35 - 108
2-Fluorophenol	76		26 - 100
Nitrobenzene-d5	87		37 - 104
Phenol-d5	79		30 - 102
Terphenyl-d14	46		25 - 130
2,4,6-Tribromophenol	66		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715021.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1658			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.94	26	T J N
	Unknown	9.15	6.4	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1726			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1726			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		35 - 108
2-Fluorophenol	69		26 - 100
Nitrobenzene-d5	80		37 - 104
Phenol-d5	69		30 - 102
Terphenyl-d14	42		25 - 130
2,4,6-Tribromophenol	60		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715022.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1726			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.93	26	T J N
	Unknown	9.15	7.8	T J
	Unknown	12.32	5.7	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715023.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1753			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715023.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1753			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	74		35 - 108
2-Fluorophenol	72		26 - 100
Nitrobenzene-d5	82		37 - 104
Phenol-d5	72		30 - 102
Terphenyl-d14	41		25 - 130
2,4,6-Tribromophenol	54		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111022	Lab File ID:	N0715023.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1753			Final Weight/Volume:	10.0 mL
Prep Date:	07/10/2014 0928			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
105-60-2	Caprolactam	7.94	62	T J N
	Unknown	9.15	9.9	T J
	Unknown	12.32	11	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1105			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		45 - 130
DCB Decachlorobiphenyl (Surr)	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1105			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		45 - 130
DCB Decachlorobiphenyl (Surr)	77		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1121			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.054		0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1121			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	80		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1136			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1136			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
DCB Decachlorobiphenyl (Surr)	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1152			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1152			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1207			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	83		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1207			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		45 - 130
DCB Decachlorobiphenyl (Surr)	79		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-029**

Lab Sample ID: 180-34658-2 Date Sampled: 07/08/2014 0925
Client Matrix: Water Date Received: 07/09/2014 1145

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111191	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2014 1231			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	75		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-030**

Lab Sample ID: 180-34658-3 Date Sampled: 07/08/2014 1040
Client Matrix: Water Date Received: 07/09/2014 1145

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111191	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2014 1302			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	83		35 - 140
DCB Decachlorobiphenyl (Surr)	78		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-031**

Lab Sample ID: 180-34658-4 Date Sampled: 07/08/2014 1130
Client Matrix: Water Date Received: 07/09/2014 1145

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111191	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2014 1334			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	81		35 - 140
DCB Decachlorobiphenyl (Surr)	78		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-032**

Lab Sample ID: 180-34658-5 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111191	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2014 1406			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	80		35 - 140
DCB Decachlorobiphenyl (Surr)	81		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34658-1

Client Sample ID: **WG-9954-070814-SG-033**

Lab Sample ID: 180-34658-6 Date Sampled: 07/08/2014 1255
Client Matrix: Water Date Received: 07/09/2014 1145

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111191	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111101	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2014 1438			Injection Volume:	1 uL
Prep Date:	07/10/2014 1430			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	76		35 - 140
DCB Decachlorobiphenyl (Surr)	76		35 - 140

CHAIN-OF-CUSTODY/Analytical Request Document

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

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUAL GW-05-1
SSOW Ref#: 292-402-999-3100
Sampler Name: S GARDNER

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

Sample Identification	Matrix Code	Date Collected	Time Collected	PestPCBs(None)	SVOC(none) ✓	VOA(HCl) ✓	Remarks
TB-9954-070814	WG Q	07/08/2014	00:00	0	0	3	
WG-9954-070814-SG-029	WG	07/08/2014	09:25	2	2	3	
WG-9954-070814-SG-030	WG	07/08/2014	10:40	2	2	3	
WG-9954-070814-SG-031	WG	07/08/2014	11:30	2	2	3	
WG-9954-070814-SG-032	WG	07/08/2014	12:55	2	2	3	
WG-9954-070814-SG-033	WG	07/08/2014	12:55	2	2	3	
Total Bottles				**10**	**10**	**18**	**Grand Total:38**

Sample Condition

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

180-34658 Chain of Custody

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	2	Shawn Gardner	7/8/14	1600	Ryan Bates	7/9/14	1030
AIRBILL#:							

