



March 21, 2024

Megan Kuczka
Project Manager
New York State Department of Environmental Conservation
700 Delaware Avenue
Buffalo, NY 14209.

Re: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Buffalo Color Corporation Area E Site
Site No.: C915232
Site Address: 100 Lee Street (f/k/a 85 Lee Street) et. al.
Buffalo, NY 14210

Dear Ms. Kuczka:

On behalf of South Buffalo Development Corporation, LLC (SBD), Inventum Engineering is submitting this revised periodic review report (PRR) for the Buffalo Color Corporation Area E Site (referred hereafter as the Site).

The revised report incorporates comments on the PRR received from the New York State Department of Environmental Conservation (NYSDEC) in an e-mail dated February 28, 2024. The NYSDEC's questions and comments are reproduced in the bullets below followed by Inventum's response in *italics*.

- NYSDEC has completed onsite inspections adjacent to the fieldhouse and along Orlando Street. Settlement/cracks have been noted along the fieldhouse (see attached photos) and depressions with Orlando Street. Please provide a schedule for these repairs in the PRR. *The cracks noted in the photos provided by the NYSDEC are due to surface soil shrinking due to the lack of moisture during extended dry condition, not settlement. Recent photos collected by SBD after receipt of the comment do not show as extensive settlement/cracks. SBD will place additional topsoil along the perimeter of the fieldhouse where settlement/cracking is noted. An import request form will be provided to the NYSDEC prior to placement. Placement is anticipated in April/May 2024.*

Inventum will conduct an inspection on April 10, 2024, to confirm NYSDEC's observations of depressions with Orlando Street. If necessary, a repair plan will be provided 10 days following the inspection. .

Two of the photos provided by the NYSDEC have been added to Appendix D and the PRR revised (Section 1.2.2) in accordance with the response.

- Section 1.1, first bullet – Please note that contaminated soil exceeding site-specific action levels were excavated and disposed of offsite as part of the soil RAO. *The PRR has been revised in accordance with the comment.*
- Section 1.2, third bullet – Replace “demarcation liner” with “demarcation fabric”.

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The PRR has been revised in accordance with the comment.

- Section 1.2.2, second bullet – Please revise text to indicate the RAOs for contaminants of concern have been achieved in groundwater, rather than “successfully remediated”.
The PRR has been revised in accordance with the comment.

This report documents the implementation of, and compliance with, site-specific Site Management (SM) requirements for the reporting period of October 5, 2022 to October 5, 2023.

Please feel free to call with any questions or comments.

Respectfully submitted,



John P. Black, P.E.

Enclosures



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Enclosures



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Enclosure A
Institutional and Engineering Controls Certification Form





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



	Site Details	
Site No.	C915232	Box 1
Site Name Buffalo Color Corporation Area E Site		
Site Address: 100 Lee Street (f/k/a 85 Lee Street) et. al. Zip Code: 14210		
City/Town: Buffalo		
County: Erie		
Site Acreage: 15.800		
Reporting Period: October 05, 2022 to October 05, 2023		
		YES NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NYSDEC approved site use includes restricted-residential. Approval of revised SMP, FER, and environmental easement are pending.		
		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are all ICs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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
		03/13/2024

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Enclosure B



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1 Executive Summary

1.1 Site Summary

The 15.8-acre Area E Site is located at 100 Lee Street (f/k/a 85 Lee Street) in the City of Buffalo, County of Erie, New York. It is one of five areas which comprised the former Buffalo Color Corporation, which produced dyes and organic chemicals until its bankruptcy in 2005.

Remedial investigations determined that Site soil contained concentrations of certain metals and organic substances that exceeded Commercial Use Soil Cleanup Objectives (SCOs). Shallow soil and groundwater on the southwestern portion of Area E were found to contain concentrations of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) that exceeded applicable Commercial Use SCOs and New York State Class GA Groundwater Quality Standards (GWQS). Petroleum (weathered No. 2 fuel oil) in the form of a light non-aqueous phase liquid (LNAPL) was identified on the southeastern side of Area E in shallow soil and shallow groundwater.

The primary remedial objectives at the Area E Site were to eliminate the potential for direct contact with impacted soils and to eliminate the potential for impacted groundwater to discharge off-Site. The key remedial actions for the Site included:

- Excavation and off-Site disposal of soils containing constituents exceeding site specific action levels;
- Utilization of a bioremediation enhancement agent (Regenesis ORC-A) within source excavation backfill to promote the bioremediation of residual soil and groundwater contamination;
- Installation of an integrated Site-wide cover system to prevent human exposure to remaining contamination at the Site;
- Abandonment/plugging of unused process sewers and rehabilitation of the existing storm sewer system;
- Execution and recording of an Environmental Easement to restrict land use and address future exposure to any remaining contamination at the Site; and
- Development and implementation of a Site Management Plan for long term management of remaining contamination.

During the reporting period, the following routine Operations, Maintenance, and Monitoring (OMM) activities were completed in accordance with the (1) Site Management Plan, prepared by Mactec Engineering and Consulting P.C. dated September 14, 2011 (referred to hereafter as the SMP) and/or (2) modifications to the monitoring program from prior PRR approvals:

- Quarterly shallow groundwater sampling (Table 1, Figures 1 and 2, Appendices A and B); and
- Quarterly Site inspections (Table 2).

Table 1 summarizes groundwater monitoring results and Figure 2 shows the corresponding VOC concentrations for each of the quarterly sampling events covered within the reporting period for the four monitoring wells remaining in the SMP. Table 1 includes the results metals of analysis conducted during the reporting period (Table 1A) as well as VOCs and SVOCs not historically considered the primary contaminants of concern (COCs) (Table 1B).



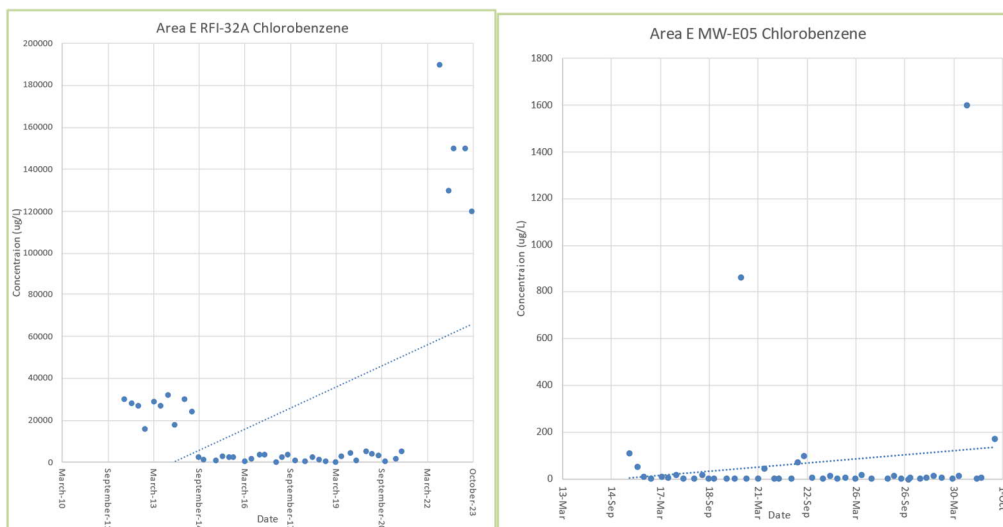
1.2 Effectiveness of the Remedial Program

The following conclusions were developed based on the data collected during the reporting period:

- The central and western portion of Area E (Phase 1 and Phase 2 College Athletic Complex Projects, respectively) have been redeveloped for use as athletic fields with supporting ancillary features (access walkways, bleachers, fieldhouse, and parking). The athletic field complex provides a restricted residential use compliant cover system and is functioning as designed.
- The southeastern portion of Area E remains undeveloped with a commercial use compliant cover system consisting of a vegetated cover, gravel, and or asphalt/concrete. The cover system is functioning as designed.
- The commercial use compliant vegetated cover south of the field house was re-graded during the previous reporting period to provide better drainage (Figure 1; Appendix D). The area had been used for material storage during the site redevelopment. The existing demarcation fabric was not affected during the redevelopment or regrading. An import request for topsoil was submitted during the prior reporting period. The topsoil was placed during this reporting period and the graded area was reseeded (Appendix D). The area will be re-surveyed during the next reporting period to document attainment of a minimum 1-foot cover.
- ORC-A socks were placed in RFI-29 and MW-E05 after the Q2 2023 sampling and will be allowed to sit in the monitoring wells for at least 90-days until the Q4 2023 sample is collected. ORC socks were placed in these wells based on the sampling data from Q4 2022 through Q2 2023 (Table 1), which detected concentrations of chlorobenzene more in-line with historical trends and, at MW-E05, at least an order of magnitude less than what appears to have been an outlier detection in the Q3 2022 (8/17/2022) sample.
- Chlorobenzene concentrations at RFI-32AR continued to be significantly elevated compared to historical trends at RFI-32A. RFI-32AR was sampled for the first time in Q3 2022 after re-installation and development. The subsequent sampling data during this reporting period (Q4 2022 through Q3 2023) confirms that the Q3 2022 data was not an outlier. The new location appears to be in an area outside of the original remedial action excavation (Appendix E). ORC socks were proposed to be placed in RFI-32AR; however, the efficacy of the socks at the Chlorobenzene concentrations seen would have been very limited based on the proposed application timeframe and the socks were not installed in favor of gathering additional data to support future actions. Continued monitoring at RFI-32AR is recommended during the next reporting period as well as a technical evaluation of additional actions for this area that are better suited to reduce elevated concentrations of chlorobenzene.
- Samples from three monitoring wells (Table 1) contained concentrations of COCs above GWQS during the reporting period:
 - RFI-29 contained COCs at concentrations consistent with levels seen over the prior reporting periods;
 - MW-E05 contained chlorobenzene at concentrations that fluctuated from below the GWQS (Q4 2022 and Q1 2023) to above historical trend levels (Q2 2023). Chlorobenzene concentrations were an order of magnitude less than the historical high detected in Q3 2022.
 - RFI-32AR continued to contain chlorobenzene at concentrations above historical maximums (Table 1):



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- Non-aqueous phase liquids were not measured in any well (Table 3).
- Figures 3 through 6 provide the interpreted groundwater flow directions during the reporting period. Groundwater flow in the area is apparently south to southwest in the vicinity of RFI-29 and MW-E05. Periodically, there appears to be a slight easterly gradient from MW-E05 to RFI-32AR (Figure 3, 5, and 6). Groundwater on the northern portion of the site near RFI-33 appears to flow more easterly from the direction of the Area C Site.
- Communication testing of the sub-slab depressurization system at the field house was implemented as monthly inspection task in July 2023. Pressure differentials for testing conducted at the four pre-installed sample ports (Figure 7) are provided in Table 4. Each measurement exceeded the pressure differential creation objective of -0.004 inches of water column (wci) as well as a typical system design pressure differential of -0.010 wci. The SSD system continues to operate as designed.

There was no change in site use during the reporting period. No groundwater use occurred during the reporting period. Topsoil was imported to the site for the Commercial Use compliant cover restoration of the area south of the field house (Appendix C). No other materials were imported to the Site during the reporting period. No excavations were conducted during the reporting period.

1.2.1 Progress During the Reporting Period

Re-grading of the commercial use compliant vegetated cover in the area south of the field house was initiated in September 2022 and completed in May 2023 with the placement and fine grading of topsoil imported during the reporting period (Figure 1). The area will be surveyed during the next reporting period to complete the corrective measures.

ORC-A socks were installed in monitoring wells RFI-29 and MW-E05 after the second quarter sampling (June 2023) to provide a localized controlled-release of oxygen as an enhancement to the naturally occurring degradation of remaining low-level contaminants. The socks will be allowed to sit in the wells



for a minimum of 90 days and will be pulled prior to re-development and sampling in Q4 2023. There was no sample collected from RFI-29 or MW-E05 during Q3 2023 while the socks were in the wells.

1.2.2 Progress to Remedial Objectives for the Site

The following conclusions were developed based on data collected during the reporting period:

- Site inspection reports (Table 2) confirm the remedy remained protective for preventing inadvertent direct contact with impacted soils. The NYSDEC has documented some cracking in the cover soils around the perimeter of the field house (Appendix D) due to surface soil shrinkage from lack of moisture during extended dry conditions. Additional topsoil will be placed along the perimeter of the fieldhouse where settlement/cracking is noted. The cover repair is anticipated to be completed in April/May 2024 and an import request form will be submitted prior to placement. The NYSDEC has also noted depressions with Orlando Street requiring repair. This area will be inspected by Inventum in April 2024, and if necessary, a repair plan will be provided to the NYSDEC.
- The RAOs for groundwater have been achieved in the northern and eastern portions of the site (Figure 2) except in the vicinity of monitoring wells RFI-29, MW-E05, and RFI-32A.
- The field house includes an active sub-slab depressurization system designed in accordance with the SMP. The system includes a series of perforated piping and fans and was operating as designed. Sub-slab pressure testing was conducted monthly beginning in July 2023 and will continue on a monthly basis going forward.
- The groundwater concentrations in the southwest corner of the site remain above the goals for the site. Data collected during the reporting period confirm the marked increase in chlorobenzene concentrations at RFI-32AR initially seen during Q3 of the last reporting period (Table 1). Additional actions will be evaluated and proposed during the next reporting period. Continued monitoring is necessary at RFI-29, MW-E05, and RFI-32AR.

1.3 Compliance

No areas of non-compliance were noted during the reporting period.

1.3.1 Potential Non-compliance

SSD performance monitoring was not conducted over the entirety of the reporting period. Monthly vacuum readings from the permanent sub-slab vapor ports was initiated in July 2023 (Table 4).

1.3.2 Proposed Steps

Regrading of the commercial use compliant vegetated cover south of the fieldhouse was completed during the reporting period and will be re-surveyed during the next reporting period.

1.4 Recommendations

1.4.1 Recommended Changes to the SMP

A draft revised SMP has been submitted to the NYSDEC to document the upgraded site use. A revised FER will be submitted during the next reporting period (Q1 2024).



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An evaluation of additional actions to address elevated concentrations of chlorobenzene in groundwater in the vicinity of RFI-32AR will be conducted during the next reporting period.

1.4.2 Recommend Changes to the Frequency for Submittal of PRRs

There is no recommended change to the frequency of the PRRs at this time.

1.4.3 Recommend Whether the Requirements for Discontinuing Site Management

It is appropriate to continue Site Management.



2 Site Overview

2.1 Site Location

The Site is located at 85 Lee Street in the City of Buffalo, County of Erie, New York. The Site is an approximate 15.8-acre area bounded by Elk Street to the north, industrial property operated by PVS Chemicals to the south, Lee Street to the east, and Orlando Street to the west. All former buildings and ancillary structures that were located on Area E in connection with the operation of the former Buffalo Color Corporation plant have been demolished, and the Site was vacant until mid-2018. In 2018 an application for early occupancy and a RAWP for redevelopment of a portion of the Site were submitted and approved by the NYSDEC. The central portion of the Area E Site is now covered with a turf athletic field that meets the requirements of a restricted residential compliant cover system. The northeast section of the Area E Site was redeveloped as a field house to support the training and athletic preparations associated with the athletic field. The fields are periodically rented for daily/weekly use, but there is no one currently leasing the site for full-time/dedicated use.

The Site is part of the former Buffalo Color Corporation facility, which also included Areas A, B, and C located to the west and southwest. The surrounding area consists of industrial and residential properties.

Originally founded as the Schoellkopf Aniline and Dye Company in 1879, the plant produced dyes and organic chemicals based primarily on aniline and various aniline derivatives. The company was reorganized into the National Aniline Chemical Company in 1916. It became one of the five companies that merged to create Allied Chemical Corporation (Allied Chemical) in 1920. The existing dye-making facility and the right to produce certain dyes and intermediates were sold by Allied Chemical to Buffalo Color Corporation on July 1, 1977. At the time of the sale, the plant was divided into eight areas designated with the letters A, B, C, D, E, F, G, and H. Buffalo Color Corporation purchased the manufacturing areas A through E, while Allied Chemical retained an acid plant (which was subsequently sold to PVS Chemicals in 1981), the research and development facility on Area F, and the parking lots on Areas G (Elk Street) and H (Smith Street). In 2005, Buffalo Color Corporation filed for bankruptcy and ceased manufacturing activity. In conjunction with the bankruptcy, the office building and former plant hospital located at 100 Lee Street on Area B and the warehouse building (Building 322) located near Elk Street on Area E, along with some of the land under and around those buildings, were sold to other parties. Agreements are in place to preserve access rights to the land for the purposes of any required environmental investigation and remediation activities. The remaining buildings and property on Areas A, B, C, D and E were purchased by SBD in 2008.

2.2 Chronology of the Remedial Program

Numerous environmental investigations have been completed for the Buffalo Color property, including Area E, dating back to the 1980s. In 2007-2008, Mactec Engineering and Consulting P.C. completed, with NYSDEC approval, a Remedial Investigation (RI) to characterize the nature and extent of contamination at the Site. In early 2009, demolition of former plant structures and remedial source excavations were initiated.

The primary remedial objectives at the Area E Site were to eliminate the potential for direct contact with impacted soils and to eliminate the potential for impacted groundwater to discharge off-Site. The key remedial actions for the Site are summarized below:



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- Excavation and off-Site disposal of approximately 13,600 CY (in-place volume) of VOC-contaminated soils from three locations on the western/southwestern side of Area E to accomplish mass removal of the source material;
- The addition of a bioremediation enhancement agent (Regenesis ORC-A) to the excavation backfill to promote the bioremediation of residual soil and groundwater contamination at the excavated areas;
- Excavation and off-Site disposal of soil containing petroleum LNAPL from the southeastern portion of Area E to accomplish mass removal of petroleum LNAPL;
- Utilization of an integrated Site-wide cover system consisting of a combination of a minimum of one foot of imported clean soil and topsoil (seeded with native grasses) underlain by a demarcation layer consisting of a woven geotextile, existing/new pavement (asphalt or concrete), and/or existing buildings to address human exposure to remaining contamination at the Site;
- Abandonment/plugging of unused process sewers and rehabilitation of the existing storm sewer system, including replacement of sections with new piping, and sealing of existing pipe via installation of cured-in-place piping (CIPP) and sealing of manholes with a chemical-resistant grout to prevent groundwater infiltration;
- Execution and recording of an Environmental Easement in favor of NYSDEC to restrict land use and address future exposure to any remaining contamination at the Site. Elements of the Environmental Easement include prohibiting groundwater use, providing protocols for disturbance of Site soils and/or groundwater, limiting future land use to commercial or industrial use, and requiring that occupied structures associated with future development at the Site address the vapor intrusion (VI) pathway (either through construction methods or through additional characterization to ensure that the area over which the structure will reside does not present a potential VI concern); and
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for Institutional and Engineering Controls, operation, maintenance and monitoring, and reporting.

The above-described remedial activities were completed at the Site in 2010 and 2011 and are documented in the Area E Final Engineering Report (Mactec, 2011).

In 2018, the SBD approached the City of Buffalo and the NYSDEC with plans for redevelopment of a portion of the property. A local college needed an athletic field and field house. A RAWP and Application for Early Occupancy were submitted and approved by the NYSDEC. A redevelopment plan and erosion and sediment control plan were submitted to the City of Buffalo for review and approval. The athletic field and field house were completed in October 2018 (Phase 1 College Athletic Complex Project) and construction of additional athletic fields in the western portion of Area E was completed in 2022 (Phase 2 College Athletic Complex Project). The Phase 1 and Phase 2 redevelopment projects incorporated higher-level engineering controls to allow for restricted residential use.

Groundwater monitoring activities to assess contaminant levels in shallow Site groundwater and assess the process of natural attenuation (enhanced through addition of ORC-A to remedial excavation backfill), will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable concentration over an



extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDECC.

3 Evaluate Remedy Performance, Effectiveness, and Protectiveness

The performance, effectiveness and protectiveness of the remedy is verified by ensuring that the cover system is intact as constructed and ensure that off-Site migration of remaining contamination is progressively mitigated through the long-term Site monitoring well sampling program. New York State Water Quality Standards for Surface Water and Groundwater (Table 1, cf. section 703.5 – Class GA) are the established groundwater quality objectives for the Site. Eurofins Laboratories, Inc. in Amherst NY performed the laboratory analysis for the collected groundwater samples. Tabulated groundwater analytical data is provided in Table 1 and laboratory data reports are provided in Appendix A. Groundwater elevation figures are provided as Figures 3 through 6.

3.1 IC/EC Requirements and Compliance

A series of Institutional Controls (IC) have been developed and are adhered to by the established Site environmental easement. These Institutional Controls are designed to:

- Implement, maintain, and monitor Engineering Control systems;
- Address future exposure to remaining contamination by controlling disturbances of the subsurface contamination;
- Prohibit Site groundwater use; and
- Limit the use and development of the Site to commercial and industrial uses only.

The environmental easement was updated during the reporting period to reflect the NYSDEC and City of Buffalo approved re-development which limits the use of the Site to a mix of restricted-residential and commercial use (Appendix F). The Site will remain in corrective measures until finalization of the revised SMP (submitted to the NYSDEC), FER, and environmental easement. The revised FER will be submitted to the NYSDEC during the next reporting period (Q1 2024).

3.1.1 Controls

Engineering Controls (EC) developed for the Site consist of:

- In restricted-residential use areas (Appendix C): An integrated Site-wide cover system consisting of a combination of a minimum of two feet of imported clean soil and topsoil (seeded with native grasses) underlain by a demarcation layer consisting of a woven geotextile, two feet of gravel cover underlain by a demarcation layer consisting of a woven geotextile, two feet of imported clean soil cover with artificial turf and underlain by a demarcation layer consisting of a woven geotextile (, existing/new pavement (asphalt or concrete), concrete pads, and/or existing buildings to address human exposure to remaining contamination at the Site;
- In commercial use areas (Appendix C): An integrated Site-wide cover system consisting of a combination of a minimum of one foot of imported clean soil and topsoil (seeded with native grasses) underlain by a demarcation layer consisting of a woven geotextile, one foot of gravel cover underlain by a demarcation layer consisting of a woven geotextile, existing building, and/or



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pavement (asphalt or concrete) to address human exposure to remaining contamination at the Site; and

- Provide protocols for the disturbance of Site soils and/or groundwater and addressing potential vapor intrusion (VI) pathways of occupied structures associated with future development at the Site.

Compliance with the Site IC/EC's is evaluated through documented quarterly Site and cover system inspections. Site-wide and cover system inspection sheets for the reporting period are provided in Table 2.

3.1.2 Status

Performance of Site IC/ECs is evaluated through the following tasks:

- Documented Site-wide, cover system to ensure the environmental easement was active and in force.
- The cover system was intact and protective (Table 2) of potential human exposure during the reporting period.

3.1.3 Corrective Measures

An area south of the fieldhouse had been used for material storage during the site redevelopment. The existing demarcation liner was not affected during the redevelopment; however, re-grading of the area was required to reduce ponding of water. Re-grading of the area was completed during the reporting period with the placement of topsoil and reseeding in May 2023. The re-graded area will be surveyed during the next reporting period to complete the corrective measures.

3.1.4 Conclusions and Recommendations

The remedy remains protective of human health and the environment.

3.2 IC/EC Certification

The IC/EC certifications are provided in Enclosure A with the cover letter.



4 Monitoring Plan Compliance Report

Components of the Monitoring Plan: Routine Site monitoring activities include:

- Quarterly Low-Flow shallow groundwater sampling (Tables 1, Appendices A and B, Figure 2); and
- Quarterly Site and cover system inspections (Table 2).

Summary of Monitoring Completed During Reporting Period: The following tables summarize the routine Site monitoring activities that have been completed in accordance with SMP during the reporting period:

<u>Monitoring Type</u>	<u>Frequency</u>	<u>Q4 2022</u>	<u>Q1 2023</u>	<u>Q2 2023</u>	<u>Q3 2023</u>
Low-flow Shallow Groundwater Well Sampling	Quarterly	X	X	X	X
Site-wide & Cover System Inspections	Quarterly	X	X	X	X

<u>Sample Point</u>	<u>Frequency</u>	<u>Sample Point Type</u>	<u>Monitoring Parameters</u>	<u>Q4 22</u>	<u>Q1 23</u>	<u>Q2 23</u>	<u>Q3 23</u>
RFI-29	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	
RFI-32A/RFI-32AR	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
RFI-33	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
MW-E05	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	

ORC-A socks were placed in monitoring wells RFI-29 and MW-E05 after collection of groundwater samples in Q2 2023. As a result, sampling was not conducted at these two wells in Q3 2023. Monitoring well RFI-32AR was surveyed during the reporting period (Appendix G).

4.1 Comparisons with Remedial Objectives

Site groundwater analytical results have been tabulated and compared against the established groundwater quality objectives for the Site. Refer to the Evaluation of Remedy Performance, Effectiveness and Protectiveness portion of this report for additional information.

4.2 Monitoring Deficiencies

No monitoring deficiencies were observed.

4.3 Conclusions and Recommendations for Changes

A revised/updated SMP will be submitted to the NYSDEC during the next reporting period.



5 Operations and Maintenance Plan Compliance Report

5.1 Components of the O&M Plan

The field house for the athletic complex has been equipped with a sub slab depressurization system. Therefore, the operation and maintenance of the system is included in this PRR.

The SSD system will be documented as an engineering control in the revised SMP and revised environmental easement. A draft revised SMP has been submitted to the NYSDEC. A draft revised FER will be submitted during the next reporting period (Q1 2024) and will contain an OM&M plan for the SSD system.

5.2 Components of the Monitoring Plan

The tables below summarize monitoring to be completed during the next reporting period.

<u>Monitoring Type</u>	<u>Frequency</u>	<u>2023</u>				<u>2024</u>			
		<u>4th</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>
Low-flow Shallow Groundwater Well Sampling	Quarterly	X	X	X	X	X	X	X	X
Site-wide & Cover System Inspections	Quarterly	X	X	X	X	X	X	X	X
SSD System Inspection	Quarterly	X	X	X	X	X	X	X	X

<u>Sample Point</u>	<u>Frequency</u>	<u>Sample Point Type</u>	<u>Monitoring Parameters</u>	<u>2023</u>				<u>2024</u>			
				<u>4th</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>
RFI-29	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X	X	X	X	X
RFI-32AR	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X	X	X	X	X
RFI-33	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X	X	X	X	X
MW-E05	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X	X	X	X	X

5.3 Summary of Monitoring

Natural attenuation of Site groundwater is tracked through the sampling of Site monitoring wells. New York State Water Quality Standards for Surface Water and Groundwater are the established groundwater quality objectives for the Site. Eurofins Laboratories, Inc. in Amherst, New York performed the laboratory analysis for the collected groundwater samples.

Tabulated groundwater analytical data for the compounds detected historically are provided in Table 1 for all wells sampled during the reporting period and shown on Figure 2. Groundwater elevations are shown on Figures 3 through 6. While the remedial actions have been successful over a majority of the Site, progress towards meeting the GWQS in the vicinity of RFI-29 and MW-E05 is ongoing. Groundwater monitoring at these locations will continue during the next reporting period to gauge the effectiveness of ORC socks added in Q2 2023 in further reducing low-level dissolved constituents.



Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
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Dates Covered by Report: October 5, 2022 to October 5, 2023

Historically, concentrations of COCs in RFI-32A (abandoned Q2 2021) were typically orders of magnitude above the surrounding wells. RFI-32AR was installed as close to RFI-32A as possible and chlorobenzene continues to be detected at concentrations 35 times that of RFI-32A (Table 1). As noted in the PRR for the previous reporting period, the new location appears to be in an area outside of the original remedial action excavation (Appendix E) and is downgradient of the excavation where 700 pounds of ORC-A was added during the 2020-2021 reporting period. Continued monitoring at RFI-32AR is necessary as the groundwater system stabilizes. A technical evaluation is necessary of additional actions that may be implemented to accelerate reduction of chlorobenzene in the vicinity. The technical evaluation will be submitted to the NYSDEC during the next reporting period (Q1 2024).

5.4 Comparisons with Remedial Objectives

The data that exceeded the GWQS are presented in Table 1 and Figure 2.

5.5 Monitoring Deficiencies

There were no monitoring deficiencies during the reporting period.

5.6 Conclusions and Recommendations for Changes

There are no changes recommended.



6 Operation & Maintenance (O&M) Plan Compliance Report

6.1 Summary of O&M Completed During Reporting Period

Inspections and sampling in accordance with the SMP.

6.2 O&M Deficiencies

No deficiencies in complying with the O&M Plan have been noted.

6.3 Conclusions and Recommendations for Improvements

There are no recommendations for improvement.



7 Overall PRR Conclusions and Recommendations

Compliance with SMP: Activities completed during the reporting period complied with the requirements of the SMP.

A draft revised SMP has been submitted to the NYSDEC. A revised FER will be submitted to the NYSDEC during the next reporting period (Q1 2024).

7.1 Performance and Effectiveness of the Remedy:

The cover system is intact as constructed, and the Site remedy is maintaining control of COCs.

7.2 Future PRR Submittals:

It is currently expected that the next PRR will be submitted on or about November 4, 2024.



Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
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Tables





Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**		3	3	3	1	5	--	--
		1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
R-10	10/10 - 1/11	Not Sampled						
	3/30/2012	<5	<5	<5	<5	<5	0	0
	6/28/2012	<5	<5	<5	<5	<5	0	0.67
	9/13/2012	<5	<5	<5	<5	<5	0	0
	11/29/2012	<5	<5	<5	<5	<5	0	0
	3/24/2013	<5	<5	<5	<5	<5	0	0
	6/4/2013	<1	<1	<1	<1	<1	0.53	0
	9/9/2013	<1	<1	<1	<1	<1	0.54	0
	11/25/2013	<1	<1	<1	<1	<1	1	0
	3/24/2014	<1	<1	<1	<1	<1	0.37	0
	6/24/2014	<1	<1	<1	<1	<1	3.8	8.93
	9/8/2014	<1	<1	<1	<1	<1	4.27	0
	11/10/2014	<1	<1	<1	<1	<1	1.3	3.6
	4/1/2015	<1	<1	<1	<1	<1	4.02	0.3
	6/22/2015	<1	<1	<1	<1	<1	4.65	0
	9/9/2015	<1	<1	<1	<1	<1	15.5	32.2
	11/3/2015	<1	<1	<1	<1	<1	0.99	0
	3/15/2016	<1	<1	<1	<1	<1	0.83	0
	5/31/2016	<1	<1	<1	<1	<1	0	3.38
	9/12/2016	<1	<1	<1	<1	<1	7.88	0
	11/8/2016	<1	<1	<1	<1	<1	0.98	0
	3/27/2017	<1	<1	<1	<1	<1	0	0
	6/7/2017	<1	<1	<1	<1	<1	5.5	3
8/16/2017	<1	<1	<1	<1	<1	0	1.6	
11/15/2017	<1	<1	<1	<1	<1	0.33	0	
3/12/2018	<1	<1	<1	<1	<1	0	0	
6/5/2018	<4	<4	<4	<4	<4	0.67	0	
8/27/2018	<4	<4	<4	<4	<4	12.79	2.9	
Well has been decommissioned								



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
	3	3	3	1	5	--	--
11/18/2009	<5	<5	<5	<5	<5	20	0.41
10/10 - 1/11	ORC-A Application						
3/30/2012	<5	<5	<5	<5	<5	0	0
6/28/2012	<5	<5	<5	<5	<5	20	NA
9/13/2012	<5	<5	<5	<5	<5	0	0
11/29/2012	<5	<5	<5	<5	<5	0	0
3/23/2013	<5	<5	<5	<5	<5	0	0
6/4/2013	<1	<1	<1	<1	<1	10	1.7
9/6/2013	<1	<1	<1	<1	<1	10	4.8
11/25/2013	<1	<1	<1	<1	<1	0	0
3/24/2014	<1	<1	<1	<1	<1	4.8	0
6/23/2014	<1	<1	<1	<1	<1	3.7	3.29
9/9/2014	<1	<1	<1	<1	<1	4.3	0
11/10/2014	<1	<1	<1	<1	<1	8.6	3.9
4/1/2015	<1	<1	<1	<1	<1	16.7	0.32
6/22/2015	<4	<4	<4	<4	<4	17.9	0
9/9/2015	<1	<1	<1	<1	<1	13.85	0.32
11/3/2015	<1	<1	<1	<1	<1	6.5	0
3/15/2016	<1	<1	<1	<1	<1	4.1	0
5/31/2016	<1	<1	<1	<1	<1	0	0.29
9/12/2016	<1	<1	<1	<1	<1	3.4	0
11/7/2016	<1	<1	<1	<1	<1	3.8	0
3/27/2017	<1	<1	<1	<1	<1	0	0
6/7/2017	<1	<1	<1	<1	<1	3.3	1
8/16/2017	<1	<1	<1	<1	<1	2.3	2.3
11/15/2017	<1	<1	<1	<1	<1	0	0
3/12/2018	<1	<1	<1	<1	<1	0	0
6/6/2018	<10	<10	<10	<10	<10	0	0
8/28/2018	<8	<8	<8	<8	<8	27	0
11/19/2018	<8	<8	<8	<8	<8	0	0
3/13/2019	<4	<4	<4	<4	<4	0	0
5/29/2019	<4	<4	<4	<4	<4	0	0
9/9/2019	<8	<8	<8	<8	<8	0	0
11/19/2019	<8	<8	<8	<8	<8	0	0
3/16/2020	<2	<2	<2	<2	<2	0	0
5/27/2020	<4	<4	<4	<4	<4	0	0.49 BJ
8/11/2020	<4	<4	<4	<4	<4	0	0.53 J
11/5/2020	<10	<10	<10	<10	<10	0	0
3/9/2021	<8	<8	<8	<8	<8	0	0

R-11
 (Well
 Decommissioned
 5/25/2021)



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**		3	3	3	1	5	--	--
		1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
RFI-17	11/17/2009	1.1	<1	<1	<1	1.3	2.4	0
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	1.1	30	31.1	0
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/13/2012	<1	<1	<1	<1	<1	0	0
	11/30/2012	<1	<1	<1	<1	<1	0	0
	3/24/2013	<1	<1	<1	<1	<1	0	0
	6/4/2013	<1	<1	<1	<1	<1	0	0
	9/6/2013	<1	<1	<1	<1	<1	0	0
	11/25/2013	<1	<1	<1	<1	<1	0	0
	3/24/2014	<1	<1	<1	<1	<1	0	0.75
	6/24/2014	<1	<1	<1	<1	1.2	1.2	0.23
	9/8/2014	<1	<1	<1	<1	<1	0	39
	11/11/2014	<1	<1	<1	<1	<1	0	3.68
	4/1/2015	<1	<1	<1	<1	<1	0	0
	6/22/2015	<1	<1	<1	<1	<1	0	0
	9/9/2015	<1	<1	<1	<1	<1	0	0
	11/3/2015	<1	<1	<1	<1	<1	0	0
	3/16/2016	<1	<1	<1	<1	<1	0	0.69
	5/31/2016	<1	<1	<1	<1	<1	0	0.34
	9/12/2016	<1	<1	<1	<1	<1	0	0
	11/7/2016	<1	<1	<1	<1	<1	0	3.3
	3/27/2017	<1	<1	<1	<1	<1	0	0
	6/7/2017	<1	<1	<1	<1	<1	0	0
	8/15/2017	<1	<1	<1	<1	<1	0	0
	11/14/2017	<1	<1	<1	<1	<1	0	0
	3/12/2018	<1	<1	<1	<1	<1	0	0
	6/6/2018	<1	<1	<1	<1	<1	0	0
8/27/2018	<1	<1	<1	<1	<1	0	0.32	
Well has been decommissioned								



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**	1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Benzene		Chlorobenzene		Total TCL VOCs		Total TCL SVOCs	
	3	3	3	3	1	5	--	--	23.3	0.42				
11/17/2009	3	3	3	3	1	5	--	--	23.3	0.42				
10/10 - 1/11	ORC-A Application													
3/30/2012	1.8	<1	2.9	<1	7.7	12.4	0							
6/28/2012	3	1.1	5.8	<1	17	26.9	0.6							
9/12/2012	3	0.98 J	5.2	<1	16	25.18	0							
11/28/2012	1.6	<1	2.4	<1	7.5	11.5	0.91							
3/24/2013	1.8	<1	3.2	<1	7.2	12.2	0							
6/4/2013	2.1	<1	3.5	<1	11	16.6	0							
9/9/2013	2.2	<1	3.6	<1	12	17.8	0.6							
11/25/2013	1.9	<1	3.4	<1	13	18.3	0							
3/25/2014	1.8	<1	3.8	<1	9.3	14.9	0							
6/24/2014	2.3	<1	4.4	<1	14	20.7	0							
9/9/2014	3	1	5.4	<1	15	24.4	0							
11/11/2014	1.9	<1	2.8	<1	9.8	14.5	2.86							
4/1/2015	1.4	<1	2.5	<1	5.9	9.8	0							
6/22/2015	2	<1	3.6	<1	11	16.6	0							
9/9/2015	2.6	0.79 J	5	<1	<14	8.39	0							
11/3/2015	2	<1	3.3	<1	12	17.3	0							
3/16/2016	1.8	<1	2.8	<1	7.3	11.9	0							
5/31/2016	1.7	<1	3.2	<1	9	13.9	0							
9/12/2016	3.1	1.1	5.3	<1	18	27.5	0.58							
11/7/2016	2.1	<1	3.5	<1	15	20.6	0							
3/28/2017	1.8	<1	2.9	<1	4.8	9.5	0							
6/7/2017	2.4	<1	4.6	<1	13	20	0							
8/16/2017	2.6	0.97 J	5.1	<1	17	25.67	0.42							
11/15/2017	1.7	0.41 J	2.9	<1	11	16.01	0							
3/13/2018	1.7	<1	3.4	<1	4.9	10	0							
6/6/2018	2.3	0.84 J	4.3	<1	11	18.44	1.8							
8/28/2018	3.6	1.1	6.5	<1	18	32.5	1.03							
11/19/2018	3.0	1.1	5.8	<1	16	25.9	0							
3/13/2019	1.8	<1	3.3	<1	7.9	13	0.41							
5/29/2019	2.1	<1	3.3	<1	8.0	13.4	0							
9/9/2019	3.2	0.84	4.7	<1	14	22.74	0.79							
11/19/2019	2.7	0.84 J	4.7	<1	14	22.24	0							
3/16/2020	1.5	<1	2.4	<1	4.8	8.7	0							
5/27/2020	1.6	<1	3	<1	7.3	11.9	0.49 BJ							
8/11/2020	2.4	<1	3.8	<1	11	17.2	1.35 J							
11/4/2020	2.3	<1	3.9	<1	11	17.2	0.75J							
3/9/2021	1.7	<1	3.2	<1	5.9	10.8	0.4J							
5/24/2021	1.8	<1	2.9	<1	7	11.7	0.53 J							
8/9/2021	2	<1	3.2	<1	7.7	14.6	2.7J							
8/9/2021 DUP	2.1	<1	3.4	<1	8.3	14.6	2.7J							
11/9/2021	2.7	0.81 J	4.8	<0.41	14	22.31	0							
3/16/2022	3.8	<1.6	4	0.99 J	8.6	21.39	4.3 J							
5/18/2022	4.5	0.83 J	4.5	2.1	12	23.93	11.1 J							
8/17/2022	2.7	<0.78	3.2	0.9 J	24	30.8	10.5 J							
12/6/2022	5.2	1	5.3	0.84 J	35	47.34	5.4							
2/2/2023	4.3	0.84 J	4.5	0.46 J	28	38.5	3.9							
6/29/2023	3.5	<0.78	3.9	<0.41	22	29.4	3.37							
	ORC-A Application - NO Sample Q3 2023													

RFI-29



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**	1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Benzene		Chlorobenzene		Total TCL VOCs		Total TCL SVOCs	
	3	3	3	1	5	--	--							
11/20/2009	<100	<100	49 J	420	28000	28469	37.95							
10/10 - 1/11	ORC-A Application													
3/30/2012	20	3.7	48	700	30000	30776.12	0							
6/28/2012	<500	<500	<500	430 J	28000	28430	15.2							
9/12/2012	<500	<500	<500	370 J	27000	27370	5.15							
11/29/2012	<200	<200	<200	260	16000	16260	15							
3/23/2013	<200	<200	<200	480	29000	29480	10.82							
6/4/2013	<500	<500	<500	480	27000	27480	14							
9/6/2013	<500	<500	<500	450	32000	32450	13.3							
11/26/2013	<250	<250	<250	280	18000	18280	12.5							
3/25/2014	<250	<250	<250	500	30000	30500	20.92							
6/18/2014	ORC Application													
6/23/2014	<500	<500	<500	330 J	24000	24740	15.11							
9/9/2014	<40	<40	<40	<40	2400	2400	23							
11/10/2014	<20	<20	<20	<20	1200	1200	39.3							
4/1/2015	<20	<20	<20	0.44 J	910 J	917.94	5.89							
6/22/2015	<20	<20	<20	<20	2800	2800	18							
9/9/2015	<50	<50	<50	<50	2500	2500	27							
11/3/2015	<50	<50	<50	<50	2300	2300	22.38							
3/15/2016	<20	<20	<20	0.92 J	470	475.62	38.8							
5/31/2016	<20	<20	<20	<20	1700 J	1700	10.41							
9/12/2016	<20	<20	<20	<20	3500	3500	21							
11/7/2016	<40	<40	<40	<40	3700	3700	6.7							
3/28/2017	<4	<4	<4	<4	110	110	0							
6/7/2017	<40	<40	<40	<40	2600 J	2618	4.58							
8/16/2017	<100	<100	<100	<100	3700	3700	9.5							
11/15/2017	<5	<5	<5	<5	730	730	1.3							
3/12/2018	<5	<5	<5	<5	620 F1	620	1.6							
6/6/2018	<40	<40	<40	<40	2600	2600	6.7							
8/28/2018	<40	<40	<40	<40	1400	1400	0							
11/19/2018	<10	<10	<10	<10	600	604.5	0.31							
3/13/2019	<10	<10	<10	<10	270	270	1.32							
5/29/2019	<10	<10	<10	9.5	2900	2909.5	6.5							
9/10/2019	<50	<50	<50	<50	4300	4300	16							
11/19/2019	< 25	< 25	< 25	< 25	960	960	5.03							
3/16/2020	<50	<50	<50	<50	5400 F1	5400	1.5							
5/27/2020	<50	<50	<50	<50	4200	4200	10.16							
8/11/2020	<50	<50	<50	<50	3300	3300	24.24							
11/4/2020	<10	<10	<10	<10	590	590	1.4J							
3/9/2021	<10	<10	<10	6.5J	1,700	1715.1J	18.5J							
5/24/2021	<1	<1	1.8	14	5400	5421.8J	3.2 J							
5/24/2021 DUP	<1	<1	1.7	15	5200T	5421.8J	3.2 J							
11/9/2021	Well Temporarily Abandoned For Site Re-Development													
3/16/2022	Well Temporarily Abandoned For Site Re-Development													
5/18/2022	Well Temporarily Abandoned For Site Re-Development													
8/17/2022	730	120	1700 F1	110	170000	173123	504.4 J							
8/17/2022 DUP	<2000	<2000	<2100	<1000	190000	190000	657.15 J							
12/6/2022	<3200	<3100	<3400	<1600	130000	130000	190							
2/2/2023	<3200	<3100	<3400	<1600	150000	150000	210							
6/29/2023	180	31	<3400	43	150000 F1	150418.3	78 J							
9/15/2023	<3200	<3100	<3400	<1600	120000 F1	120000	86 J							
9/15/23 (DUP)	<3200	<3100	<3400	<1600	120000	120000	99 J							