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

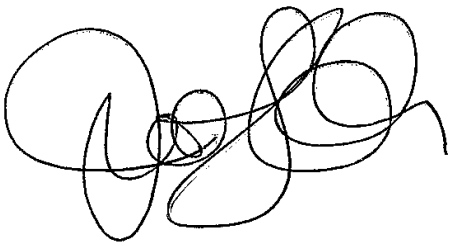
ANALYTICAL REPORT

Job Number: 180-34738-1

Job Description: 9954, Love Canal Annual

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

Attention: Ms. Sue Scrocchi



Approved for release.
Jill L Colussy
Project Manager I
7/21/2014 12:05 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
jill.colussy@testamericainc.com
07/21/2014

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 9954, Love Canal Annual

Report Number: 180-34738-1

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

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

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

RECEIPT
The samples were received on 7/10/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.4° C.

VOLATILES
The matrix spike duplicate of sample WG-9954-070914-SG-035 (180-34738-1) recovered outside of the control limits for Methylene Chloride.

SEMIVOLATILES
Sample WG-9954-070914-SG-035 (180-34738-1) had surrogates 2-Fluorobiphenyl and Terphenyl-d14 recover low and outside of the control limits. The matrix spike and matrix spike duplicate of this sample had surrogate Terphenyl-d14 recover low and outside of the control limits confirming matrix interference. All data was reported.

The matrix spike and matrix spike duplicate of sampleWG-9954-070914-SG-035 (180-34738-1) recovered outside of the control limits for Benzoic acid and Phenol.

PESTICIDES
The matrix spike and matrix spike duplicate of sample WG-9954-070914-SG-035 (180-34738-1) recovered outside of the control limits for 4,4'-DDT and Methoxychlor.

The continuing calibration verification standard (CCV) associated with the samples recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detect for these compounds. All data was reported.

PCBS
No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-34738-1	WG-9954-070914-SG-035	Water	07/09/2014 0945	07/10/2014 0920
180-34738-1MS	WG-9954-070914-SG-035	Water	07/09/2014 0945	07/10/2014 0920
180-34738-1MSD	WG-9954-070914-SG-035	Water	07/09/2014 0945	07/10/2014 0920
180-34738-2	WG-9954-070914-SG-036	Water	07/09/2014 1105	07/10/2014 0920
180-34738-3	WG-9954-070914-SG-037	Water	07/09/2014 1200	07/10/2014 0920
180-34738-4	TB-9954-070914	Water	07/09/2014 0000	07/10/2014 0920
180-34738-5	WG-9954-070914-SG-034	Water	07/08/2014 1415	07/10/2014 0920

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-34738-1	**WG-9954-070914-SG-035**					
delta-BHC		0.018	J p	0.047	ug/L	8081B
180-34738-2	**WG-9954-070914-SG-036**					
Carbon disulfide		1.2	J	5.0	ug/L	8260C

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

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

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

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

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Method	Analyst	Analyst ID
SW846 8260C	Zukowski, Mike	MAZ
SW846 8270D	Piccolino, Vincent	VVP
SW846 8081B	Eppinger, David	DFE
SW846 8082A	Oravec, John	JMO

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072006.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0317			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0317				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 123
Toluene-d8 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	81		75 - 120
Dibromofluoromethane (Surr)	91		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072006.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0317			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0317				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072012.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0605			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0605				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	1.2	J	1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 123
Toluene-d8 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	97		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072012.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0605			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0605				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
7446-09-5	Sulfur dioxide	1.88	9.8	T J N
	Unknown	2.03	6.6	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0632			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0632				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		62 - 123
Toluene-d8 (Surr)	119		80 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	92		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0632			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0632				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **TB-9954-070914**

Lab Sample ID: 180-34738-4 Date Sampled: 07/09/2014 0000
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072007.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0345			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0345				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 123
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	90		75 - 120
Dibromofluoromethane (Surr)	97		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **TB-9954-070914**