RFI-32A



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**	1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
	3	3	3	1	5	--				
11/18/2009	<1	<1	<1	<1	<1	<1	0	0.53		
10/10 - 1/11	ORC-A Application									
3/30/2012	<1	<1	<1	<1	9.4	9.4	0	0		
6/28/2012	<1	<1	<1	<1	<1	0	0	0		
9/12/2012	<1	<1	<1	<1	<1	0	0	0		
11/30/2012	<1	<1	<1	<1	<1	0	0	0.35		
3/26/2013	<1	<1	<1	<1	<1	0	0	0		
6/5/2013	<1	<1	<1	<1	<1	0	0	2.1		
9/9/2013	<1	<1	<1	<1	<1	0	0	0		
11/26/2013	<1	<1	<1	<1	<1	0	0	0		
3/24/2014	<1	<1	<1	<1	<1	0	0	8.5		
6/24/2014	<1	<1	<1	<1	<1	0	0	0.23		
9/8/2014	<1	<1	<1	<1	<1	0	0	0		
11/11/2014	<1	<1	<1	<1	<1	0	0	3.7		
4/1/2015	<1	<1	<1	<1	<1	0	0	0.92		
6/22/2015	<1	<1	<1	<1	<1	0	0	1.7		
9/9/2015	<1	<1	<1	<1	<1	0	0	0		
11/3/2015	<1	<1	<1	<1	<1	0	0	0		
3/16/2016	<1	<1	<1	<1	<1	0	0	0		
5/31/2016	<1	<1	<1	<1	<1	0	0	0.37		
9/12/2016	<1	<1	<1	<1	<1	0	0	0		
11/8/2016	<1	<1	<1	<1	<1	0	0	0		
3/28/2017	<1	<1	<1	<1	<1	0	0	0		
6/8/2017	<1	<1	<1	<1	<1	0	0	0.69		
8/15/2017	<1	<1	<1	<1	<1	0	0	0		
11/15/2017	<1	<1	<1	<1	<1	0	0	0		
3/13/2018	<1	<1	<1	<1	<1	0	0	0		
6/6/2018	<1	<1	<1	<1	<1	0	0	0		
8/28/2018	<1	<1	<1	<1	<1	3.1	0.31	0		
11/19/2018	<1	<1	<1	<1	<1	0	0	0		
3/14/2019	<1	<1	<1	<1	<1	0	0	0.42		
5/29/2019	<1	<1	<1	<1	<1	0	0	0		
9/10/2019	<1	<1	<1	<1	<1	0	0	0		
11/19/2019	<1	<1	<1	<1	<1	0	0	0		
3/16/2020	<1	<1	<1	<1	<1	0	0	0		
5/27/2020	<1	<1	<1	<1	<1	0	0	1.2		
8/12/2020	<1	<1	<1	<1	<1	0	0	1.46 J		
11/4/2020	<1	<1	<1	<1	<1	0	0	0		
11/4/2020 DUP	<1	<1	<1	<1	<1	0	0	0		
3/9/2021	<1	<1	<1	<1	<1	0	0	0.34J		
5/25/2021	<1	<1	<1	<1	<1	0	0	0		
8/9/2021	<1	<1	<1	<1	<1	0	0	0.53J		
11/9/2021	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
11/9/2021 DUP	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
3/16/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
3/16/2022 DUP	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
5/18/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
8/17/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
12/6/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
12/6/2022 (DUP)	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
2/2/2023	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
6/29/2023	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0.38 J		
6/29/2023 (DUP)	<0.79	<0.78	<0.84	<0.41	<0.75	0	0	0		
9/15/2023	<0.79	<0.78	<0.84	<0.41	0.89 J	0.89 J	0	0		

RFI-33



Table 1
Groundwater Data Summary
Buffalo Color Corporation Area E
Buffalo, New York

Class GA Standard**	1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Benzene		Chlorobenzene		Total TCL VOCs		Total TCL SVOCs	
	3	3	3	3	1	5	--	--						
MW-E05	Not Sampled													
	10/10 - 1/11	ORC-A Application												
	3/30/2012	<1	<1	<1	<1	0.56 J	110	110.56	0					
	6/28/2012	<1	<1	<1	<1	<1	51	51	0					
	9/11/2012	<1	<1	<1	<1	<1	9.8	9.8	0					
	11/28/2012	<1	<1	<1	<1	<1	3.9	3.9	0					
	3/25/2013	<1	<1	<1	<1	<1	9.3	9.3	0					
	6/3/2013	<1	<1	<1	<1	<1	6.3	6.3	0					
	9/9/2013	<1	<1	<1	<1	<1	18	18	0					
	11/26/2013	<1	<1	<1	<1	<1	2.7	2.7	0					
	3/25/2014	<1	<1	<1	<1	<1	3.1	3.1	0					
	6/24/2014	<1	<1	<1	<1	<1	17	17	0.22					
	9/9/2014	<1	<1	<1	<1	<1	1.4	1.4	0					
	11/11/2014	<1	<1	<1	<1	<1	3.2	3.2	4.5					
	4/1/2015	<1	<1	<1	<1	<1	<1	0	0.74					
	6/23/2015	<1	<1	<1	<1	<1	0.88 J	0.88	0					
	9/9/2015	<1	<1	<1	<1	1.2	860	861.2	0					
	11/4/2015	<1	<1	<1	<1	<1	<1	0	0.26					
	3/16/2016	<1	<1	<1	<1	<1	1.1	1.1	0.74					
	5/31/2016	<1	<1	<1	<1	<1	43	43	0.69					
	9/13/2016	<1	<1	<1	<1	<1	<1	3.1	0					
	11/8/2016	<1	<1	<1	<1	<1	<1	0	0					
	3/28/2017	<1	<1	<1	<1	<1	1.8	1.8	0					
	6/8/2017	<1	<1	<1	<1	<1	70	70	1					
	8/15/2017	<1	<1	<1	<1	<1	97	97	0					
	11/13/2017	<1	<1	<1	<1	<1	6.3	6.3	0.52					
	3/13/2018	<1	<1	<1	<1	<1	2.4	2.4	0					
	6/7/2018	<1	<1	<1	<1	<1	13	13	0					
	8/28/2018	<1	<1	<1	<1	<1	<1	3.6	0.36					
	11/19/2018	<1	<1	<1	<1	<1	4.3	4.3	0					
	3/14/2019	<1	<1	<1	<1	<1	2.1	2.1	0.39					
	5/29/2019	<1	<1	<1	<1	<1	17	17	0					
	9/10/2019	<1	<1	<1	<1	<1	1.0	1.0	0					
11/19/2019	<1	<1	<1	<1	<1	4.4	4.4	0						
3/16/2020	<1	<1	<1	<1	<1	0.9 J	0.9	0						
5/27/2020	<1	<1	<1	<1	<1	12 J	12	0.46 BJ						
8/11/2020	<1	<1	<1	<1	<1	<1	0	0.51 BJ						
11/5/2020	<1	<1	<1	<1	<1	0.99J	0.99	0						
3/9/2021	<1	<1	<1	<1	<1	<1	0	0.37J						
5/24/2021	<1	<1	<1	<1	<1	5.7	5.7	0.6 BJ						
8/9/2021	<1	<1	<1	<1	<1	14	14	1.1J						
11/9/2021	<0.79	<0.78	<0.84	<0.41	<1	5.1	5.1	0.4 BJ						
3/16/2022	<0.79	<0.78	<0.84	<0.41	<1	1.5	1.5	0						
5/18/2022	<0.79	<0.78	<0.84	<0.41	<1	11	11	0						
5/18/2022 DUP	<0.79	<0.78	<0.84	<0.41	<1	14	14	0						
8/17/2022	<0.79	<0.78	1.1	9.2	1600	1610.3	0							
12/6/2022	<0.79	<0.78	<0.84	<0.41	<1	3	3	0						
2/2/2023	<0.79	<0.78	<0.84	<0.41	<1	4	4	0						
2/2/2023 (DUP)	<0.79	<0.78	<0.84	<0.41	<1	4.4	4.4	0						
6/29/2023	<0.79	<0.78	<0.84	1.2	170	171.2	0							
ORC-A Application - NO Sample Q3 2023														

** - Results compared to NYDEC Class GA water quality standards

J - Result is estimated; B - analyte detected in method blank and sample; F1 - MS and/or MSD recovery exceeded control limits.

VOC and SVOC results are shown in ug/L, Metals are shown in mg/L.

Results from a field duplicate are shown in row beneath primary sample result.

Inventum Engineering, P.C.
 Blue cells indicate groundwater monitoring events completed prior to the application of ORC-A.
 Area E GW Data Summary_PRR_MASTER_10 24 23



Table 1A
Groundwater Data Summary Metals
2022-2023 PRR
Buffalo Color Corporation Area E

All Values Reported in mg/L		Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	
Class GA Standard**		NA	0.003	0.025	1	0.003	0.005	NA	0.05	NA	0.2	0.3	0.025	35	0.3	0.0007	0.1	NA	0.01	0.05	20	0.0005	NA	2	
RFI-29	11/19/2018	-	-	0.014J	0.099	-	-	84	-	-	-	0.048J	0.0034J	14.2	0.066B	-	-	4.2	-	-	99.5	-	-	0.0036J	
	3/13/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/9/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/19/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4 J	-	-	
	3/16/2020	<0.20	<0.020	0.0099J	0.1	<0.0020	<0.0020	106	0.0012BJ	<0.0040	<0.010	0.66	<0.010	17.3	0.14B	<0.00020	0.0014BJ	3.6	<0.025	<0.0060	59.7	<0.020	<0.0050	0.0019J	
	5/27/2020	<0.20	<0.020	0.013J	0.12	<0.0020	<0.0020	102	<0.0040	<0.0040	<0.010	0.5	<0.010	16.5	0.15	<0.00020	<0.010	3.9B	<0.025	<0.0060	141	<0.020	<0.0050	<0.010	
	8/11/2020	<0.20	<0.020	0.01J	0.13	<0.0020	<0.0020	104	<0.0040	<0.0040	<0.010	0.11	<0.010	16.8	0.09B	<0.00020	<0.010	4.8	<0.025	<0.0060	107	<0.020	<0.0050	<0.010	
	11/4/2020	<0.20	<0.020	<0.015	0.1	<0.0020	<0.0020	81.9	0.0025J	<0.0040	<0.010	0.032J	0.0035J	13.4	0.062	<0.00020	0.0021J	4.7B	<0.025	<0.0060	111B	<0.020	<0.0050	<0.010	
	3/9/2021	<0.20	<0.020	<0.015	0.1	<0.0020	<0.0020	98.6	<0.0040	<0.0040	<0.010	0.14B	<0.010	15.8	0.11	<0.00020	0.0027J	3.8	<0.025	<0.0060	94.5	<0.020	<0.0050	<0.010	
	5/24/2021	<0.20	<0.020	0.0066J	0.11	<0.0020	<0.0020	107	<0.0040	<0.0040	<0.010	0.32	<0.010	17	0.13B	<0.00020	<0.010	4.1	<0.025	<0.0060	142	<0.020	<0.0050	<0.010	
	8/9/2021	<0.20	<0.020	0.0078 J	0.11	<0.0020	<0.0020	89.7	<0.0040	<0.0040	<0.010	0.13	<0.010	13.7	0.11 B	<0.00020	<0.010	4.3	<0.025	<0.0060	160	<0.020	<0.0050	<0.010	
	8/9/2021 DUP	<0.20	<0.020	0.0066 J	0.11	<0.0020	<0.0020	89.3	<0.0040	<0.0040	<0.010	0.11	<0.010	13.5	0.11 B	<0.00020	<0.010	4.3	<0.025	<0.0060	160	<0.020	<0.0050	<0.010	
	11/9/2021	<0.060	<0.0068	<0.0056	0.14	<0.00030	<0.00050	129	0.0012 J	<0.00063	<0.0016	0.12	<0.0030	20.7	0.11	<0.000043	0.002 J	5.1	<0.0087	<0.0017	102	<0.010	<0.0015	0.0018 J	
	3/16/2022	<0.060	<0.0068	<0.0056	0.074	<0.00030	<0.00050	253	<0.0010	<0.00063	<0.0016	2.1	<0.0030	38.5	0.38 B	<0.000043	0.0014 J	5.6	<0.0087	<0.0017	125	<0.010	<0.0015	<0.0015	
	5/18/2022	<0.060	<0.0068	0.0072 J	0.067	<0.00030	<0.00050	232	<0.0010	<0.00063	<0.0016	1.5	0.003 J	34.8	0.33	<0.000043	<0.0013	7.5	<0.0087	<0.0017	120	<0.010	<0.0015	<0.0015	
	8/17/2022	<0.060	<0.0068	<0.0056	0.075	<0.00030	<0.00050	196	<0.0010	<0.00063	0.0032 J	0.77	<0.0030	28.1	0.21 B	<0.000043	<0.0013	12 B	<0.0087	<0.0017	124 B	<0.010	<0.0015	0.016 B	
	12/6/2022	0.088 J	<0.0068	<0.0056	0.078	<0.00030	<0.00050	219	<0.0010	<0.00063	<0.0016	0.39 B	<0.0030	31.8	0.31 B	<0.000043	0.0014 J	12.3	<0.0087	<0.0017	137	<0.010	<0.0015	0.0021 J	
2/2/2023	<0.060	<0.0068	<0.0056	0.061	<0.00030	<0.00050	180	0.0018 J	<0.00063	<0.0016	0.21	<0.0030	28	0.25 B	<0.000043	0.0045 J	9.8	<0.0087	<0.0017	130	<0.010	<0.0015	0.0044 J		
6/29/2023	<0.060	<0.0068	<0.0056	0.04	<0.00030	<0.00050	124	<0.0010	<0.00063	<0.0016	0.086 B	<0.0030	18.2	0.11 B	<0.000043	0.0013 J	8.8	<0.0087	<0.0017	100	<0.010	<0.0015	<0.0015		
ORC-A APPLICATION - NO SAMPLE COLLECTED Q3 2023																									
RFI-32A	11/19/2018	-	-	0.0057J	0.032	-	0.00057J	340	-	0.0030J	-	1.9	-	120	1.9B	-	0.0082J	1.8	-	-	86.6	-	-	0.0046J	
	3/13/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/19/2019	-	<0.020	<0.015	0.026	<0.0020	0.00072J	318	0.0026J	0.0029J	0.0048BJ	2.6	<0.010	99.4	1.7	<0.00020	0.0081J	1.7	<0.025	<0.0060	82	<0.020	<0.0050	0.0025J	
	3/16/2020	0.11J	<0.020	<0.015	0.021	<0.0020	0.00072J	305	0.0014BJ	0.0031J	<0.010	1.7	<0.010	107	1.7B	<0.00020	0.0063BJ	1.4	<0.025	<0.0060	81	<0.020	<0.0050	0.0028J	
	5/27/2020	<0.20	<0.020	0.0057J	0.022	<0.0020	<0.0020	286	<0.0040	0.0026J	<0.010	2.1	<0.010	102	1.6	<0.00020	0.0054J	1.4B	<0.025	<0.0060	77.3	<0.020	<0.0050	0.0023BJ	
	8/11/2020	<0.20	<0.020	<0.015	0.02	<0.0020	<0.0020	248	<0.0040	0.0029J	0.002J	1.5	<0.010	90.1	1.5B	<0.00020	0.006J	1.3	<0.025	<0.0060	72.4	<0.020	<0.0050	<0.010	
	11/5/2020	<0.20	<0.020	<0.015	0.027	<0.0020	0.0007J	287	0.005	0.0025J	0.008J	0.31	0.0037J	97.2	1.5	<0.00020	0.011	1.7B	<0.025	<0.0060	84.2B	<0.020	<0.0050	0.0082J	
	3/9/2021	<0.20	<0.020	<0.015	0.02	<0.0020	0.00072J	247	<0.0040	0.0024J	<0.010	0.86B	<0.010	83.6	1.4	<0.00020	0.0061J	1.3	<0.025	<0.0060	74.1	<0.020	<0.0050	0.0038J	
	5/24/2021	<0.20	<0.020	<0.015	0.018	<0.0020	<0.0020	265	<0.0040	0.0018J	0.0023J	1.4B	<0.010	90.6	1.5B	<0.00020	0.0047J	1.1	<0.025	<0.0060	77.1	<0.020	<0.0050	<0.010	
	5/24/2021 DUP	0.060 J	<0.020	<0.015	0.018	<0.0020	<0.0020	261	<0.0040	0.0020 J	0.0068 J	1.3 B	<0.010	89.4	1.5B	<0.00020	0.0048 J	1.1	<0.025	<0.0060	75.6	<0.020	<0.0050	0.0036 J	
	11/9/2021	Well Temporarily Abandoned For Site Re-Development.																							
	3/16/2022	Well Temporarily Abandoned For Site Re-Development.																							
	5/18/2022	Well Temporarily Abandoned For Site Re-Development.																							
	8/17/2022	0.075 J	<0.0068	0.0057 J	0.041	<0.00030	<0.00050	284	0.0041	0.0016 J	0.0069 J	1.5	<0.0030	90.9	0.66 BT	<0.000043	0.023	4.7 B	<0.0087	<0.0017	134 B	<0.010	<0.0015	0.0069 BJ	
	8/17/2022 DUP	0.13 J	<0.0068	<0.0056	0.04	<0.00030	<0.00050	271	0.0012 J	0.0019 J	0.0056 J	0.92	<0.0030	87.8	0.66 B	<0.000043	0.0094 J	4.3 B	<0.0087	<0.0017	126 B	<0.010	<0.0015	0.0053 BJ	
	12/6/2022	0.082 J	<0.0068	<0.0056	0.037	<0.00030	<0.00050	275	0.0011 J	0.0019 J	0.0027 J	2.5 B	<0.0030	86.1	0.65 B	<0.000043	0.0063 J	3.3	<0.0087	<0.0017	117	<0.010	<0.0015	0.0027 J	
2/2/2023	0.071 J	<0.0068	0.015	0.022	<0.00030	<0.00050	357	0.0019 J	0.0014 J	0.0041 J	7.3	<0.0030	136	0.6 B	<0.000043	0.0065 J	3	<0.0087	<0.0017	169	<0.010	<0.0015	0.0052 J		
6/29/2023	0.077 J	<0.0068	0.011 J	0.024	<0.00030	<0.00050	326	<0.0010	0.0021 J	0.0047 J	4.7 B	<0.0030	95.3	0.77 B	<0.000043	0.0054 J	2.7	<0.0087	<0.0017	136	<0.010	<0.0015	0.0044 J		
9/15/2023	0.067 J	<0.0068	0.013 J	0.028	<0.00030	0.00065 J	301	0.002 J	0.0024 J	0.0049 J	6.2 B	<0.0030	90.2	0.79 B	<0.000043	0.005 J	2.9	<0.0087	<0.0017	122	<0.010	<0.0015	0.011		
9/15/23 DUP	<0.060	<0.0068	0.011 J	0.027	<0.00030	<0.00050	309	0.0026 J	0.0024 J	0.0053 J	5.7 B	<0.0030	91.8	0.75 B	<0.000043	0.0053 J	2.9	<0.0087	<0.0017	124	<0.010	<0.0015	0.01		



Table 1A
Groundwater Data Summary Metals
2022-2023 PRR
Buffalo Color Corporation Area E

All Values Reported in mg/L		Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	
Class GA Standard**		NA	0.003	0.025	1	0.003	0.005	NA	0.05	NA	0.2	0.3	0.025	35	0.3	0.0007	0.1	NA	0.01	0.05	20	0.0005	NA	2	
RFI-33	11/19/2018	0.090J	-	-	0.051	-	-	86.4	0.0091	-	0.0051J	0.16	0.0046J	133	1.4B	-	0.0037J	26.1	-	-	143	-	-	-	0.0071J
	3/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/2019	2.9	<0.020	<0.015	0.077	<0.0020	0.0011J	112	0.12	0.0019J	0.054B	3.7	0.016	24.2	0.27	<0.00020	0.068	1.6	<0.025	<0.0060	150	<0.020	0.0092	0.03	
	3/16/2020	0.093J	<0.020	<0.015	0.063	<0.0020	0.00075J	106	0.0029BJ	0.0022J	0.0022J	0.6	<0.010	29.9	0.50B	<0.00020	0.050B	0.81	<0.025	<0.0060	189	<0.020	<0.0050	0.0070J	
	5/27/2020	<0.20	<0.020	<0.015	0.069	<0.0020	<0.0020	97.1	0.0042	0.0021J	0.0021J	0.97	<0.010	28.6	0.29	<0.00020	0.045	2.2B	<0.025	<0.0060	187	<0.020	<0.0050	0.0025J	
	8/12/2020	<0.20	<0.020	<0.015	0.074	<0.0020	<0.0020	101	<0.0040	0.0026J	0.002J	0.29	<0.010	30.6	0.31B	<0.00020	0.049	0.87	<0.025	<0.0060	212	<0.020	<0.0050	0.0044J	
	11/4/2020	<0.20	<0.020	<0.015	0.076	<0.0020	0.00058J	110	0.0019J	<0.0040	0.0034J	<0.050	0.0035J	33.6	0.062	<0.00020	0.033	0.96B	<0.025	<0.0060	251B	<0.020	<0.0050	0.0039J	
	11/4/2020 DUP	0.063 J	<0.020	<0.015	0.075	<0.0020	0.0007J	109	0.0021J	<0.0040	0.0024J	<0.050J	0.0039J	32.9	0.061	<0.00020	0.032	0.8	<0.025	<0.0060	247B	<0.020	<0.0050	0.0039J	
	3/9/2021	0.085J	<0.020	<0.015	0.05	<0.0020	0.00056J	86.7	0.031	<0.0040	0.0066J	1.1B	<0.010	20.7	0.0083	<0.00020	0.13	0.72	<0.025	<0.0060	135	<0.020	<0.0050	0.007J	
	5/24/2021	0.066J	<0.020	<0.015	0.057	<0.0020	0.00069J	89.5	0.32	0.0025J	0.0095J	0.66B	<0.010	19.5	0.15	<0.00020	0.094	2	<0.025	<0.0060	126	<0.020	0.0017J	0.0083J	
	8/9/2021	<0.20	<0.020	<0.015	0.066	<0.0020	0.00063 J	133	0.048	0.0019 J	0.0076 J	0.16	<0.010	15	0.42 B	<0.00020	0.059	1.5	<0.025	<0.0060	68.6	<0.020	<0.0050	0.0055 J	
	11/9/2021	0.32	<0.0068	<0.0056	0.082	<0.00030	<0.00050	154	0.014	<0.00063	0.0073 J	0.43	<0.0030	21.1	0.014	<0.000043	0.027	1.6	<0.0087	<0.0017	75	<0.010	0.0021 J	0.006 J	
	11/9/2021 DUP	0.28	<0.0068	<0.0056	0.083	<0.00030	0.00059 J	156	0.016	<0.00063	0.008 J	0.48	<0.0030	21.1	0.015	<0.000043	0.028	1.6	<0.0087	<0.0017	76.4	<0.010	0.0024 J	0.0059 J	
	3/16/2022	0.064 J	<0.0068	<0.0056	0.038	<0.00030	<0.00050	89.3	0.0061 B	<0.00063	0.0025 J	0.095	<0.0030	11.4	0.0036 B	<0.000043	0.0087 J	0.91	<0.0087	<0.0017	39.1 T	<0.010	0.0015 J	0.0034 BJ	
	3/16/2022 DUP	<0.060	<0.0068	<0.0056	0.036	<0.00030	<0.00050	88.2	0.0081 B	<0.00063	0.0022 J	0.11	<0.0030	11.2	0.0038 B	<0.000043	0.0089 J	0.88	<0.0087	<0.0017	37.5	<0.010	0.0015 J	0.0026 BJ	
	5/18/2022	0.19 J	<0.0068	<0.0056	0.057	<0.00030	<0.00050	115	0.009	<0.00063	0.0032 J	0.29	0.0041 J	16.1	0.0078	<0.000043	0.014	1.3	<0.0087	<0.0017	72.1	<0.010	0.0019 J	0.0075 J	
	8/17/2022	3.6	<0.0068	<0.0056	0.076	<0.00030	0.00073 J	113	0.022	0.0021 J	0.025	3.6	0.011	13.4	0.26	<0.000043	0.042	2.6	<0.0087	<0.0017	64	<0.010	0.009	0.023	
	12/6/2022	0.13 J	<0.0068	<0.0056	0.053	<0.00030	<0.00050	104	0.0093	<0.00063	0.0055 J	0.19 B	<0.0030	15	0.022 B	<0.000043	0.011	1.2	<0.0087	<0.0017	85.6	<0.010	0.0022 J	0.0041 J	
	12/6/2022 DUP	0.078 J	<0.0068	<0.0056	0.05	<0.00030	<0.00050	101	0.0053	<0.00063	0.005 J	0.084 B	<0.0030	14.4	0.089 B	0.0001 J	0.0091 J	1.1	<0.0087	<0.0017	85.6	<0.010	0.0018 J	0.0029 J	
	2/2/2023	<0.060	<0.0068	<0.0056	0.033	<0.00030	<0.00050	71.3	0.0029 J	<0.00063	0.0034 J	0.048 J	<0.0030	9.7	0.0064 B	<0.000043	0.0066 J	1.1	<0.0087	<0.0017	52.6	<0.010	<0.0015	0.0027 J	
	6/29/2023	<0.060	<0.0068	<0.0056	0.052	<0.00030	<0.00050	88.5	0.001 J	<0.00063	0.0042 J	0.032 BJ	<0.0030	17.6 T	0.2 B	<0.000043	0.019	0.94	<0.0087	<0.0017	127	<0.010	0.0017 J	0.0033 J	
6/29/2023 DUP	<0.060	<0.0068	<0.0056	0.051	<0.00030	<0.00050	83.3	0.0014 J	<0.00063	0.0049 J	0.031 BJ	<0.0030	16.8	0.19 B	<0.000043	0.018	0.95	<0.0087	<0.0017	122	<0.010	<0.0015	0.0033 J		
9/15/2023	0.067 J	<0.0068	<0.0056	0.051	<0.00030	0.00077 J	108	0.0048	<0.00063	0.0083 J	0.13 B	<0.0030	12.2	0.79 B	<0.000043	0.018	1.1	<0.0087	<0.0017	36.6	<0.010	0.0028 J	0.0081 J		
MW-E05	11/19/2018	-	-	-	0.024	-	0.017	139	-	0.0091	0.12	0.088	0.015	14.1	0.17B	-	0.025	5.1	-	-	41.5	-	-	-	5.1
	3/14/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/2019	0.2	<0.020	<0.015	0.025	<0.0020	0.014	120	0.0020J	0.015	0.15B	0.39	0.066	11.2	0.2	<0.00020	0.022	4.4	<0.025	<0.0060	30.8	0.024	0.0015J	3.8	
	3/16/2020	0.077J	<0.020	<0.015	0.022	<0.0020	0.013	124	0.0013BJ	0.0094	0.12	0.1	0.016	13.3	0.13B	<0.00020	0.021B	3.5	0.017J	<0.0060	23.7	<0.020	<0.0050	4.5	
	5/27/2020	<0.20	<0.020	<0.015	0.024	<0.0020	0.013	122	<0.0040	0.0079	0.13	0.046J	0.0075J	12.7	0.09	<0.00020	0.019	3.7B	0.015J	<0.0060	24.6	<0.020	<0.0050	4.2B	
	8/11/2020	0.084J	<0.020	<0.015	0.034	<0.0020	0.013	124	<0.0040	0.0031J	0.12	0.13	0.016	12.8	0.019B	<0.00020	0.015	5	0.051	<0.0060	32.7	<0.020	<0.0050	2.8	
	11/5/2020	0.09J	<0.020	<0.015	0.038	<0.0020	0.016	162	<0.0040	0.0058	0.12	0.091	0.016	16.9	0.046	<0.00020	0.018	5B	0.03	<0.0060	32.5B	<0.020	<0.0050	3.7	
	3/9/2021	0.08J	<0.020	<0.015	0.026	<0.0020	0.013	131	<0.0040	0.0046	0.099	0.11B	0.011	14.1	0.027	<0.00020	0.017	3.7	0.029	<0.0060	29.2	<0.020	<0.0050	3.8	
	5/24/2021	0.18J	<0.020	<0.015	0.027	<0.0020	0.013	140	<0.0040	0.0047	0.13	0.2	0.011	15	0.068 B	<0.00020	0.019	4	0.031	<0.0060	21.4	<0.020	<0.0050	3.9	
	8/9/2021	<0.20	<0.020	<0.015	0.033	<0.0020	0.013	122	<0.0040	0.0047	0.12	0.049 J	0.013	12.2	0.064 B	<0.00020	0.015	4.1	0.016 J	<0.0060	17	<0.020	<0.0050	2.9	
	11/9/2021	<0.060	<0.0068	<0.0056	0.031	<0.00030	0.014	129	<0.0010	0.0089	0.11	0.064	0.012	14.2	0.14	<0.000043	0.017	4.3	<0.0087	<0.0017	26.9	<0.010	<0.0015	3.3	
	3/16/2022	0.21	<0.0068	<0.0056	0.025	<0.00030	0.011	127	0.0012 BJ	0.012	0.12	0.26	0.024	14.7	0.14 B	<0.000043	0.014	3.1	<0.0087	<0.0017	22.5	<0.010	<0.0015	2.8 B	
	5/18/2022	0.079 J	<0.0068	<0.0056	0.03	<0.00030	0.013	151	<0.0010	0.0073	0.14	0.11	0.018	17.1	0.23	<0.000043	0.015	4	<0.0087	<0.0017	27.3	<0.010	<0.0015	2.8	
	5/18/2022 DUP	0.068 J	<0.0068	<0.0056	0.03	<0.00030	0.013	147	<0.0010	0.0078	0.14	0.15	0.02	16.5	0.23	<0.000043	0.014	4	<0.0087	<0.0017	26.7	<0.010	<0.0015	2.8	
	8/17/2022	7	<0.0068	0.021	0.075	0.00048 J	0.012	150	0.01	0.039	0.34	8.6	0.17	18.7	0.83 B	0.00013 J	0.022	5.6 B	<0.0087	<0.0017	32.2 B	<0.010	0.015	2.5 B	
	12/6/2022	<0.060	<0.0068	<0.0056	0.036	<0.00030	0.014	163	<0.0010	0.0024 J															



Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2022-2023 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	2,4-DICHLOROPHENOL	2-CHLOROPHENOL	2,4-DINITROTOLUENE	2-Methylnaphthalene	ACENAPHTHENE	ANILINE (PHENYLAMINE, AMINO BENZENE)	ACETOPHENONE	4-CHLOROANILINE	4-METHYLPHENOL
		Class GA Standard (ug/L):	5	NA	5	NA	20	5	NA	5	NA
RFI-29	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	0.75 J	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2022		ND	ND	ND	ND	ND	1.5 J	ND	2.8 J	ND
	5/18/2022		ND	ND	ND	ND	ND	1.6 J	ND	9.5	ND
	8/17/2022		ND	ND	ND	ND	ND	1.4 J	ND	7.7	1.4 J
	12/6/2022		ND	ND	ND	ND	ND	ND	ND	5.4	ND
RFI-32A	2/2/2023		ND	ND	ND	ND	ND	ND	ND	3.9 J	ND
	6/29/2023		ND	ND	ND	ND	ND	ND	ND	3 J	ND
	3/16/2020		ND	1.5 J	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	9.7	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	23	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	1.4 J	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	3.5 J	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	3.2 J	ND	ND	ND	ND	ND	ND	ND
	8/17/2022		1.8 J	500 (640)	ND	ND	ND	ND	2.1 J	ND	0.42 J
	12/6/2022		ND	190	ND	ND	ND	ND	ND	ND	ND
RFI-33	2/2/2023		ND	210	ND	ND	ND	ND	ND	ND	ND
	6/29/2023		ND	78 J	ND	ND	ND	ND	ND	ND	ND
	9/15/2023		ND	99 J (86 J)	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	0.72 J	ND	ND	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E05	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND



Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2022-2023 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	PHENOL	2-METHYLPHENOL	ACENAPHTHYLENE	ANTHRACENE	BENZO(A) ANTHRACENE	BIPHENYL (DIPHENYL)	CARBAZOLE	DIBENZOFURAN	FLUORANTHENE	FLUORENE	NAPHTHALENE	PHENANTHRENE	PYRENE
		Class GA Standard (ug/L):	1	NA	NA	50	0.002	NA	NA	NA	50	50	10	50	50
RFI-29	5/27/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 BJ	ND
	8/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/18/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/2/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6/29/2023	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	
RFI-32A	3/16/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 BJ	ND
	8/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15 J	ND	ND
	5/24/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022	4.4 J (5.6)	0.63 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND
	12/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/2/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/29/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/15/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
RFI-33	5/27/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 BJ	ND
	8/12/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/29/2023	ND	ND	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND
MW-E05	5/27/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 BJ	ND
	8/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2022-2023 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	ACETONE	2,4-DIMETHYLPHENOL	DIETHYL PHTHALATE	DI-N-BUTYL PHTHALATE	BENZYL BUTYL PHTHALATE	METHYLENE CHLORIDE	CARBON DISULFIDE
		Class GA Standard (ug/L):	50	50	50	50	NA	5	60
RFI-29	5/27/2020		ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	0.62 J	0.27 J	0.46 J	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.4 J	ND	ND	ND
	5/24/2021		ND	ND	ND	0.53 BJ	ND	ND	ND
	8/9/2021		ND	ND	ND	0.4 J	ND	ND	1.7
	3/16/2022		ND	ND	ND	ND	ND	1 J	3
	5/18/2022		ND	ND	ND	ND	ND	ND	ND
	8/17/2022		ND	ND	ND	ND	ND	ND	ND
	12/6/2022		ND	ND	ND	ND	ND	ND	ND
RFI-32A	2/2/2023		ND	ND	ND	ND	ND	ND	0.4 J
	6/29/2023		ND	ND	ND	ND	ND	ND	ND
	3/16/2020		ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	0.77 J	ND	0.47 BJ	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	8.6 J	ND
	5/24/2021		6 J (5.9J)	ND	ND	ND	ND	ND	ND
	8/17/2022		ND	ND	ND	ND	ND	ND	ND
	12/6/2022		ND	ND	ND	ND	ND	ND	ND
RFI-33	2/2/2023		ND	ND	ND	ND	ND	ND	ND
	6/29/2023		ND	ND	ND	ND	ND	ND	ND
	9/15/2023		ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	1.0 J	ND	0.46 BJ	ND	ND	ND
	3/9/2021		ND	ND	ND	0.34 J	ND	ND	ND
MW-E05	8/9/2021		ND	ND	ND	0.53 J	ND	ND	ND
	6/29/2023		ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	0.51 BJ	ND	ND	ND
	3/9/2021		ND	ND	ND	0.37 J	ND	ND	ND
	5/24/2021		ND	ND	ND	0.6 BJ	ND	ND	ND
8/9/2021		ND	ND	ND	1.1 J	ND	ND	ND	
11/9/2021		ND	ND	ND	0.4 BJ	ND	ND	ND	



Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2022-2023 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	CAPROLACTAM	TOLUENE	TRICHLOROETHYLENE	1,2,4- TRICHLOROBENZENE	CIS-1,2- DICHLOROETHYLENE	ETHYLBENZENE	TETRACHLOROETHYLENE	XYLENES
		Class GA Standard (ug/L):	NA	5	5	5	5	5	5	5
RFI-29	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021		2.3	ND	ND	ND	ND	ND	ND	ND
	3/16/2022		ND	ND	ND	ND	ND	ND	ND	ND
	5/18/2022		ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022		ND	ND	ND	ND	ND	ND	ND	ND
	12/6/2022		ND	ND	ND	ND	ND	ND	ND	ND
RFI-32A	2/2/2023		ND	ND	ND	ND	ND	ND	ND	ND
	6/29/2023		ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2020		ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022		2.2 J	390	73 J	ND	ND	ND	ND	ND
	12/6/2022		ND	ND	ND	ND	ND	ND	ND	ND
RFI-33	2/2/2023		ND	ND	ND	ND	ND	ND	ND	ND
	6/29/2023		ND	72	28	1.9 J	11	23	5.4	23
	9/15/2023		ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND
MW-E05	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2021		ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Only those VOC/SVOCs detected during at least one sampling event shown.

J = estimated value below method reporting limit. B = compound found in blank and sample.

Yellow highlighted cells indicate an exceedance of Class GA standard shown. If detected, results from a field duplicate are shown within a parenthetical of the primary sample results.

Exceedances for sample with primary/duplicate are based on the higher of the two values.



Table 3
 GW Measurement Logs
 Buffalo Color Corporation Site Area E
 BCP Site #C915232
 Buffalo, NY

Sample Event Year	Sample Event Quarter	Well ID	Casing Elevation (ft. AMSL)	Comments	LNAPL	Water Level Measurement Date	Static Depth To Water (ft)	Groundwater Elevation (ft. AMSL)
2022	4Q	MW-E05	586.68		Not Present	12/5/2022	4.98	581.70
2022	4Q	RFI-29	585.69		Not Present	12/5/2022	5.32	580.37
2022	4Q	RFI-32AR	585.66		Not Present	12/5/2022	4.31	581.35
2022	4Q	RFI-33	583.17		Not Present	12/5/2022	3.23	579.94
2022	1Q	MW-E05	586.68		Not Present	3/28/2023	4.98	581.70
2023	1Q	RFI-29	585.69		Not Present	3/28/2023	5.59	580.10
2023	1Q	RFI-32AR	585.66		Not Present	3/28/2023	5.75	579.91
2023	1Q	RFI-33	583.17		Not Present	3/28/2023	4.23	578.94
2023	2Q	MW-E05	586.68		Not Present	6/26/2023	8.12	578.56
2023	2Q	RFI-29	585.69		Not Present	6/26/2023	6.81	578.88
2023	2Q	RFI-32AR	585.66		Not Present	6/26/2023	5.45	580.21
2023	2Q	RFI-33	583.17		Not Present	6/26/2023	4.23	578.94
2023	3Q	MW-E05	586.68	ORC-A Socks in Well	Not Present	9/8/2023	4.98	581.70
2023	3Q	RFI-29	585.69	ORC-A Socks in Well	Not Present	9/8/2023	5.43	580.26
2023	3Q	RFI-32AR	585.66		Not Present	9/8/2023	5.32	580.34
2023	3Q	RFI-33	583.17		Not Present	9/8/2023	4.21	578.96

Note: Monitoring well casing elevation based on September 2012 (MW-E05, RFI-29, RFI-33) and April 2023 (RFI-32AR) surveys.



Table 4
SSD System Period Communication Testing
Buffalo Color Corporation Site Area E
BCP Site #C915232
Buffalo, NY

Date:	Vapor Port:	Reading(wci) (a)
7/21/2023	P1-	-0.314
	P2-	-0.370
	P3-	-0.378
	P4-	-0.259
8/30/2023	P1-	-0.302
	P2-	-0.362
	P3-	-0.362
	P4-	-0.238
9/29/2023	P1-	-0.293
	P2-	-0.334
	P3-	-0.326
	P4-	-0.232
10/31/2023	P1-	-0.259
	P2-	-0.305
	P3-	-0.307
	P4-	-0.203

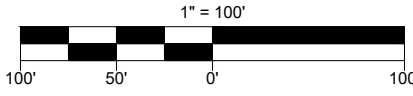
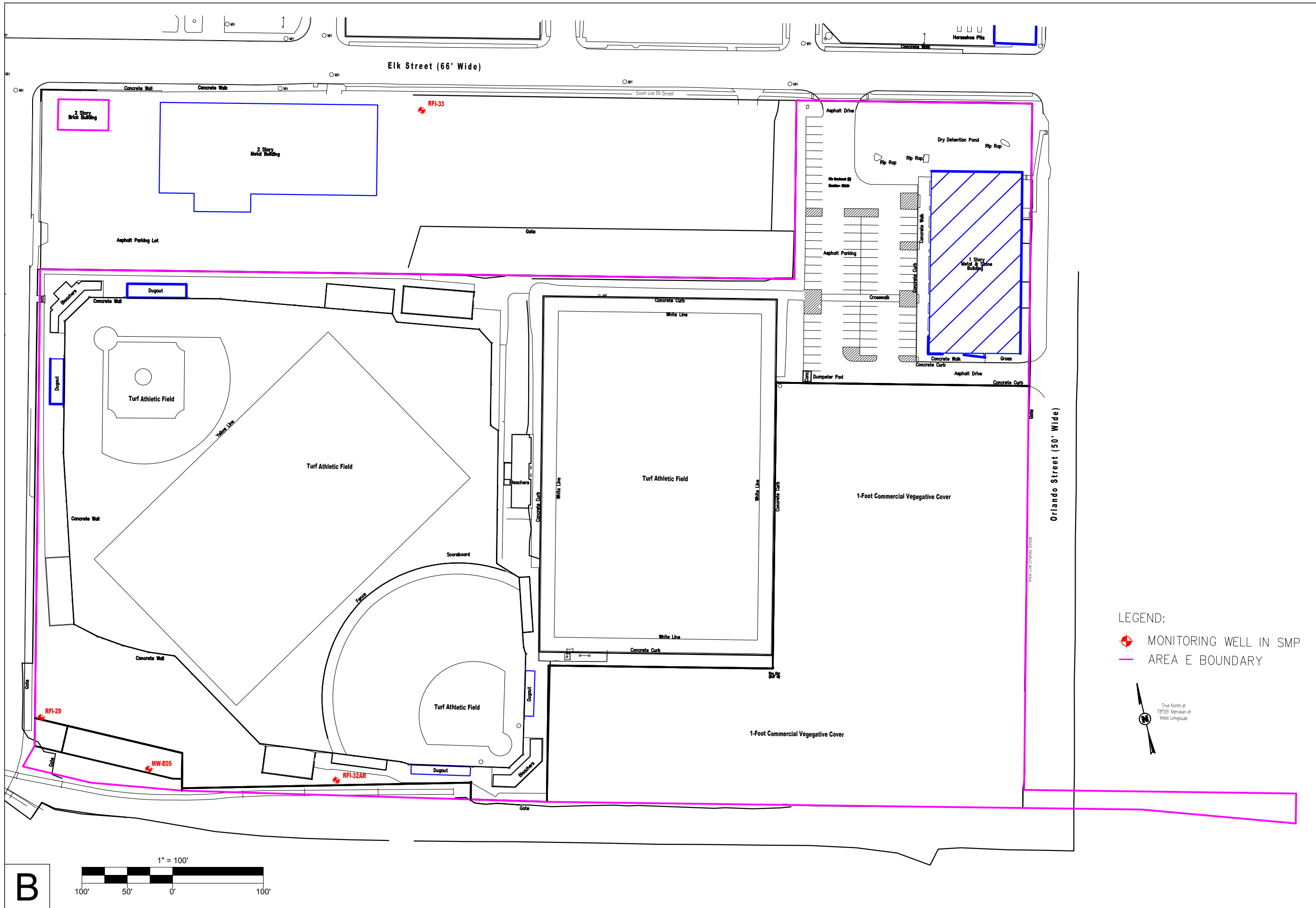
(a) Vacuum readings collected using a handheld digital manometer (Model: Dwyer 475-00-FM)

"wci" = Inches of Water column



Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Figures





B

LEGEND:
 MONITORING WELL IN SMP
 AREA E BOUNDARY



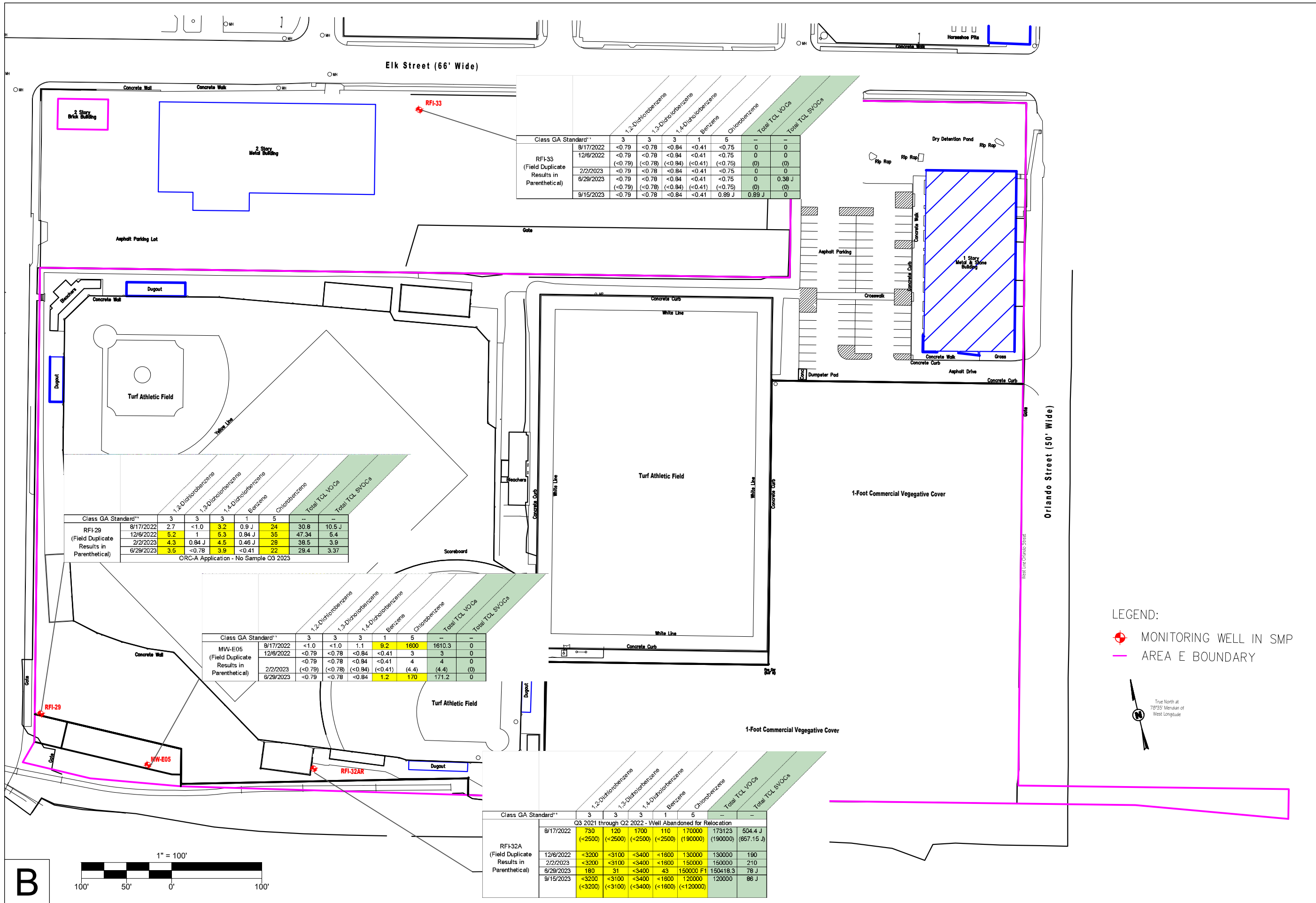
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SITE LAYOUT
 BUFFALO COLOR CORPORATION
 SITE AREA E
 100 LEE STREET (F/K/A 85 LEE STREET) ET. AL.
 BUFFALO, NY