Lab Sample ID: 180-34738-4 Date Sampled: 07/09/2014 0000
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072007.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0345			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0345				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0700			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	ND		1.4	5.0
Vinyl chloride	ND		1.3	5.0
Bromomethane	ND		1.6	5.0
Chloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		1.1	5.0
Acetone	ND		5.0	20
Carbon disulfide	ND		1.1	5.0
Methylene Chloride	ND		1.1	5.0
trans-1,2-Dichloroethene	ND		0.75	5.0
1,1-Dichloroethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		0.67	5.0
2-Butanone (MEK)	ND		1.1	5.0
Chloroform	ND		1.0	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
Carbon tetrachloride	ND		1.1	5.0
Benzene	ND		0.99	5.0
1,2-Dichloroethane	ND		0.96	5.0
Trichloroethene	ND		0.80	5.0
1,2-Dichloropropane	ND		1.3	5.0
Bromodichloromethane	ND		0.93	5.0
cis-1,3-Dichloropropene	ND		0.73	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.59	5.0
Toluene	ND		0.85	5.0
trans-1,3-Dichloropropene	ND		0.58	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
Tetrachloroethene	ND		0.82	5.0
2-Hexanone	ND		0.57	5.0
Dibromochloromethane	ND		0.65	5.0
Chlorobenzene	ND		0.53	5.0
Ethylbenzene	ND		0.62	5.0
Xylenes, Total	ND		1.7	10
Styrene	ND		0.64	5.0
Bromoform	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.93	5.0
Vinyl acetate	ND		0.86	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		62 - 123
Toluene-d8 (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	86		80 - 120

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	180-111991	Instrument ID:	CHHP4
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	4072014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2014 0700			Final Weight/Volume:	5 mL
Prep Date:	07/21/2014 0700				

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

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/16/2014 1826			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/16/2014 1826			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	34	X	35 - 108
2-Fluorophenol	34		26 - 100
Nitrobenzene-d5	38		37 - 104
Phenol-d5	37		30 - 102
Terphenyl-d14	18	X	25 - 130
2,4,6-Tribromophenol	49		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716019.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/16/2014 1826			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

Tentatively Identified Compounds **Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.82	130	T J
	Unknown	9.07	3.8	T J
	Unknown	9.45	4.1	T J
	Unknown	11.68	4.4	T J
	Unknown	16.23	4.1	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716022.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/16/2014 1945			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716022.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/16/2014 1945			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	43		35 - 108
2-Fluorophenol	41		26 - 100
Nitrobenzene-d5	46		37 - 104
Phenol-d5	46		30 - 102
Terphenyl-d14	25		25 - 130
2,4,6-Tribromophenol	42		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111566	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0716022.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/16/2014 1945			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.81	49	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111760	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0717012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/17/2014 1427			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111760	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0717012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/17/2014 1427			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	85		35 - 108
2-Fluorophenol	83		26 - 100
Nitrobenzene-d5	91		37 - 104
Phenol-d5	95		30 - 102
Terphenyl-d14	59		25 - 130
2,4,6-Tribromophenol	102		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111760	Instrument ID:	CH732
Prep Method:	3520C	Prep Batch:	180-111334	Lab File ID:	D0717012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	07/17/2014 1427			Final Weight/Volume:	10.0 mL
Prep Date:	07/14/2014 0911			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	7.79	140	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111163	Lab File ID:	N0715027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1943			Final Weight/Volume:	10.0 mL
Prep Date:	07/11/2014 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	1.9
Acenaphthylene	ND		0.14	1.9
Anthracene	ND		0.15	1.9
Benzo[a]anthracene	ND		0.14	1.9
Benzo[a]pyrene	ND		0.13	1.9
Benzo[b]fluoranthene	ND		0.15	1.9
Benzo[g,h,i]perylene	ND		0.14	1.9
Benzoic acid	ND		5.3	47
Benzo[k]fluoranthene	ND		0.52	1.9
Benzyl alcohol	ND		2.0	9.4
Bis(2-chloroethoxy)methane	ND		0.55	9.4
Bis(2-chloroethyl)ether	ND		0.24	1.9
Bis(2-ethylhexyl) phthalate	ND		12	19
4-Bromophenyl phenyl ether	ND		0.60	9.4
Butyl benzyl phthalate	ND		1.3	9.4
4-Chloroaniline	ND		0.83	9.4
4-Chloro-3-methylphenol	ND		0.71	9.4
2-Chloronaphthalene	ND		0.14	1.9
2-Chlorophenol	ND		1.6	9.4
4-Chlorophenyl phenyl ether	ND		0.47	9.4
Chrysene	ND		0.13	1.9
Dibenz(a,h)anthracene	ND		0.15	1.9
Dibenzofuran	ND		0.58	9.4
1,2-Dichlorobenzene	ND		0.71	9.4
1,3-Dichlorobenzene	ND		0.70	9.4
1,4-Dichlorobenzene	ND		0.70	9.4
3,3'-Dichlorobenzidine	ND		1.1	9.4
2,4-Dichlorophenol	ND		0.32	1.9
Diethyl phthalate	ND		1.4	9.4
2,4-Dimethylphenol	ND		0.80	9.4
Dimethyl phthalate	ND		0.72	9.4
Di-n-butyl phthalate	ND		1.2	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	47
2,4-Dinitrophenol	ND		5.8	47
2,4-Dinitrotoluene	ND		0.51	9.4
2,6-Dinitrotoluene	ND		0.75	9.4
Di-n-octyl phthalate	ND		1.9	9.4
Fluoranthene	ND		0.15	1.9
Fluorene	ND		0.20	1.9
Hexachlorobenzene	ND		0.17	1.9
Hexachlorobutadiene	ND		0.16	1.9
Hexachlorocyclopentadiene	ND		0.49	9.4
Hexachloroethane	ND		0.59	9.4
Indeno[1,2,3-cd]pyrene	ND		0.19	1.9
Isophorone	ND		0.61	9.4
2-Methylnaphthalene	ND		0.12	1.9