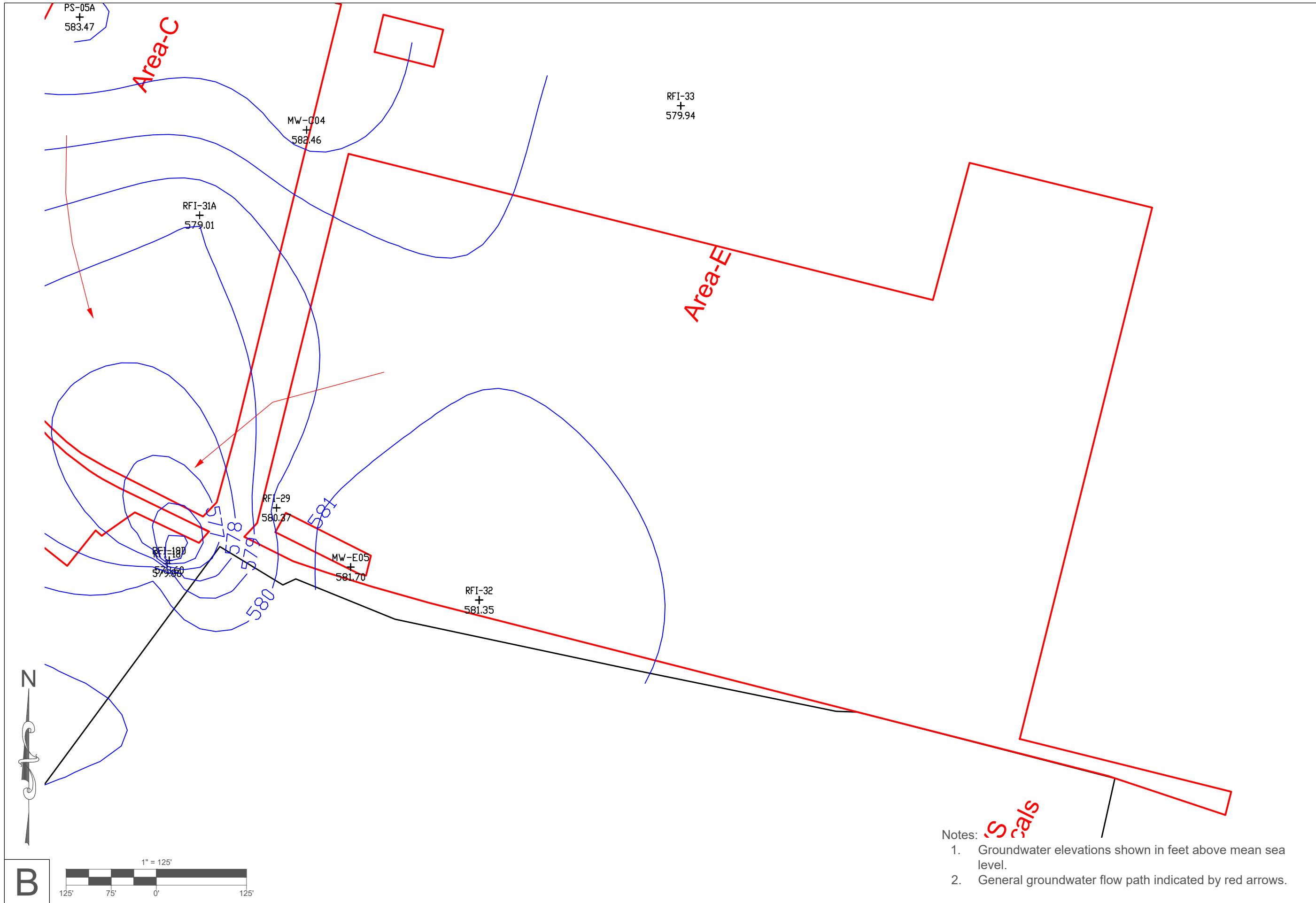
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 HERNDON, VIRGINIA 20170



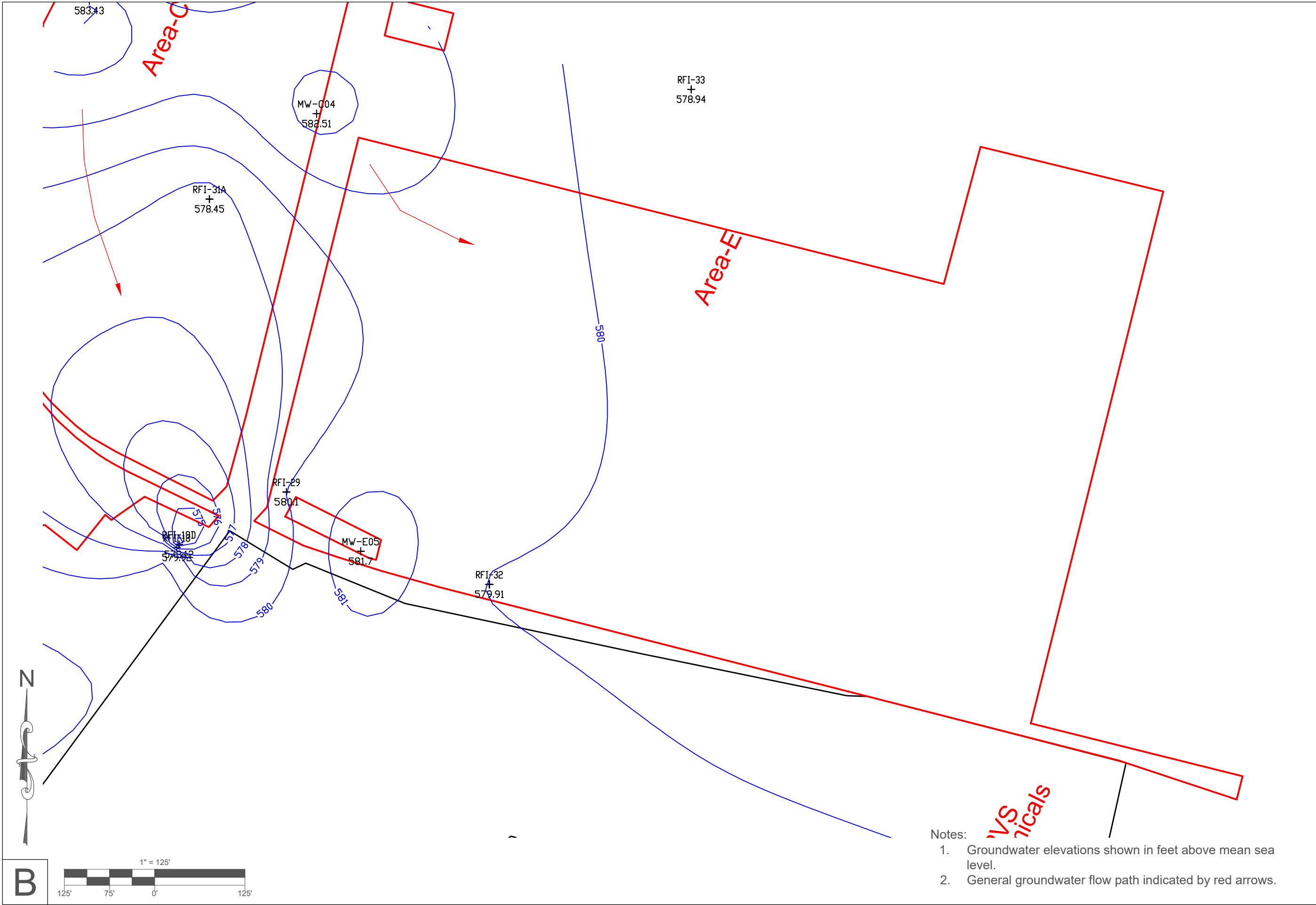
FIGURE 1
 DRAWING NUMBER



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GROUNDWATER DATA SUMMARY BUFFALO COLOR CORPORATION SITE AREA E 100 LEE STREET (F/K/A 85 LEE STREET) ET. AL. BUFFALO, NY	
INVENTUM ENGINEERING 441 CARLISLE DRIVE SUITE C HERNDON, VIRGINIA 20170	
FIGURE 2 DRAWING NUMBER	



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FOURTH QUARTER 2022 GROUNDWATER ELEVATION CONTOURS BUFFALO COLOR AREA-E			
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FIGURE 3 DRAWING NUMBER			



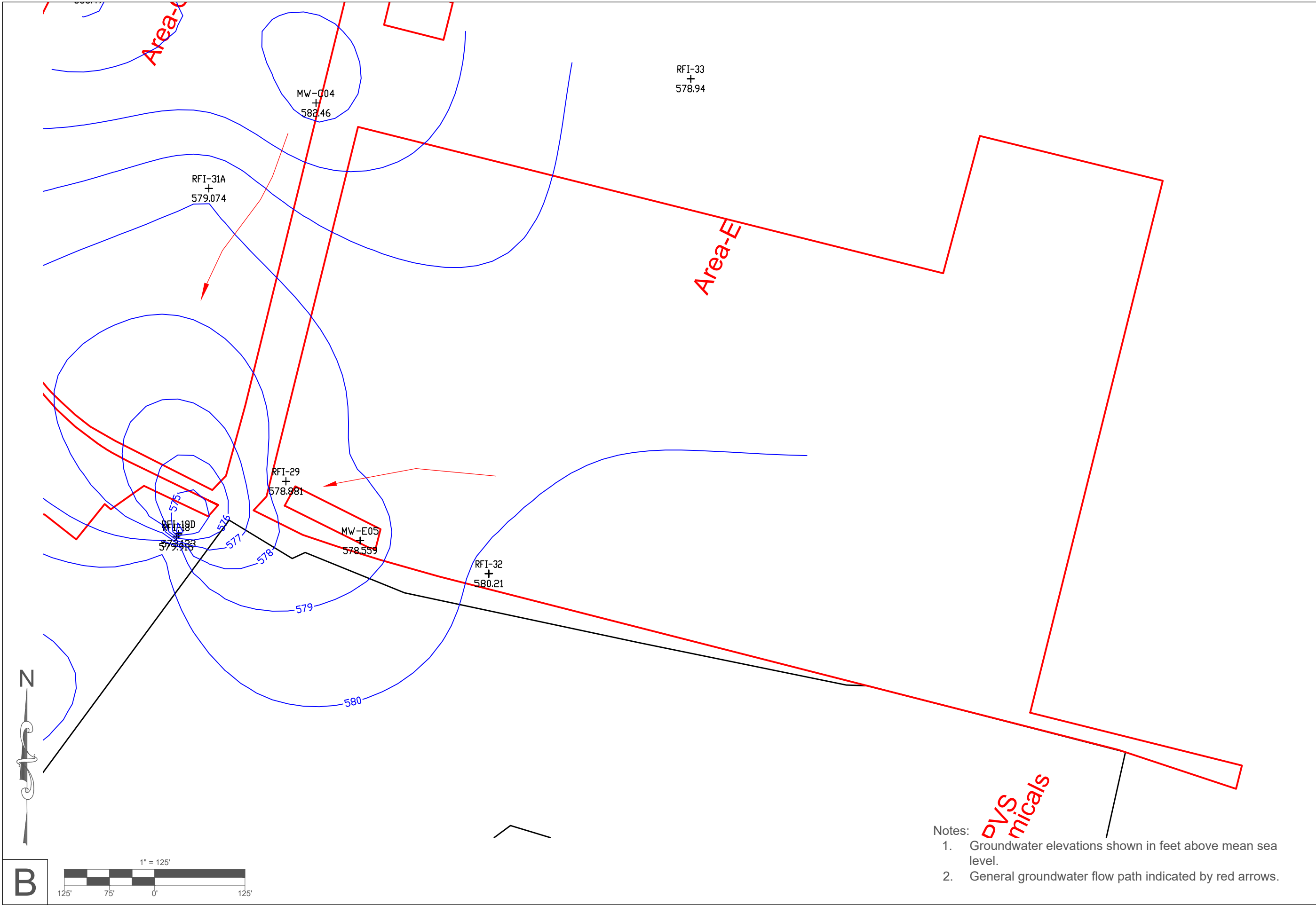
- Notes:
1. Groundwater elevations shown in feet above mean sea level.
 2. General groundwater flow path indicated by red arrows.

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FIRST QUARTER 2023
 GROUNDWATER ELEVATION
 CONTOURS
 BUFFALO COLOR AREA-E


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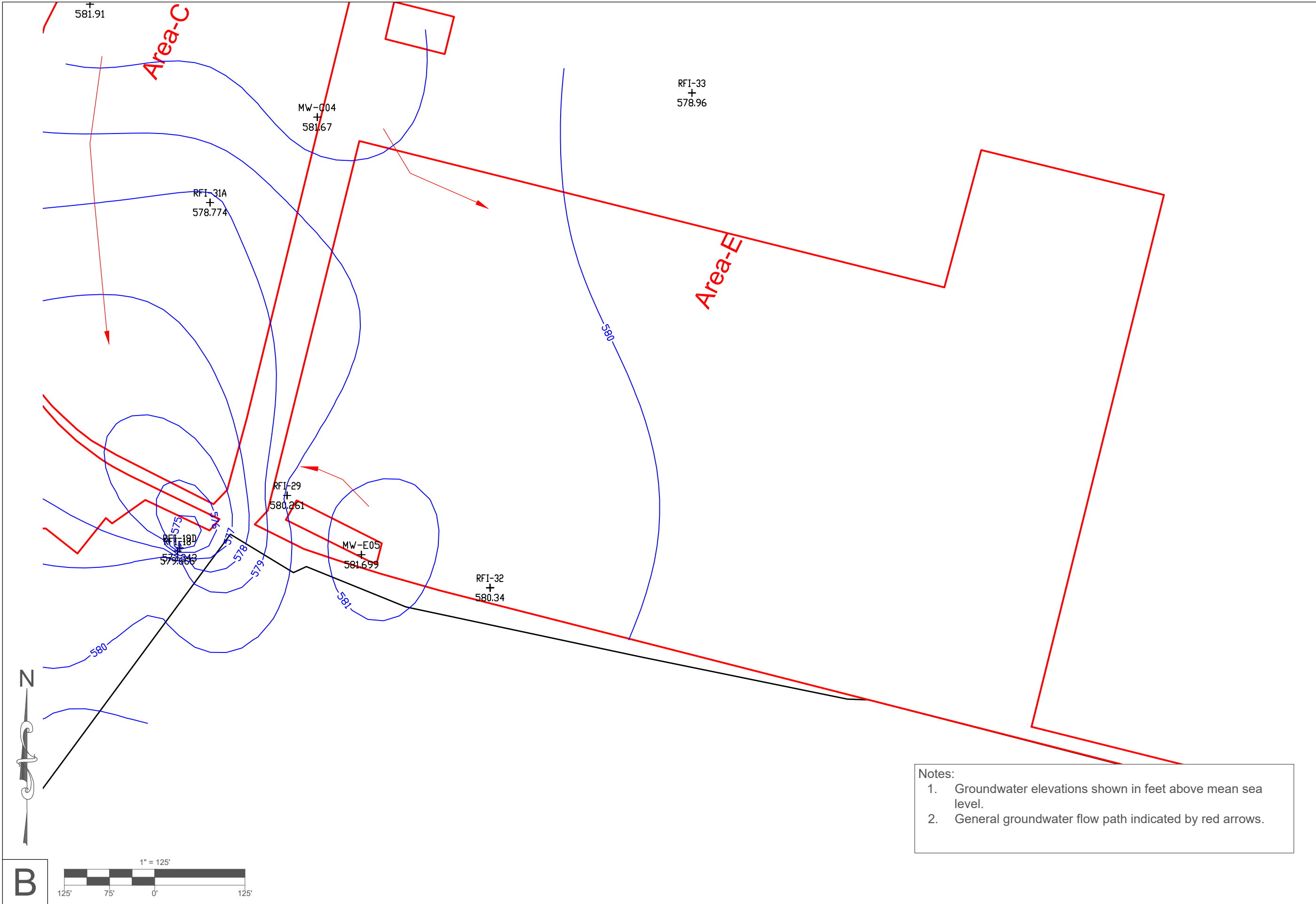
FIGURE 4
DRAWING NUMBER



- Notes:
1. Groundwater elevations shown in feet above mean sea level.
 2. General groundwater flow path indicated by red arrows.

*DVS
micals*

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SECOND QUARTER 2023 GROUNDWATER ELEVATION CONTOURS BUFFALO COLOR AREA-E			
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FIGURE 5 DRAWING NUMBER			



Notes:
 1. Groundwater elevations shown in feet above mean sea level.
 2. General groundwater flow path indicated by red arrows.

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THIRD QUARTER
 2023 GROUNDWATER ELEVATION
 CONTOURS
 BUFFALO COLOR AREA-E

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FIGURE 6

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D



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SUB-SLAB DEPRESSURIZATION SYSTEM TESTING

BUFFALO COLOR COPORATION AREA E

2022-2023 PRR

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FIGURE 7
SCALE
1/8" = 1'

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Appendices



Buffalo Color Corporation Site Area E Site Management Periodic Review Report
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NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Appendix A – Analytical Data



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Kirsten Colligan
Ontario Specialty Contracting, Inc.
140 Lee St.
Buffalo, New York 14210
Generated 12/15/2022 6:27:50 PM

JOB DESCRIPTION

Buffalo Color Area E Wells
Buffalo Color Area E Wells

JOB NUMBER

480-204471-1

Eurofins Buffalo

Job Notes

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

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John.Schove@et.eurofinsus.com
(716)504-9838



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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Job ID: 480-204471-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-204471-1

Comments

No additional comments.

Receipt

The samples were received on 12/6/2022 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A_1222 (480-204471-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-652803 was outside criteria for the following analyte(s): Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: BCC Area E RFI-33 D_1222 (480-204471-1) and BCC Area E RFI-32A_1222 (480-204471-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-652606 and analytical batch 480-652803 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.078	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.050		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	101		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0053		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0050	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.084	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	14.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.089	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0091	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	85.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0018	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0029	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.00010	J	0.00020	0.000043	mg/L	1		7470A	Total/NA

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	3.0		1.0	0.75	ug/L	1		8260C	Total/NA
Barium	0.036		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.014		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	163		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0024	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.12		0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0071	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	19.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.077	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.017		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	27.3		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	3.0		0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.000067	J	0.00020	0.000043	mg/L	1		7470A	Total/NA

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	5.2		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	1.0		1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	5.3		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	0.84	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	35		1.0	0.75	ug/L	1		8260C	Total/NA
4-Chloroaniline	5.4		5.0	0.59	ug/L	1		8270D	Total/NA
Aluminum	0.088	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.078		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	219		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.39	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	31.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.31	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	12.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	137		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0021	J	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	130000		4000	3000	ug/L	4000		8260C	Total/NA
2-Chlorophenol	190		100	11	ug/L	20		8270D	Total/NA
Aluminum	0.082	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.037		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	275		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0011	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0019	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0027	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	2.5	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	86.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.65	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0063	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	117		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0027	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.13	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.053		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	104		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0093		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0055	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.19	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	15.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.022	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.011		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	85.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0041	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-204471-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Date Collected: 12/06/22 10:25

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/22 11:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/22 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/22 11:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/22 11:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/22 11:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/22 11:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/22 11:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/22 11:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/22 11:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/22 11:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/22 11:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/22 11:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/22 11:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/22 11:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/22 11:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/22 11:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/22 11:02	1
Acetone	ND		10	3.0	ug/L			12/12/22 11:02	1
Benzene	ND		1.0	0.41	ug/L			12/12/22 11:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/22 11:02	1
Bromoform	ND		1.0	0.26	ug/L			12/12/22 11:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/22 11:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/22 11:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/22 11:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/22 11:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/22 11:02	1
Chloroform	ND		1.0	0.34	ug/L			12/12/22 11:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/22 11:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/22 11:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/22 11:02	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/22 11:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/22 11:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/22 11:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/22 11:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/22 11:02	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/22 11:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/22 11:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/22 11:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/22 11:02	1
Styrene	ND		1.0	0.73	ug/L			12/12/22 11:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/22 11:02	1
Toluene	ND		1.0	0.51	ug/L			12/12/22 11:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/22 11:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/22 11:02	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/22 11:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/22 11:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/22 11:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/22 11:02	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Date Collected: 12/06/22 10:25

Matrix: Ground Water

Date Received: 12/06/22 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		12/12/22 11:02	1
4-Bromofluorobenzene (Surr)	103		73 - 120		12/12/22 11:02	1
Toluene-d8 (Surr)	99		80 - 120		12/12/22 11:02	1
Dibromofluoromethane (Surr)	100		75 - 123		12/12/22 11:02	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,4-Dichlorophenol	ND		100	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,4-Dimethylphenol	ND		100	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,4-Dinitrophenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		12/08/22 08:19	12/10/22 00:25	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Chloronaphthalene	ND		100	9.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Chlorophenol	ND		100	11	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Methylnaphthalene	ND		100	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Methylphenol	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Nitroaniline	ND		200	8.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
2-Nitrophenol	ND		100	9.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
3-Nitroaniline	ND		200	9.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Chloroaniline	ND		100	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Methylphenol	ND		200	7.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Nitroaniline	ND		200	5.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
4-Nitrophenol	ND		200	30	ug/L		12/08/22 08:19	12/10/22 00:25	20
Acenaphthene	ND		100	8.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Acenaphthylene	ND		100	7.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
Acetophenone	ND		100	11	ug/L		12/08/22 08:19	12/10/22 00:25	20
Aniline	ND		200	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
Anthracene	ND		100	5.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
Atrazine	ND		100	9.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzaldehyde	ND		100	5.3	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzo(a)anthracene	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzo(a)pyrene	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
Benzo(k)fluoranthene	ND		100	15	ug/L		12/08/22 08:19	12/10/22 00:25	20
Biphenyl	ND		100	13	ug/L		12/08/22 08:19	12/10/22 00:25	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		12/08/22 08:19	12/10/22 00:25	20
Butyl benzyl phthalate	ND		100	20	ug/L		12/08/22 08:19	12/10/22 00:25	20
Caprolactam	ND		100	44	ug/L		12/08/22 08:19	12/10/22 00:25	20
Carbazole	ND		100	6.0	ug/L		12/08/22 08:19	12/10/22 00:25	20

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Date Collected: 12/06/22 10:25

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
Dibenzofuran	ND		200	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
Diethyl phthalate	ND		100	4.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
Dimethyl phthalate	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
Fluoranthene	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 00:25	20
Fluorene	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 00:25	20
Hexachlorobenzene	ND		100	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
Hexachlorobutadiene	ND		100	14	ug/L		12/08/22 08:19	12/10/22 00:25	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
Hexachloroethane	ND		100	12	ug/L		12/08/22 08:19	12/10/22 00:25	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 00:25	20
Isophorone	ND		100	8.6	ug/L		12/08/22 08:19	12/10/22 00:25	20
Naphthalene	ND		100	15	ug/L		12/08/22 08:19	12/10/22 00:25	20
Nitrobenzene	ND		100	5.8	ug/L		12/08/22 08:19	12/10/22 00:25	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		12/08/22 08:19	12/10/22 00:25	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		12/08/22 08:19	12/10/22 00:25	20
Pentachlorophenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 00:25	20
Phenanthrene	ND		100	8.8	ug/L		12/08/22 08:19	12/10/22 00:25	20
Phenol	ND		100	7.8	ug/L		12/08/22 08:19	12/10/22 00:25	20
Pyrene	ND		100	6.8	ug/L		12/08/22 08:19	12/10/22 00:25	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		41 - 120	12/08/22 08:19	12/10/22 00:25	20
2-Fluorobiphenyl	85		48 - 120	12/08/22 08:19	12/10/22 00:25	20
2-Fluorophenol	55		35 - 120	12/08/22 08:19	12/10/22 00:25	20
Nitrobenzene-d5	72		46 - 120	12/08/22 08:19	12/10/22 00:25	20
Phenol-d5	0	S1-	22 - 120	12/08/22 08:19	12/10/22 00:25	20
p-Terphenyl-d14	82		60 - 148	12/08/22 08:19	12/10/22 00:25	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.078	J	0.20	0.060	mg/L		12/08/22 09:10	12/09/22 13:23	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 13:23	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 13:23	1
Barium	0.050		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 13:23	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 13:23	1
Cadmium	ND		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 13:23	1
Calcium	101		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:23	1
Chromium	0.0053		0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 13:23	1
Cobalt	ND		0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 13:23	1
Copper	0.0050	J	0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 13:23	1
Iron	0.084	B	0.050	0.019	mg/L		12/08/22 09:10	12/09/22 13:23	1
Lead	ND		0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 13:23	1
Magnesium	14.4		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 13:23	1
Manganese	0.089	B	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 13:23	1
Nickel	0.0091	J	0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 13:23	1
Potassium	1.1		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:23	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Date Collected: 12/06/22 10:25

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		12/08/22 09:10	12/09/22 13:23	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 13:23	1
Sodium	85.6		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 13:23	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 13:23	1
Vanadium	0.0018	J	0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 13:23	1
Zinc	0.0029	J	0.010	0.0015	mg/L		12/08/22 09:10	12/09/22 13:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00010	J	0.00020	0.000043	mg/L		12/09/22 10:46	12/09/22 16:25	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Date Collected: 12/06/22 14:35

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/22 11:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/22 11:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/22 11:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/22 11:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/22 11:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/22 11:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/22 11:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/22 11:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/22 11:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/22 11:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/22 11:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/22 11:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/22 11:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/22 11:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/22 11:24	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/22 11:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/22 11:24	1
Acetone	ND		10	3.0	ug/L			12/12/22 11:24	1
Benzene	ND		1.0	0.41	ug/L			12/12/22 11:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/22 11:24	1
Bromoform	ND		1.0	0.26	ug/L			12/12/22 11:24	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/22 11:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/22 11:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/22 11:24	1
Chlorobenzene	3.0		1.0	0.75	ug/L			12/12/22 11:24	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/22 11:24	1
Chloroform	ND		1.0	0.34	ug/L			12/12/22 11:24	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/22 11:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/22 11:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/22 11:24	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/22 11:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/22 11:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/22 11:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/22 11:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/22 11:24	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/22 11:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/22 11:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/22 11:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/22 11:24	1
Styrene	ND		1.0	0.73	ug/L			12/12/22 11:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/22 11:24	1
Toluene	ND		1.0	0.51	ug/L			12/12/22 11:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/22 11:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/22 11:24	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/22 11:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/22 11:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/22 11:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/22 11:24	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Date Collected: 12/06/22 14:35

Matrix: Ground Water

Date Received: 12/06/22 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/12/22 11:24	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/12/22 11:24	1
Toluene-d8 (Surr)	99		80 - 120		12/12/22 11:24	1
Dibromofluoromethane (Surr)	106		75 - 123		12/12/22 11:24	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 00:53	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Nitroaniline	ND		10	0.42	ug/L		12/08/22 08:19	12/10/22 00:53	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/10/22 00:53	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 00:53	1
3-Nitroaniline	ND		10	0.48	ug/L		12/08/22 08:19	12/10/22 00:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Methylphenol	ND		10	0.36	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Nitroaniline	ND		10	0.25	ug/L		12/08/22 08:19	12/10/22 00:53	1
4-Nitrophenol	ND		10	1.5	ug/L		12/08/22 08:19	12/10/22 00:53	1
Acenaphthene	ND		5.0	0.41	ug/L		12/08/22 08:19	12/10/22 00:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/08/22 08:19	12/10/22 00:53	1
Acetophenone	ND		5.0	0.54	ug/L		12/08/22 08:19	12/10/22 00:53	1
Aniline	ND		10	0.61	ug/L		12/08/22 08:19	12/10/22 00:53	1
Anthracene	ND		5.0	0.28	ug/L		12/08/22 08:19	12/10/22 00:53	1
Atrazine	ND		5.0	0.46	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 00:53	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		12/08/22 08:19	12/10/22 00:53	1
Biphenyl	ND		5.0	0.65	ug/L		12/08/22 08:19	12/10/22 00:53	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/08/22 08:19	12/10/22 00:53	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 00:53	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 00:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/08/22 08:19	12/10/22 00:53	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/08/22 08:19	12/10/22 00:53	1
Caprolactam	ND		5.0	2.2	ug/L		12/08/22 08:19	12/10/22 00:53	1
Carbazole	ND		5.0	0.30	ug/L		12/08/22 08:19	12/10/22 00:53	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Date Collected: 12/06/22 14:35

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		12/08/22 08:19	12/10/22 00:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/08/22 08:19	12/10/22 00:53	1
Dibenzofuran	ND		10	0.51	ug/L		12/08/22 08:19	12/10/22 00:53	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/08/22 08:19	12/10/22 00:53	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 00:53	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/08/22 08:19	12/10/22 00:53	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 00:53	1
Fluoranthene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 00:53	1
Fluorene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 00:53	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 00:53	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/08/22 08:19	12/10/22 00:53	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 00:53	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 00:53	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 00:53	1
Isophorone	ND		5.0	0.43	ug/L		12/08/22 08:19	12/10/22 00:53	1
Naphthalene	ND		5.0	0.76	ug/L		12/08/22 08:19	12/10/22 00:53	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/08/22 08:19	12/10/22 00:53	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/08/22 08:19	12/10/22 00:53	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 00:53	1
Pentachlorophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 00:53	1
Phenanthrene	ND		5.0	0.44	ug/L		12/08/22 08:19	12/10/22 00:53	1
Phenol	ND		5.0	0.39	ug/L		12/08/22 08:19	12/10/22 00:53	1
Pyrene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/10/22 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		41 - 120	12/08/22 08:19	12/10/22 00:53	1
2-Fluorobiphenyl	109		48 - 120	12/08/22 08:19	12/10/22 00:53	1
2-Fluorophenol	66		35 - 120	12/08/22 08:19	12/10/22 00:53	1
Nitrobenzene-d5	97		46 - 120	12/08/22 08:19	12/10/22 00:53	1
Phenol-d5	50		22 - 120	12/08/22 08:19	12/10/22 00:53	1
p-Terphenyl-d14	86		60 - 148	12/08/22 08:19	12/10/22 00:53	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/08/22 09:10	12/09/22 13:27	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 13:27	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 13:27	1
Barium	0.036		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 13:27	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 13:27	1
Cadmium	0.014		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 13:27	1
Calcium	163		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:27	1
Chromium	ND		0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 13:27	1
Cobalt	0.0024	J	0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 13:27	1
Copper	0.12		0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 13:27	1
Iron	ND		0.050	0.019	mg/L		12/08/22 09:10	12/09/22 13:27	1
Lead	0.0071	J	0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 13:27	1
Magnesium	19.0		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 13:27	1
Manganese	0.077	B	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 13:27	1
Nickel	0.017		0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 13:27	1
Potassium	4.5		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:27	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Date Collected: 12/06/22 14:35

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		12/08/22 09:10	12/09/22 13:27	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 13:27	1
Sodium	27.3		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 13:27	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 13:27	1
Vanadium	ND		0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 13:27	1
Zinc	3.0		0.010	0.0015	mg/L		12/08/22 09:10	12/09/22 13:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000067	J	0.00020	0.000043	mg/L		12/09/22 10:46	12/09/22 16:26	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Date Collected: 12/06/22 16:10

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/22 14:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/22 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/22 14:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/22 14:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/22 14:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/22 14:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/22 14:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/22 14:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/22 14:12	1
1,2-Dichlorobenzene	5.2		1.0	0.79	ug/L			12/09/22 14:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/22 14:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/22 14:12	1
1,3-Dichlorobenzene	1.0		1.0	0.78	ug/L			12/09/22 14:12	1
1,4-Dichlorobenzene	5.3		1.0	0.84	ug/L			12/09/22 14:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/22 14:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/22 14:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/22 14:12	1
Acetone	ND		10	3.0	ug/L			12/09/22 14:12	1
Benzene	0.84	J	1.0	0.41	ug/L			12/09/22 14:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/22 14:12	1
Bromoform	ND		1.0	0.26	ug/L			12/09/22 14:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/22 14:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/22 14:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/22 14:12	1
Chlorobenzene	35		1.0	0.75	ug/L			12/09/22 14:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/22 14:12	1
Chloroform	ND		1.0	0.34	ug/L			12/09/22 14:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/22 14:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/22 14:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/22 14:12	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/22 14:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/22 14:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/22 14:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/22 14:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/22 14:12	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/22 14:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/22 14:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/22 14:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/22 14:12	1
Styrene	ND		1.0	0.73	ug/L			12/09/22 14:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/22 14:12	1
Toluene	ND		1.0	0.51	ug/L			12/09/22 14:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/22 14:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/22 14:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/22 14:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/22 14:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/22 14:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/22 14:12	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Date Collected: 12/06/22 16:10

Matrix: Ground Water

Date Received: 12/06/22 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/09/22 14:12	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/09/22 14:12	1
Toluene-d8 (Surr)	100		80 - 120		12/09/22 14:12	1
Dibromofluoromethane (Surr)	98		75 - 123		12/09/22 14:12	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 01:20	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Nitroaniline	ND		10	0.42	ug/L		12/08/22 08:19	12/10/22 01:20	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/10/22 01:20	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 01:20	1
3-Nitroaniline	ND		10	0.48	ug/L		12/08/22 08:19	12/10/22 01:20	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Chloroaniline	5.4		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Methylphenol	ND		10	0.36	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Nitroaniline	ND		10	0.25	ug/L		12/08/22 08:19	12/10/22 01:20	1
4-Nitrophenol	ND		10	1.5	ug/L		12/08/22 08:19	12/10/22 01:20	1
Acenaphthene	ND		5.0	0.41	ug/L		12/08/22 08:19	12/10/22 01:20	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/08/22 08:19	12/10/22 01:20	1
Acetophenone	ND		5.0	0.54	ug/L		12/08/22 08:19	12/10/22 01:20	1
Aniline	ND		10	0.61	ug/L		12/08/22 08:19	12/10/22 01:20	1
Anthracene	ND		5.0	0.28	ug/L		12/08/22 08:19	12/10/22 01:20	1
Atrazine	ND		5.0	0.46	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 01:20	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		12/08/22 08:19	12/10/22 01:20	1
Biphenyl	ND		5.0	0.65	ug/L		12/08/22 08:19	12/10/22 01:20	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/08/22 08:19	12/10/22 01:20	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/08/22 08:19	12/10/22 01:20	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 01:20	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/08/22 08:19	12/10/22 01:20	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/08/22 08:19	12/10/22 01:20	1
Caprolactam	ND		5.0	2.2	ug/L		12/08/22 08:19	12/10/22 01:20	1
Carbazole	ND		5.0	0.30	ug/L		12/08/22 08:19	12/10/22 01:20	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Date Collected: 12/06/22 16:10

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		12/08/22 08:19	12/10/22 01:20	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/08/22 08:19	12/10/22 01:20	1
Dibenzofuran	ND		10	0.51	ug/L		12/08/22 08:19	12/10/22 01:20	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/08/22 08:19	12/10/22 01:20	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 01:20	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/08/22 08:19	12/10/22 01:20	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 01:20	1
Fluoranthene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/10/22 01:20	1
Fluorene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/10/22 01:20	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 01:20	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/08/22 08:19	12/10/22 01:20	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 01:20	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/08/22 08:19	12/10/22 01:20	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/10/22 01:20	1
Isophorone	ND		5.0	0.43	ug/L		12/08/22 08:19	12/10/22 01:20	1
Naphthalene	ND		5.0	0.76	ug/L		12/08/22 08:19	12/10/22 01:20	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/08/22 08:19	12/10/22 01:20	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/08/22 08:19	12/10/22 01:20	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/08/22 08:19	12/10/22 01:20	1
Pentachlorophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/10/22 01:20	1
Phenanthrene	ND		5.0	0.44	ug/L		12/08/22 08:19	12/10/22 01:20	1
Phenol	ND		5.0	0.39	ug/L		12/08/22 08:19	12/10/22 01:20	1
Pyrene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/10/22 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		41 - 120	12/08/22 08:19	12/10/22 01:20	1
2-Fluorobiphenyl	82		48 - 120	12/08/22 08:19	12/10/22 01:20	1
2-Fluorophenol	53		35 - 120	12/08/22 08:19	12/10/22 01:20	1
Nitrobenzene-d5	74		46 - 120	12/08/22 08:19	12/10/22 01:20	1
Phenol-d5	42		22 - 120	12/08/22 08:19	12/10/22 01:20	1
p-Terphenyl-d14	82		60 - 148	12/08/22 08:19	12/10/22 01:20	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.088	J	0.20	0.060	mg/L		12/08/22 09:10	12/09/22 13:31	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 13:31	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 13:31	1
Barium	0.078		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 13:31	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 13:31	1
Cadmium	ND		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 13:31	1
Calcium	219		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:31	1
Chromium	ND		0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 13:31	1
Cobalt	ND		0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 13:31	1
Copper	ND		0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 13:31	1
Iron	0.39	B	0.050	0.019	mg/L		12/08/22 09:10	12/09/22 13:31	1
Lead	ND		0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 13:31	1
Magnesium	31.8		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 13:31	1
Manganese	0.31	B	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 13:31	1
Nickel	0.0014	J	0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 13:31	1
Potassium	12.3		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:31	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Date Collected: 12/06/22 16:10

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		12/08/22 09:10	12/09/22 13:31	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 13:31	1
Sodium	137		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 13:31	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 13:31	1
Vanadium	ND		0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 13:31	1
Zinc	0.0021	J	0.010	0.0015	mg/L		12/08/22 09:10	12/09/22 13:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/09/22 11:47	12/09/22 17:11	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4000	3300	ug/L			12/09/22 14:36	4000
1,1,2,2-Tetrachloroethane	ND		4000	840	ug/L			12/09/22 14:36	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200	ug/L			12/09/22 14:36	4000
1,1,2-Trichloroethane	ND		4000	920	ug/L			12/09/22 14:36	4000
1,1-Dichloroethane	ND		4000	1500	ug/L			12/09/22 14:36	4000
1,1-Dichloroethene	ND		4000	1200	ug/L			12/09/22 14:36	4000
1,2,4-Trichlorobenzene	ND		4000	1600	ug/L			12/09/22 14:36	4000
1,2-Dibromo-3-Chloropropane	ND		4000	1600	ug/L			12/09/22 14:36	4000
1,2-Dibromoethane	ND		4000	2900	ug/L			12/09/22 14:36	4000
1,2-Dichlorobenzene	ND		4000	3200	ug/L			12/09/22 14:36	4000
1,2-Dichloroethane	ND		4000	840	ug/L			12/09/22 14:36	4000
1,2-Dichloropropane	ND		4000	2900	ug/L			12/09/22 14:36	4000
1,3-Dichlorobenzene	ND		4000	3100	ug/L			12/09/22 14:36	4000
1,4-Dichlorobenzene	ND		4000	3400	ug/L			12/09/22 14:36	4000
2-Butanone (MEK)	ND		40000	5300	ug/L			12/09/22 14:36	4000
2-Hexanone	ND		20000	5000	ug/L			12/09/22 14:36	4000
4-Methyl-2-pentanone (MIBK)	ND		20000	8400	ug/L			12/09/22 14:36	4000
Acetone	ND		40000	12000	ug/L			12/09/22 14:36	4000
Benzene	ND		4000	1600	ug/L			12/09/22 14:36	4000
Bromodichloromethane	ND		4000	1600	ug/L			12/09/22 14:36	4000
Bromoform	ND		4000	1000	ug/L			12/09/22 14:36	4000
Bromomethane	ND		4000	2800	ug/L			12/09/22 14:36	4000
Carbon disulfide	ND		4000	760	ug/L			12/09/22 14:36	4000
Carbon tetrachloride	ND		4000	1100	ug/L			12/09/22 14:36	4000
Chlorobenzene	130000		4000	3000	ug/L			12/09/22 14:36	4000
Chloroethane	ND		4000	1300	ug/L			12/09/22 14:36	4000
Chloroform	ND		4000	1400	ug/L			12/09/22 14:36	4000
Chloromethane	ND		4000	1400	ug/L			12/09/22 14:36	4000
cis-1,2-Dichloroethene	ND		4000	3200	ug/L			12/09/22 14:36	4000
cis-1,3-Dichloropropene	ND		4000	1400	ug/L			12/09/22 14:36	4000
Cyclohexane	ND		4000	720	ug/L			12/09/22 14:36	4000
Dibromochloromethane	ND		4000	1300	ug/L			12/09/22 14:36	4000
Dichlorodifluoromethane	ND		4000	2700	ug/L			12/09/22 14:36	4000
Ethylbenzene	ND		4000	3000	ug/L			12/09/22 14:36	4000
Isopropylbenzene	ND		4000	3200	ug/L			12/09/22 14:36	4000
Methyl acetate	ND		10000	5200	ug/L			12/09/22 14:36	4000
Methyl tert-butyl ether	ND		4000	640	ug/L			12/09/22 14:36	4000
Methylcyclohexane	ND		4000	640	ug/L			12/09/22 14:36	4000
Methylene Chloride	ND		4000	1800	ug/L			12/09/22 14:36	4000
Styrene	ND		4000	2900	ug/L			12/09/22 14:36	4000
Tetrachloroethene	ND		4000	1400	ug/L			12/09/22 14:36	4000
Toluene	ND		4000	2000	ug/L			12/09/22 14:36	4000
trans-1,2-Dichloroethene	ND		4000	3600	ug/L			12/09/22 14:36	4000
trans-1,3-Dichloropropene	ND		4000	1500	ug/L			12/09/22 14:36	4000
Trichloroethene	ND		4000	1800	ug/L			12/09/22 14:36	4000
Trichlorofluoromethane	ND		4000	3500	ug/L			12/09/22 14:36	4000
Vinyl chloride	ND		4000	3600	ug/L			12/09/22 14:36	4000
Xylenes, Total	ND		8000	2600	ug/L			12/09/22 14:36	4000

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/09/22 14:36	4000
4-Bromofluorobenzene (Surr)	99		73 - 120		12/09/22 14:36	4000
Toluene-d8 (Surr)	102		80 - 120		12/09/22 14:36	4000
Dibromofluoromethane (Surr)	101		75 - 123		12/09/22 14:36	4000

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,4-Dichlorophenol	ND		100	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,4-Dimethylphenol	ND		100	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,4-Dinitrophenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		12/08/22 08:19	12/10/22 01:48	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Chloronaphthalene	ND		100	9.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Chlorophenol	190		100	11	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Methylnaphthalene	ND		100	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Methylphenol	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Nitroaniline	ND		200	8.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
2-Nitrophenol	ND		100	9.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
3-Nitroaniline	ND		200	9.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Chloroaniline	ND		100	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Methylphenol	ND		200	7.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Nitroaniline	ND		200	5.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
4-Nitrophenol	ND		200	30	ug/L		12/08/22 08:19	12/10/22 01:48	20
Acenaphthene	ND		100	8.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Acenaphthylene	ND		100	7.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
Acetophenone	ND		100	11	ug/L		12/08/22 08:19	12/10/22 01:48	20
Aniline	ND		200	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
Anthracene	ND		100	5.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
Atrazine	ND		100	9.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzaldehyde	ND		100	5.3	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzo(a)anthracene	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzo(a)pyrene	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
Benzo(k)fluoranthene	ND		100	15	ug/L		12/08/22 08:19	12/10/22 01:48	20
Biphenyl	ND		100	13	ug/L		12/08/22 08:19	12/10/22 01:48	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		12/08/22 08:19	12/10/22 01:48	20
Butyl benzyl phthalate	ND		100	20	ug/L		12/08/22 08:19	12/10/22 01:48	20
Caprolactam	ND		100	44	ug/L		12/08/22 08:19	12/10/22 01:48	20
Carbazole	ND		100	6.0	ug/L		12/08/22 08:19	12/10/22 01:48	20