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111163	Lab File ID:	N0715027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1943			Final Weight/Volume:	10.0 mL
Prep Date:	07/11/2014 0929			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2-Methylphenol	ND		0.81	9.4
4-Methylphenol	ND		0.85	9.4
Naphthalene	ND		0.13	1.9
2-Nitroaniline	ND		3.3	47
3-Nitroaniline	ND		3.0	47
4-Nitroaniline	ND		1.6	47
Nitrobenzene	ND		0.80	19
2-Nitrophenol	ND		1.6	9.4
4-Nitrophenol	ND		6.1	47
N-Nitrosodi-n-propylamine	ND		0.29	1.9
N-Nitrosodiphenylamine	ND		0.80	9.4
2,2'-oxybis[1-chloropropane]	ND		0.19	1.9
Pentachlorophenol	ND		0.63	9.4
Phenanthrene	ND		0.40	1.9
Phenol	ND		0.55	1.9
Pyrene	ND		0.15	1.9
1,2,4-Trichlorobenzene	ND		0.67	9.4
2,4,5-Trichlorophenol	ND		1.4	9.4
2,4,6-Trichlorophenol	ND		1.7	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	52		35 - 108
2-Fluorophenol	52		26 - 100
Nitrobenzene-d5	65		37 - 104
Phenol-d5	51		30 - 102
Terphenyl-d14	32		25 - 130
2,4,6-Tribromophenol	35		33 - 122

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	180-111442	Instrument ID:	CH733
Prep Method:	3520C	Prep Batch:	180-111163	Lab File ID:	N0715027.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	07/15/2014 1943			Final Weight/Volume:	10.0 mL
Prep Date:	07/11/2014 0929			Injection Volume:	2 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	8.00	610	T J

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1340			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.031	0.047
alpha-BHC	ND		0.025	0.047
alpha-Chlordane	ND		0.037	0.047
beta-BHC	ND		0.038	0.047
4,4'-DDD	ND		0.025	0.047
4,4'-DDE	ND		0.030	0.047
4,4'-DDT	ND		0.028	0.047
delta-BHC	0.018	J p	0.016	0.047
Dieldrin	ND		0.031	0.047
Endosulfan I	ND		0.035	0.047
Endosulfan II	ND		0.037	0.047
Endosulfan sulfate	ND		0.022	0.047
Endrin	ND		0.036	0.047
Endrin ketone	ND		0.035	0.047
gamma-BHC (Lindane)	ND		0.030	0.047
gamma-Chlordane	ND		0.036	0.047
Heptachlor	ND		0.037	0.047
Heptachlor epoxide	ND		0.037	0.047
Methoxychlor	ND		0.034	0.094
Toxaphene	ND		0.70	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		45 - 130
DCB Decachlorobiphenyl (Surr)	85		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1340			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1427			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	82		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1427			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		45 - 130
DCB Decachlorobiphenyl (Surr)	78		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1443			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		45 - 130
DCB Decachlorobiphenyl (Surr)	84		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1443			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		45 - 130
DCB Decachlorobiphenyl (Surr)	81		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1325			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		45 - 130
DCB Decachlorobiphenyl (Surr)	87		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	180-111313	Instrument ID:	CHGC15
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/14/2014 1325			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		45 - 130
DCB Decachlorobiphenyl (Surr)	86		45 - 130

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-035**

Lab Sample ID: 180-34738-1 Date Sampled: 07/09/2014 0945
Client Matrix: Water Date Received: 07/10/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111269	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/13/2014 1338			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	88		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-036**

Lab Sample ID: 180-34738-2 Date Sampled: 07/09/2014 1105
Client Matrix: Water Date Received: 07/10/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111269	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/13/2014 1513			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	86		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-037**

Lab Sample ID: 180-34738-3 Date Sampled: 07/09/2014 1200
Client Matrix: Water Date Received: 07/10/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111269	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/13/2014 1545			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	82		35 - 140
DCB Decachlorobiphenyl (Surr)	77		35 - 140

Client: Conestoga-Rovers & Associates, Inc. Job Number: 180-34738-1

Client Sample ID: **WG-9954-070914-SG-034**

Lab Sample ID: 180-34738-5 Date Sampled: 07/08/2014 1415
Client Matrix: Water Date Received: 07/10/2014 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	180-111269	Instrument ID:	CHGC10_R
Prep Method:	3510C	Prep Batch:	180-111224	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	40.0 mL
Analysis Date:	07/13/2014 1306			Injection Volume:	1 uL
Prep Date:	07/11/2014 1320			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	89		35 - 140
DCB Decachlorobiphenyl (Surr)	79		35 - 140

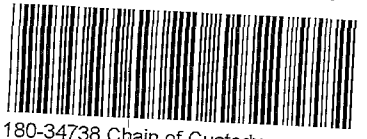
EVENT COMPLETE

CHAIN-OF-CUSTODY/Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information	
GLEN SPRINGS HOLDINGS INC	Report To: Susan Scrocchi
805 97TH STREET	Copy To:
LOVE CANAL	
NIAGARA FALLS, NEW YORK 14304	Invoice To:
Phone: 716-283-0111	PO:
Fax: 716-283-2856	Project Name: LOVE CANAL ANNUAL
Email: sscrocchi@craworld.com	Project Number: 9954

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

Event Information
ID#: LOVE CANAL ANNUAL GW-06-1
SSOW Ref#: 292-402-999-3100
Sampler Name: S GARDNER


180-34738 Chain of Custody

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

Sample Condition

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

Sample Identification	Matrix Code	Date Collected	Time Collected	Pest/PCBs(None)	SVOC(none)	VOA(HCl)	Remarks
WG-9954-070914-SG-035	WG	07/09/2014	09:45	6	6	9	MS/MSD
WG-9954-070914-SG-036	WG	07/09/2014	11:05	2	2	3	
WG-9954-070914-SG-037	WG	07/09/2014	12:00	2	2	3	
TB-9954-070914	WG Q	07/09/2014	00:00	-	-	2	
WG-9954-070914-SG-034	WG	07/08/2014	14:15	2	2	3	
Total Bottles				12	12	20	Grand Total:44

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY:	DATE	TIME	RECIEVED BY:	DATE	TIME
FedEx	3	Steven P Gardner	7/9/14	1400	Debbie Watson	7-10-14	9:20
AIRBILL#:							

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-34738-1

Login Number: 34738

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

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