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
Dibenzofuran	ND		200	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
Diethyl phthalate	ND		100	4.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
Dimethyl phthalate	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
Fluoranthene	ND		100	8.0	ug/L		12/08/22 08:19	12/10/22 01:48	20
Fluorene	ND		100	7.2	ug/L		12/08/22 08:19	12/10/22 01:48	20
Hexachlorobenzene	ND		100	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
Hexachlorobutadiene	ND		100	14	ug/L		12/08/22 08:19	12/10/22 01:48	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
Hexachloroethane	ND		100	12	ug/L		12/08/22 08:19	12/10/22 01:48	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		12/08/22 08:19	12/10/22 01:48	20
Isophorone	ND		100	8.6	ug/L		12/08/22 08:19	12/10/22 01:48	20
Naphthalene	ND		100	15	ug/L		12/08/22 08:19	12/10/22 01:48	20
Nitrobenzene	ND		100	5.8	ug/L		12/08/22 08:19	12/10/22 01:48	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		12/08/22 08:19	12/10/22 01:48	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		12/08/22 08:19	12/10/22 01:48	20
Pentachlorophenol	ND		200	44	ug/L		12/08/22 08:19	12/10/22 01:48	20
Phenanthrene	ND		100	8.8	ug/L		12/08/22 08:19	12/10/22 01:48	20
Phenol	ND		100	7.8	ug/L		12/08/22 08:19	12/10/22 01:48	20
Pyrene	ND		100	6.8	ug/L		12/08/22 08:19	12/10/22 01:48	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		41 - 120	12/08/22 08:19	12/10/22 01:48	20
2-Fluorobiphenyl	61		48 - 120	12/08/22 08:19	12/10/22 01:48	20
2-Fluorophenol	40		35 - 120	12/08/22 08:19	12/10/22 01:48	20
Nitrobenzene-d5	65		46 - 120	12/08/22 08:19	12/10/22 01:48	20
Phenol-d5	32		22 - 120	12/08/22 08:19	12/10/22 01:48	20
p-Terphenyl-d14	70		60 - 148	12/08/22 08:19	12/10/22 01:48	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.082	J	0.20	0.060	mg/L		12/08/22 09:10	12/09/22 13:35	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 13:35	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 13:35	1
Barium	0.037		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 13:35	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 13:35	1
Cadmium	ND		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 13:35	1
Calcium	275		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:35	1
Chromium	0.0011	J	0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 13:35	1
Cobalt	0.0019	J	0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 13:35	1
Copper	0.0027	J	0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 13:35	1
Iron	2.5	B	0.050	0.019	mg/L		12/08/22 09:10	12/09/22 13:35	1
Lead	ND		0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 13:35	1
Magnesium	86.1		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 13:35	1
Manganese	0.65	B	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 13:35	1
Nickel	0.0063	J	0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 13:35	1
Potassium	3.3		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:35	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		12/08/22 09:10	12/09/22 13:35	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 13:35	1
Sodium	117		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 13:35	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 13:35	1
Vanadium	ND		0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 13:35	1
Zinc	0.0027	J	0.010	0.0015	mg/L		12/08/22 09:10	12/09/22 13:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/09/22 11:47	12/09/22 17:12	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Date Collected: 12/06/22 10:15

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/22 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/22 14:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/22 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/22 14:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/22 14:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/22 14:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/22 14:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/22 14:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/22 14:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/22 14:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/22 14:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/22 14:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/22 14:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/22 14:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/22 14:59	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/22 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/22 14:59	1
Acetone	ND		10	3.0	ug/L			12/09/22 14:59	1
Benzene	ND		1.0	0.41	ug/L			12/09/22 14:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/22 14:59	1
Bromoform	ND		1.0	0.26	ug/L			12/09/22 14:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/22 14:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/22 14:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/22 14:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/22 14:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/22 14:59	1
Chloroform	ND		1.0	0.34	ug/L			12/09/22 14:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/22 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/22 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/22 14:59	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/22 14:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/22 14:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/22 14:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/22 14:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/22 14:59	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/22 14:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/22 14:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/22 14:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/22 14:59	1
Styrene	ND		1.0	0.73	ug/L			12/09/22 14:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/22 14:59	1
Toluene	ND		1.0	0.51	ug/L			12/09/22 14:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/22 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/22 14:59	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/22 14:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/22 14:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/22 14:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/22 14:59	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Date Collected: 12/06/22 10:15

Matrix: Ground Water

Date Received: 12/06/22 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/09/22 14:59	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/09/22 14:59	1
Toluene-d8 (Surr)	100		80 - 120		12/09/22 14:59	1
Dibromofluoromethane (Surr)	96		75 - 123		12/09/22 14:59	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	F1 F2	5.0	0.48	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,4,6-Trichlorophenol	ND	F1 F2	5.0	0.61	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,4-Dichlorophenol	ND	F2	5.0	0.51	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,4-Dinitrophenol	ND	F2	10	2.2	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 21:14	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Chlorophenol	ND	F2	5.0	0.53	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Nitroaniline	ND		10	0.42	ug/L		12/08/22 08:19	12/09/22 21:14	1
2-Nitrophenol	ND	F2	5.0	0.48	ug/L		12/08/22 08:19	12/09/22 21:14	1
3,3'-Dichlorobenzidine	ND	F2	5.0	0.40	ug/L		12/08/22 08:19	12/09/22 21:14	1
3-Nitroaniline	ND		10	0.48	ug/L		12/08/22 08:19	12/09/22 21:14	1
4,6-Dinitro-2-methylphenol	ND	F2	10	2.2	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Chloroaniline	ND	F2	5.0	0.59	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Methylphenol	ND		10	0.36	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Nitroaniline	ND		10	0.25	ug/L		12/08/22 08:19	12/09/22 21:14	1
4-Nitrophenol	ND	F2	10	1.5	ug/L		12/08/22 08:19	12/09/22 21:14	1
Acenaphthene	ND		5.0	0.41	ug/L		12/08/22 08:19	12/09/22 21:14	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/08/22 08:19	12/09/22 21:14	1
Acetophenone	ND		5.0	0.54	ug/L		12/08/22 08:19	12/09/22 21:14	1
Aniline	ND		10	0.61	ug/L		12/08/22 08:19	12/09/22 21:14	1
Anthracene	ND		5.0	0.28	ug/L		12/08/22 08:19	12/09/22 21:14	1
Atrazine	ND		5.0	0.46	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 21:14	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		12/08/22 08:19	12/09/22 21:14	1
Biphenyl	ND		5.0	0.65	ug/L		12/08/22 08:19	12/09/22 21:14	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/08/22 08:19	12/09/22 21:14	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 21:14	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 21:14	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/08/22 08:19	12/09/22 21:14	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/08/22 08:19	12/09/22 21:14	1
Caprolactam	ND		5.0	2.2	ug/L		12/08/22 08:19	12/09/22 21:14	1
Carbazole	ND		5.0	0.30	ug/L		12/08/22 08:19	12/09/22 21:14	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Date Collected: 12/06/22 10:15

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		12/08/22 08:19	12/09/22 21:14	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/08/22 08:19	12/09/22 21:14	1
Dibenzofuran	ND		10	0.51	ug/L		12/08/22 08:19	12/09/22 21:14	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/08/22 08:19	12/09/22 21:14	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 21:14	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/08/22 08:19	12/09/22 21:14	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 21:14	1
Fluoranthene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 21:14	1
Fluorene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 21:14	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/08/22 08:19	12/09/22 21:14	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/08/22 08:19	12/09/22 21:14	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/08/22 08:19	12/09/22 21:14	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/08/22 08:19	12/09/22 21:14	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 21:14	1
Isophorone	ND		5.0	0.43	ug/L		12/08/22 08:19	12/09/22 21:14	1
Naphthalene	ND		5.0	0.76	ug/L		12/08/22 08:19	12/09/22 21:14	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/08/22 08:19	12/09/22 21:14	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/08/22 08:19	12/09/22 21:14	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/08/22 08:19	12/09/22 21:14	1
Pentachlorophenol	ND	F2	10	2.2	ug/L		12/08/22 08:19	12/09/22 21:14	1
Phenanthrene	ND		5.0	0.44	ug/L		12/08/22 08:19	12/09/22 21:14	1
Phenol	ND		5.0	0.39	ug/L		12/08/22 08:19	12/09/22 21:14	1
Pyrene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/09/22 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		41 - 120	12/08/22 08:19	12/09/22 21:14	1
2-Fluorobiphenyl	98		48 - 120	12/08/22 08:19	12/09/22 21:14	1
2-Fluorophenol	61		35 - 120	12/08/22 08:19	12/09/22 21:14	1
Nitrobenzene-d5	85		46 - 120	12/08/22 08:19	12/09/22 21:14	1
Phenol-d5	47		22 - 120	12/08/22 08:19	12/09/22 21:14	1
p-Terphenyl-d14	80		60 - 148	12/08/22 08:19	12/09/22 21:14	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.13	J	0.20	0.060	mg/L		12/08/22 09:10	12/09/22 13:39	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 13:39	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 13:39	1
Barium	0.053		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 13:39	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 13:39	1
Cadmium	ND		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 13:39	1
Calcium	104		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:39	1
Chromium	0.0093		0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 13:39	1
Cobalt	ND		0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 13:39	1
Copper	0.0055	J	0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 13:39	1
Iron	0.19	B	0.050	0.019	mg/L		12/08/22 09:10	12/09/22 13:39	1
Lead	ND		0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 13:39	1
Magnesium	15.0		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 13:39	1
Manganese	0.022	B	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 13:39	1
Nickel	0.011		0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 13:39	1
Potassium	1.2		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 13:39	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Date Collected: 12/06/22 10:15

Matrix: Ground Water

Date Received: 12/06/22 17:30

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		12/08/22 09:10	12/09/22 13:39	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 13:39	1
Sodium	85.6		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 13:39	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 13:39	1
Vanadium	0.0022	J	0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 13:39	1
Zinc	0.0041	J	0.010	0.0015	mg/L		12/08/22 09:10	12/09/22 13:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/09/22 11:47	12/09/22 17:13	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-204471-6

Date Collected: 12/06/22 00:00

Matrix: Water

Date Received: 12/06/22 17:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/22 23:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/22 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/22 23:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/22 23:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/22 23:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/22 23:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/22 23:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/22 23:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/22 23:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/22 23:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/22 23:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/22 23:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/22 23:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/22 23:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/22 23:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/22 23:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/22 23:25	1
Acetone	ND		10	3.0	ug/L			12/09/22 23:25	1
Benzene	ND		1.0	0.41	ug/L			12/09/22 23:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/22 23:25	1
Bromoform	ND		1.0	0.26	ug/L			12/09/22 23:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/22 23:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/22 23:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/22 23:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/22 23:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/22 23:25	1
Chloroform	ND		1.0	0.34	ug/L			12/09/22 23:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/22 23:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/22 23:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/22 23:25	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/22 23:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/22 23:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/22 23:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/22 23:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/22 23:25	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/22 23:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/22 23:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/22 23:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/22 23:25	1
Styrene	ND		1.0	0.73	ug/L			12/09/22 23:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/22 23:25	1
Toluene	ND		1.0	0.51	ug/L			12/09/22 23:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/22 23:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/22 23:25	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/22 23:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/22 23:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/22 23:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/22 23:25	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-204471-6

Date Collected: 12/06/22 00:00

Matrix: Water

Date Received: 12/06/22 17:30

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/09/22 23:25	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/09/22 23:25	1
Toluene-d8 (Surr)	100		80 - 120		12/09/22 23:25	1
Dibromofluoromethane (Surr)	100		75 - 123		12/09/22 23:25	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-204471-1	BCC Area E RFI-33 D_1222	105	103	99	100
480-204471-2	BCC Area E MW-E05_1222	103	101	99	106
480-204471-3	BCC Area E RFI-29_1222	103	98	100	98
480-204471-4	BCC Area E RFI-32A_1222	101	99	102	101
480-204471-5	BCC Area E RFI-33_1222	103	101	100	96
480-204471-5 MS	BCC Area E RFI-33 MS_1222	102	102	100	100
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	102	100	100	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-204471-6	TRIP BLANK	98	99	100	100
LCS 480-652764/5	Lab Control Sample	104	102	101	98
LCS 480-652850/6	Lab Control Sample	106	97	100	101
LCS 480-652995/5	Lab Control Sample	99	100	101	100
LCSD 480-652850/7	Lab Control Sample Dup	105	96	100	100
MB 480-652764/7	Method Blank	99	100	98	99
MB 480-652850/9	Method Blank	100	98	102	105
MB 480-652995/7	Method Blank	101	101	97	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-204471-1	BCC Area E RFI-33 D_1222	91	85	55	72	0 S1-	82
480-204471-2	BCC Area E MW-E05_1222	97	109	66	97	50	86
480-204471-3	BCC Area E RFI-29_1222	92	82	53	74	42	82
480-204471-4	BCC Area E RFI-32A_1222	69	61	40	65	32	70
480-204471-5	BCC Area E RFI-33_1222	92	98	61	85	47	80
480-204471-5 MS	BCC Area E RFI-33 MS_1222	93	96	71	88	55	74
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	54	100	39	87	44	78

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
LCS 480-652606/2-A	Lab Control Sample	105	99	70	94	57	96
MB 480-652606/1-A	Method Blank	87	97	63	86	49	96

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-652764/7
Matrix: Water
Analysis Batch: 652764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/22 10:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/22 10:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/22 10:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/22 10:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/22 10:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/22 10:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/22 10:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/22 10:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/22 10:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/22 10:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/22 10:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/22 10:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/22 10:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/22 10:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/22 10:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/22 10:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/22 10:04	1
Acetone	ND		10	3.0	ug/L			12/09/22 10:04	1
Benzene	ND		1.0	0.41	ug/L			12/09/22 10:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/22 10:04	1
Bromoform	ND		1.0	0.26	ug/L			12/09/22 10:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/22 10:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/22 10:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/22 10:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/22 10:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/22 10:04	1
Chloroform	ND		1.0	0.34	ug/L			12/09/22 10:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/22 10:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/22 10:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/22 10:04	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/22 10:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/22 10:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/22 10:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/22 10:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/22 10:04	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/22 10:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/22 10:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/22 10:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/22 10:04	1
Styrene	ND		1.0	0.73	ug/L			12/09/22 10:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/22 10:04	1
Toluene	ND		1.0	0.51	ug/L			12/09/22 10:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/22 10:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/22 10:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/22 10:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/22 10:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/22 10:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/22 10:04	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: MB 480-652764/7
Matrix: Water
Analysis Batch: 652764

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/09/22 10:04	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/09/22 10:04	1
Toluene-d8 (Surr)	98		80 - 120		12/09/22 10:04	1
Dibromofluoromethane (Surr)	99		75 - 123		12/09/22 10:04	1

Lab Sample ID: LCS 480-652764/5
Matrix: Water
Analysis Batch: 652764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.0		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.7		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	114		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Acetone	125	108		ug/L		86	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		103	80 - 122
Bromoform	25.0	28.3		ug/L		113	61 - 132
Bromomethane	25.0	26.8		ug/L		107	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134
Chlorobenzene	25.0	23.1		ug/L		92	80 - 120
Chloroethane	25.0	25.2		ug/L		101	69 - 136
Chloroform	25.0	25.9		ug/L		104	73 - 127
Chloromethane	25.0	25.2		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	23.5		ug/L		94	59 - 135
Dibromochloromethane	25.0	27.8		ug/L		111	75 - 125
Dichlorodifluoromethane	25.0	25.8		ug/L		103	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	45.8		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652764/5

Matrix: Water

Analysis Batch: 652764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	29.3		ug/L		117	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: 480-204471-5 MS

Matrix: Ground Water

Analysis Batch: 652764

Client Sample ID: BCC Area E RFI-33 MS_1222

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	24.8		ug/L		99	73 - 126
1,1,1,2-Tetrachloroethane	ND		25.0	25.7		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.9		ug/L		99	61 - 148
1,1,2-Trichloroethane	ND		25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	ND		25.0	25.4		ug/L		101	77 - 120
1,1-Dichloroethene	ND		25.0	23.9		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.3		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	28.0		ug/L		112	56 - 134
1,2-Dibromoethane	ND		25.0	23.6		ug/L		95	77 - 120
1,2-Dichlorobenzene	ND		25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	ND		25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	ND		25.0	25.4		ug/L		101	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.4		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		101	78 - 124
2-Butanone (MEK)	ND		125	136		ug/L		109	57 - 140
2-Hexanone	ND		125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		107	71 - 125
Acetone	ND		125	148		ug/L		118	56 - 142
Benzene	ND		25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	ND		25.0	25.3		ug/L		101	80 - 122
Bromoform	ND		25.0	24.2		ug/L		97	61 - 132
Bromomethane	ND		25.0	27.8		ug/L		111	55 - 144
Carbon disulfide	ND		25.0	23.3		ug/L		93	59 - 134
Carbon tetrachloride	ND		25.0	28.9		ug/L		116	72 - 134
Chlorobenzene	ND		25.0	23.8		ug/L		95	80 - 120
Chloroethane	ND		25.0	29.2		ug/L		117	69 - 136

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: 480-204471-5 MS

Client Sample ID: BCC Area E RFI-33 MS_1222

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 652764

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Chloroform	ND		25.0	26.5		ug/L		106	73 - 127
Chloromethane	ND		25.0	29.4		ug/L		118	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.6		ug/L		94	74 - 124
Cyclohexane	ND		25.0	22.6		ug/L		90	59 - 135
Dibromochloromethane	ND		25.0	28.1		ug/L		112	75 - 125
Dichlorodifluoromethane	ND		25.0	23.2		ug/L		93	59 - 135
Ethylbenzene	ND		25.0	25.8		ug/L		103	77 - 123
Isopropylbenzene	ND		25.0	26.5		ug/L		106	77 - 122
Methyl acetate	ND		50.0	48.1		ug/L		96	74 - 133
Methyl tert-butyl ether	ND		25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	ND		25.0	22.9		ug/L		92	68 - 134
Methylene Chloride	ND		25.0	26.8		ug/L		107	75 - 124
Styrene	ND		25.0	24.5		ug/L		98	80 - 120
Tetrachloroethene	ND		25.0	25.2		ug/L		101	74 - 122
Toluene	ND		25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.8		ug/L		95	80 - 120
Trichloroethene	ND		25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	ND		25.0	29.0		ug/L		116	62 - 150
Vinyl chloride	ND		25.0	29.2		ug/L		117	65 - 133
Xylenes, Total	ND		50.0	52.0		ug/L		104	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-204471-5 MSD

Client Sample ID: BCC Area E RFI-33 MSD_1222

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 652764

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	25.4		ug/L		101	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	76 - 120	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.1		ug/L		105	61 - 148	5	20
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122	2	15
1,1-Dichloroethane	ND		25.0	26.3		ug/L		105	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	25.6		ug/L		103	66 - 127	7	16
1,2,4-Trichlorobenzene	ND		25.0	23.7		ug/L		95	79 - 122	6	20
1,2-Dibromo-3-Chloropropane	ND		25.0	29.3		ug/L		117	56 - 134	4	15
1,2-Dibromoethane	ND		25.0	25.3		ug/L		101	77 - 120	7	15
1,2-Dichlorobenzene	ND		25.0	25.5		ug/L		102	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	25.9		ug/L		104	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	25.3		ug/L		101	76 - 120	0	20
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		102	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		102	78 - 124	0	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: 480-204471-5 MSD
Matrix: Ground Water
Analysis Batch: 652764

Client Sample ID: BCC Area E RFI-33 MSD_1222
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		125	137		ug/L		109	57 - 140	1	20
2-Hexanone	ND		125	136		ug/L		109	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125	2	35
Acetone	ND		125	157		ug/L		126	56 - 142	6	15
Benzene	ND		25.0	25.4		ug/L		102	71 - 124	4	13
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122	2	15
Bromoform	ND		25.0	28.1		ug/L		112	61 - 132	15	15
Bromomethane	ND		25.0	27.0		ug/L		108	55 - 144	3	15
Carbon disulfide	ND		25.0	24.7		ug/L		99	59 - 134	6	15
Carbon tetrachloride	ND		25.0	29.8		ug/L		119	72 - 134	3	15
Chlorobenzene	ND		25.0	25.3		ug/L		101	80 - 120	6	25
Chloroethane	ND		25.0	27.1		ug/L		108	69 - 136	8	15
Chloroform	ND		25.0	27.2		ug/L		109	73 - 127	3	20
Chloromethane	ND		25.0	27.3		ug/L		109	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	74 - 124	6	15
Cyclohexane	ND		25.0	24.1		ug/L		97	59 - 135	7	20
Dibromochloromethane	ND		25.0	28.3		ug/L		113	75 - 125	1	15
Dichlorodifluoromethane	ND		25.0	22.4		ug/L		90	59 - 135	4	20
Ethylbenzene	ND		25.0	26.0		ug/L		104	77 - 123	1	15
Isopropylbenzene	ND		25.0	26.8		ug/L		107	77 - 122	1	20
Methyl acetate	ND		50.0	48.8		ug/L		98	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	26.1		ug/L		104	77 - 120	2	37
Methylcyclohexane	ND		25.0	23.7		ug/L		95	68 - 134	3	20
Methylene Chloride	ND		25.0	27.0		ug/L		108	75 - 124	1	15
Styrene	ND		25.0	25.4		ug/L		102	80 - 120	4	20
Tetrachloroethene	ND		25.0	26.2		ug/L		105	74 - 122	4	20
Toluene	ND		25.0	26.4		ug/L		106	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	73 - 127	1	20
trans-1,3-Dichloropropene	ND		25.0	24.5		ug/L		98	80 - 120	3	15
Trichloroethene	ND		25.0	25.7		ug/L		103	74 - 123	4	16
Trichlorofluoromethane	ND		25.0	28.2		ug/L		113	62 - 150	3	20
Vinyl chloride	ND		25.0	26.4		ug/L		106	65 - 133	10	15
Xylenes, Total	ND		50.0	52.4		ug/L		105	76 - 122	1	16

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: MB 480-652850/9
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/22 22:39	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/22 22:39	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: MB 480-652850/9

Matrix: Water

Analysis Batch: 652850

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/22 22:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/22 22:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/22 22:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/22 22:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/22 22:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/22 22:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/22 22:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/22 22:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/22 22:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/22 22:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/22 22:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/22 22:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/22 22:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/22 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/22 22:39	1
Acetone	ND		10	3.0	ug/L			12/09/22 22:39	1
Benzene	ND		1.0	0.41	ug/L			12/09/22 22:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/22 22:39	1
Bromoform	ND		1.0	0.26	ug/L			12/09/22 22:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/22 22:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/22 22:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/22 22:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/22 22:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/22 22:39	1
Chloroform	ND		1.0	0.34	ug/L			12/09/22 22:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/22 22:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/22 22:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/22 22:39	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/22 22:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/22 22:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/22 22:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/22 22:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/22 22:39	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/22 22:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/22 22:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/22 22:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/22 22:39	1
Styrene	ND		1.0	0.73	ug/L			12/09/22 22:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/22 22:39	1
Toluene	ND		1.0	0.51	ug/L			12/09/22 22:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/22 22:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/22 22:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/22 22:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/22 22:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/22 22:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/22 22:39	1

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: MB 480-652850/9
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/22 22:39	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/09/22 22:39	1
Toluene-d8 (Surr)	102		80 - 120		12/09/22 22:39	1
Dibromofluoromethane (Surr)	105		75 - 123		12/09/22 22:39	1

Lab Sample ID: LCS 480-652850/6
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.8		ug/L		103	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	23.4		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.2		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.7		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	23.3		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	171		ug/L		137	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	24.3		ug/L		97	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	28.7		ug/L		115	72 - 134
Chlorobenzene	25.0	22.4		ug/L		90	80 - 120
Chloroethane	25.0	24.9		ug/L		99	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		99	74 - 124
Cyclohexane	25.0	23.1		ug/L		92	59 - 135
Dibromochloromethane	25.0	26.9		ug/L		107	75 - 125
Dichlorodifluoromethane	25.0	23.3		ug/L		93	59 - 135
Ethylbenzene	25.0	23.1		ug/L		93	77 - 123
Isopropylbenzene	25.0	23.8		ug/L		95	77 - 122
Methyl acetate	50.0	49.1		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	23.7		ug/L		95	68 - 134

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652850/6
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
Styrene	25.0	22.9		ug/L		92	80 - 120
Tetrachloroethene	25.0	22.6		ug/L		90	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120
Trichloroethene	25.0	23.4		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	26.7		ug/L		107	62 - 150
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133
Xylenes, Total	50.0	46.3		ug/L		93	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: LCSD 480-652850/7
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.3		ug/L		97	73 - 126	5	15
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.2		ug/L		105	61 - 148	1	20
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122	1	15
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120	2	20
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127	8	16
1,2,4-Trichlorobenzene	25.0	21.7		ug/L		87	79 - 122	5	20
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		108	56 - 134	1	15
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120	1	15
1,2-Dichlorobenzene	25.0	23.9		ug/L		95	80 - 124	2	20
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120	4	20
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120	5	20
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120	2	20
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 120	2	20
2-Butanone (MEK)	125	148		ug/L		118	57 - 140	5	20
2-Hexanone	125	137		ug/L		109	65 - 127	8	15
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125	5	35
Acetone	125	175		ug/L		140	56 - 142	2	15
Benzene	25.0	24.5		ug/L		98	71 - 124	4	13
Bromodichloromethane	25.0	27.5		ug/L		110	80 - 122	8	15
Bromoform	25.0	29.5		ug/L		118	61 - 132	12	15
Bromomethane	25.0	25.3		ug/L		101	55 - 144	4	15
Carbon disulfide	25.0	23.6		ug/L		95	59 - 134	7	15
Carbon tetrachloride	25.0	29.8		ug/L		119	72 - 134	3	15
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120	7	25
Chloroethane	25.0	25.2		ug/L		101	69 - 136	2	15

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCSD 480-652850/7
Matrix: Water
Analysis Batch: 652850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	25.0	25.6		ug/L		102	73 - 127	6	20
Chloromethane	25.0	24.6		ug/L		99	68 - 124	2	15
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	74 - 124	0	15
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124	4	15
Cyclohexane	25.0	24.0		ug/L		96	59 - 135	4	20
Dibromochloromethane	25.0	29.8		ug/L		119	75 - 125	10	15
Dichlorodifluoromethane	25.0	24.1		ug/L		97	59 - 135	4	20
Ethylbenzene	25.0	24.9		ug/L		100	77 - 123	7	15
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122	3	20
Methyl acetate	50.0	52.2		ug/L		104	74 - 133	6	20
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120	2	37
Methylcyclohexane	25.0	25.0		ug/L		100	68 - 134	5	20
Methylene Chloride	25.0	26.6		ug/L		106	75 - 124	5	15
Styrene	25.0	24.3		ug/L		97	80 - 120	6	20
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122	7	20
Toluene	25.0	25.2		ug/L		101	80 - 122	8	15
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127	3	20
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	80 - 120	9	15
Trichloroethene	25.0	24.3		ug/L		97	74 - 123	4	16
Trichlorofluoromethane	25.0	27.5		ug/L		110	62 - 150	3	20
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133	3	15
Xylenes, Total	50.0	48.7		ug/L		97	76 - 122	5	16

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-652995/7
Matrix: Water
Analysis Batch: 652995

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/22 10:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/22 10:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/22 10:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/22 10:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/22 10:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/22 10:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/22 10:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/22 10:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/22 10:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/22 10:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/22 10:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/22 10:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/22 10:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/22 10:06	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: MB 480-652995/7
Matrix: Water
Analysis Batch: 652995

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/22 10:06	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/22 10:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/22 10:06	1
Acetone	ND		10	3.0	ug/L			12/12/22 10:06	1
Benzene	ND		1.0	0.41	ug/L			12/12/22 10:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/22 10:06	1
Bromoform	ND		1.0	0.26	ug/L			12/12/22 10:06	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/22 10:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/22 10:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/22 10:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/22 10:06	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/22 10:06	1
Chloroform	ND		1.0	0.34	ug/L			12/12/22 10:06	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/22 10:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/22 10:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/22 10:06	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/22 10:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/22 10:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/22 10:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/22 10:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/22 10:06	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/22 10:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/22 10:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/22 10:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/22 10:06	1
Styrene	ND		1.0	0.73	ug/L			12/12/22 10:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/22 10:06	1
Toluene	ND		1.0	0.51	ug/L			12/12/22 10:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/22 10:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/22 10:06	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/22 10:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/22 10:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/22 10:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/22 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/12/22 10:06	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/12/22 10:06	1
Toluene-d8 (Surr)	97		80 - 120		12/12/22 10:06	1
Dibromofluoromethane (Surr)	94		75 - 123		12/12/22 10:06	1

Lab Sample ID: LCS 480-652995/5
Matrix: Water
Analysis Batch: 652995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	22.8		ug/L		91	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.4		ug/L		94	76 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652995/5

Matrix: Water

Analysis Batch: 652995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.9		ug/L		104	61 - 148
1,1,2-Trichloroethane	25.0	21.6		ug/L		86	76 - 122
1,1-Dichloroethane	25.0	23.3		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		81	56 - 134
1,2-Dibromoethane	25.0	22.3		ug/L		89	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	111		ug/L		89	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	27.0		ug/L		108	61 - 132
Bromomethane	25.0	28.7		ug/L		115	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134
Chlorobenzene	25.0	22.5		ug/L		90	80 - 120
Chloroethane	25.0	27.1		ug/L		108	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	22.9		ug/L		92	74 - 124
Cyclohexane	25.0	22.9		ug/L		92	59 - 135
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	25.3		ug/L		101	59 - 135
Ethylbenzene	25.0	23.9		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.1		ug/L		92	77 - 122
Methyl acetate	50.0	45.0		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	24.1		ug/L		96	68 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	23.1		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	29.3		ug/L		117	62 - 150
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133
Xylenes, Total	50.0	47.0		ug/L		94	76 - 122

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652995/5
Matrix: Water
Analysis Batch: 652995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

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

Lab Sample ID: MB 480-652606/1-A
Matrix: Water
Analysis Batch: 652803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652606

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 19:24	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Nitroaniline	ND		10	0.42	ug/L		12/08/22 08:19	12/09/22 19:24	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/08/22 08:19	12/09/22 19:24	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 19:24	1
3-Nitroaniline	ND		10	0.48	ug/L		12/08/22 08:19	12/09/22 19:24	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Chloroaniline	ND		5.0	0.59	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Methylphenol	ND		10	0.36	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Nitroaniline	ND		10	0.25	ug/L		12/08/22 08:19	12/09/22 19:24	1
4-Nitrophenol	ND		10	1.5	ug/L		12/08/22 08:19	12/09/22 19:24	1
Acenaphthene	ND		5.0	0.41	ug/L		12/08/22 08:19	12/09/22 19:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/08/22 08:19	12/09/22 19:24	1
Acetophenone	ND		5.0	0.54	ug/L		12/08/22 08:19	12/09/22 19:24	1
Aniline	ND		10	0.61	ug/L		12/08/22 08:19	12/09/22 19:24	1
Anthracene	ND		5.0	0.28	ug/L		12/08/22 08:19	12/09/22 19:24	1
Atrazine	ND		5.0	0.46	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 19:24	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		12/08/22 08:19	12/09/22 19:24	1
Biphenyl	ND		5.0	0.65	ug/L		12/08/22 08:19	12/09/22 19:24	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/08/22 08:19	12/09/22 19:24	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: MB 480-652606/1-A
Matrix: Water
Analysis Batch: 652803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/08/22 08:19	12/09/22 19:24	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 19:24	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/08/22 08:19	12/09/22 19:24	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		12/08/22 08:19	12/09/22 19:24	1
Caprolactam	ND		5.0	2.2	ug/L		12/08/22 08:19	12/09/22 19:24	1
Carbazole	ND		5.0	0.30	ug/L		12/08/22 08:19	12/09/22 19:24	1
Chrysene	ND		5.0	0.33	ug/L		12/08/22 08:19	12/09/22 19:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/08/22 08:19	12/09/22 19:24	1
Dibenzofuran	ND		10	0.51	ug/L		12/08/22 08:19	12/09/22 19:24	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/08/22 08:19	12/09/22 19:24	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 19:24	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/08/22 08:19	12/09/22 19:24	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 19:24	1
Fluoranthene	ND		5.0	0.40	ug/L		12/08/22 08:19	12/09/22 19:24	1
Fluorene	ND		5.0	0.36	ug/L		12/08/22 08:19	12/09/22 19:24	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/08/22 08:19	12/09/22 19:24	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/08/22 08:19	12/09/22 19:24	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/08/22 08:19	12/09/22 19:24	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/08/22 08:19	12/09/22 19:24	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		12/08/22 08:19	12/09/22 19:24	1
Isophorone	ND		5.0	0.43	ug/L		12/08/22 08:19	12/09/22 19:24	1
Naphthalene	ND		5.0	0.76	ug/L		12/08/22 08:19	12/09/22 19:24	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/08/22 08:19	12/09/22 19:24	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/08/22 08:19	12/09/22 19:24	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/08/22 08:19	12/09/22 19:24	1
Pentachlorophenol	ND		10	2.2	ug/L		12/08/22 08:19	12/09/22 19:24	1
Phenanthrene	ND		5.0	0.44	ug/L		12/08/22 08:19	12/09/22 19:24	1
Phenol	ND		5.0	0.39	ug/L		12/08/22 08:19	12/09/22 19:24	1
Pyrene	ND		5.0	0.34	ug/L		12/08/22 08:19	12/09/22 19:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		41 - 120	12/08/22 08:19	12/09/22 19:24	1
2-Fluorobiphenyl	97		48 - 120	12/08/22 08:19	12/09/22 19:24	1
2-Fluorophenol	63		35 - 120	12/08/22 08:19	12/09/22 19:24	1
Nitrobenzene-d5	86		46 - 120	12/08/22 08:19	12/09/22 19:24	1
Phenol-d5	49		22 - 120	12/08/22 08:19	12/09/22 19:24	1
p-Terphenyl-d14	96		60 - 148	12/08/22 08:19	12/09/22 19:24	1

Lab Sample ID: LCS 480-652606/2-A
Matrix: Water
Analysis Batch: 652803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	32.7		ug/L		102	65 - 126
2,4,6-Trichlorophenol	32.0	32.6		ug/L		102	64 - 120
2,4-Dichlorophenol	32.0	30.8		ug/L		96	63 - 120
2,4-Dimethylphenol	32.0	30.0		ug/L		94	47 - 120
2,4-Dinitrophenol	64.0	70.9		ug/L		111	31 - 137

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652606/2-A
Matrix: Water
Analysis Batch: 652803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	32.0	33.2		ug/L		104	69 - 120
2,6-Dinitrotoluene	32.0	32.2		ug/L		101	68 - 120
2-Chloronaphthalene	32.0	27.4		ug/L		86	58 - 120
2-Chlorophenol	32.0	27.1		ug/L		85	48 - 120
2-Methylnaphthalene	32.0	24.4		ug/L		76	59 - 120
2-Methylphenol	32.0	27.4		ug/L		86	39 - 120
2-Nitroaniline	32.0	31.0		ug/L		97	54 - 127
2-Nitrophenol	32.0	28.1		ug/L		88	52 - 125
3,3'-Dichlorobenzidine	64.0	56.6		ug/L		88	49 - 135
3-Nitroaniline	32.0	24.0		ug/L		75	51 - 120
4,6-Dinitro-2-methylphenol	64.0	77.6		ug/L		121	46 - 136
4-Bromophenyl phenyl ether	32.0	29.6		ug/L		92	65 - 120
4-Chloro-3-methylphenol	32.0	30.2		ug/L		94	61 - 123
4-Chloroaniline	32.0	21.6		ug/L		67	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.4		ug/L		101	62 - 120
4-Methylphenol	32.0	28.2		ug/L		88	29 - 131
4-Nitroaniline	32.0	31.3		ug/L		98	65 - 120
4-Nitrophenol	64.0	59.3		ug/L		93	45 - 120
Acenaphthene	32.0	30.1		ug/L		94	60 - 120
Acenaphthylene	32.0	30.2		ug/L		94	63 - 120
Acetophenone	32.0	28.3		ug/L		88	45 - 120
Aniline	32.0	16.6		ug/L		52	12 - 120
Anthracene	32.0	31.2		ug/L		97	67 - 120
Atrazine	64.0	76.6		ug/L		120	71 - 130
Benzaldehyde	64.0	58.0		ug/L		91	10 - 140
Benzo(a)anthracene	32.0	30.8		ug/L		96	70 - 121
Benzo(a)pyrene	32.0	32.4		ug/L		101	60 - 123
Benzo(b)fluoranthene	32.0	32.3		ug/L		101	66 - 126
Benzo(g,h,i)perylene	32.0	33.9		ug/L		106	66 - 150
Benzo(k)fluoranthene	32.0	31.9		ug/L		100	65 - 124
Biphenyl	32.0	28.9		ug/L		90	59 - 120
bis (2-chloroisopropyl) ether	32.0	26.2		ug/L		82	21 - 136
Bis(2-chloroethoxy)methane	32.0	28.3		ug/L		89	50 - 128
Bis(2-chloroethyl)ether	32.0	27.9		ug/L		87	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.2		ug/L		101	63 - 139
Butyl benzyl phthalate	32.0	31.5		ug/L		98	70 - 129
Caprolactam	64.0	24.7		ug/L		39	22 - 120
Carbazole	32.0	33.2		ug/L		104	66 - 123
Chrysene	32.0	31.7		ug/L		99	69 - 120
Dibenz(a,h)anthracene	32.0	33.8		ug/L		106	65 - 135
Dibenzofuran	32.0	30.7		ug/L		96	66 - 120
Diethyl phthalate	32.0	34.9		ug/L		109	59 - 127
Dimethyl phthalate	32.0	32.9		ug/L		103	68 - 120
Di-n-butyl phthalate	32.0	35.0		ug/L		110	69 - 131
Di-n-octyl phthalate	32.0	32.1		ug/L		100	63 - 140
Fluoranthene	32.0	34.1		ug/L		106	69 - 126
Fluorene	32.0	31.7		ug/L		99	66 - 120
Hexachlorobenzene	32.0	32.0		ug/L		100	61 - 120
Hexachlorobutadiene	32.0	21.5		ug/L		67	35 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: LCS 480-652606/2-A
Matrix: Water
Analysis Batch: 652803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	32.0	17.4		ug/L		54	31 - 120
Hexachloroethane	32.0	19.5		ug/L		61	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	33.3		ug/L		104	69 - 146
Isophorone	32.0	29.9		ug/L		93	55 - 120
Naphthalene	32.0	26.7		ug/L		83	57 - 120
Nitrobenzene	32.0	27.3		ug/L		85	53 - 123
N-Nitrosodi-n-propylamine	32.0	31.0		ug/L		97	32 - 140
N-Nitrosodiphenylamine	32.0	32.5		ug/L		102	61 - 120
Pentachlorophenol	64.0	59.1		ug/L		92	29 - 136
Phenanthrene	32.0	31.0		ug/L		97	68 - 120
Phenol	32.0	18.2		ug/L		57	17 - 120
Pyrene	32.0	30.5		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	105		41 - 120
2-Fluorobiphenyl	99		48 - 120
2-Fluorophenol	70		35 - 120
Nitrobenzene-d5	94		46 - 120
Phenol-d5	57		22 - 120
p-Terphenyl-d14	96		60 - 148

Lab Sample ID: 480-204471-5 MS
Matrix: Ground Water
Analysis Batch: 652803

Client Sample ID: BCC Area E RFI-33 MS_1222
Prep Type: Total/NA
Prep Batch: 652606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND	F1 F2	32.0	31.0		ug/L		97	65 - 126
2,4,6-Trichlorophenol	ND	F1 F2	32.0	30.5		ug/L		95	64 - 120
2,4-Dichlorophenol	ND	F2	32.0	28.8		ug/L		90	48 - 132
2,4-Dimethylphenol	ND		32.0	28.9		ug/L		90	39 - 130
2,4-Dinitrophenol	ND	F2	64.0	70.5		ug/L		110	21 - 150
2,4-Dinitrotoluene	ND		32.0	30.3		ug/L		95	54 - 138
2,6-Dinitrotoluene	ND		32.0	31.0		ug/L		97	17 - 150
2-Chloronaphthalene	ND		32.0	26.7		ug/L		83	52 - 124
2-Chlorophenol	ND	F2	32.0	26.7		ug/L		83	48 - 120
2-Methylnaphthalene	ND		32.0	24.0		ug/L		75	34 - 140
2-Methylphenol	ND		32.0	26.6		ug/L		83	46 - 120
2-Nitroaniline	ND		32.0	30.5		ug/L		95	44 - 136
2-Nitrophenol	ND	F2	32.0	28.1		ug/L		88	38 - 141
3,3'-Dichlorobenzidine	ND	F2	64.0	34.9		ug/L		55	10 - 150
3-Nitroaniline	ND		32.0	22.3		ug/L		70	32 - 150
4,6-Dinitro-2-methylphenol	ND	F2	64.0	68.4		ug/L		107	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	28.0		ug/L		87	63 - 126
4-Chloro-3-methylphenol	ND		32.0	28.8		ug/L		90	64 - 127
4-Chloroaniline	ND	F2	32.0	16.0		ug/L		50	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	29.3		ug/L		92	61 - 120
4-Methylphenol	ND		32.0	25.8		ug/L		81	36 - 120
4-Nitroaniline	ND		32.0	27.7		ug/L		86	32 - 150

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: 480-204471-5 MS

Matrix: Ground Water

Analysis Batch: 652803

Client Sample ID: BCC Area E RFI-33 MS_1222

Prep Type: Total/NA

Prep Batch: 652606

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Nitrophenol	ND	F2	64.0	55.2		ug/L		86	23 - 132
Acenaphthene	ND		32.0	28.4		ug/L		89	48 - 120
Acenaphthylene	ND		32.0	28.7		ug/L		90	63 - 120
Acetophenone	ND		32.0	27.1		ug/L		85	53 - 120
Aniline	ND		32.0	14.5		ug/L		45	32 - 120
Anthracene	ND		32.0	28.8		ug/L		90	65 - 122
Atrazine	ND		64.0	70.9		ug/L		111	50 - 150
Benzaldehyde	ND		64.0	55.0		ug/L		86	10 - 150
Benzo(a)anthracene	ND		32.0	26.8		ug/L		84	43 - 124
Benzo(a)pyrene	ND		32.0	26.5		ug/L		83	23 - 125
Benzo(b)fluoranthene	ND		32.0	28.3		ug/L		88	27 - 127
Benzo(g,h,i)perylene	ND		32.0	28.9		ug/L		90	16 - 147
Benzo(k)fluoranthene	ND		32.0	27.2		ug/L		85	20 - 124
Biphenyl	ND		32.0	27.7		ug/L		86	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	24.0		ug/L		75	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	25.8		ug/L		81	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	28.1		ug/L		88	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	27.4		ug/L		85	16 - 150
Butyl benzyl phthalate	ND		32.0	29.0		ug/L		91	51 - 140
Caprolactam	ND		64.0	22.8		ug/L		36	10 - 120
Carbazole	ND		32.0	31.2		ug/L		97	16 - 148
Chrysene	ND		32.0	27.2		ug/L		85	44 - 122
Dibenz(a,h)anthracene	ND		32.0	28.3		ug/L		88	16 - 139
Dibenzofuran	ND		32.0	28.4		ug/L		89	60 - 120
Diethyl phthalate	ND		32.0	32.1		ug/L		100	53 - 133
Dimethyl phthalate	ND		32.0	31.4		ug/L		98	59 - 123
Di-n-butyl phthalate	ND		32.0	29.8		ug/L		93	65 - 129
Di-n-octyl phthalate	ND		32.0	26.3		ug/L		82	16 - 150
Fluoranthene	ND		32.0	29.7		ug/L		93	63 - 129
Fluorene	ND		32.0	28.9		ug/L		90	62 - 120
Hexachlorobenzene	ND		32.0	28.3		ug/L		89	57 - 121
Hexachlorobutadiene	ND		32.0	20.1		ug/L		63	37 - 120
Hexachlorocyclopentadiene	ND		32.0	18.9		ug/L		59	21 - 120
Hexachloroethane	ND		32.0	19.4		ug/L		61	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	27.6		ug/L		86	16 - 140
Isophorone	ND		32.0	27.1		ug/L		85	48 - 133
Naphthalene	ND		32.0	25.1		ug/L		78	45 - 120
Nitrobenzene	ND		32.0	26.4		ug/L		82	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	28.2		ug/L		88	49 - 120
N-Nitrosodiphenylamine	ND		32.0	27.7		ug/L		87	39 - 138
Pentachlorophenol	ND	F2	64.0	64.7		ug/L		101	23 - 149
Phenanthrene	ND		32.0	28.1		ug/L		88	65 - 122
Phenol	ND		32.0	19.6		ug/L		61	16 - 120
Pyrene	ND		32.0	29.9		ug/L		94	58 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	93		41 - 120
2-Fluorobiphenyl	96		48 - 120

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: 480-204471-5 MS
Matrix: Ground Water
Analysis Batch: 652803

Client Sample ID: BCC Area E RFI-33 MS_1222
Prep Type: Total/NA
Prep Batch: 652606

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol	71		35 - 120
Nitrobenzene-d5	88		46 - 120
Phenol-d5	55		22 - 120
p-Terphenyl-d14	74		60 - 148

Lab Sample ID: 480-204471-5 MSD
Matrix: Ground Water
Analysis Batch: 652803

Client Sample ID: BCC Area E RFI-33 MSD_1222
Prep Type: Total/NA
Prep Batch: 652606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
2,4,5-Trichlorophenol	ND	F1 F2	32.0	17.0	F1 F2	ug/L		53	65 - 126	58	18	
2,4,6-Trichlorophenol	ND	F1 F2	32.0	15.4	F1 F2	ug/L		48	64 - 120	66	19	
2,4-Dichlorophenol	ND	F2	32.0	19.6	F2	ug/L		61	48 - 132	38	19	
2,4-Dimethylphenol	ND		32.0	29.1		ug/L		91	39 - 130	1	42	
2,4-Dinitrophenol	ND	F2	64.0	20.0	F2	ug/L		31	21 - 150	112	22	
2,4-Dinitrotoluene	ND		32.0	32.7		ug/L		102	54 - 138	8	20	
2,6-Dinitrotoluene	ND		32.0	33.1		ug/L		103	17 - 150	7	15	
2-Chloronaphthalene	ND		32.0	26.2		ug/L		82	52 - 124	2	21	
2-Chlorophenol	ND	F2	32.0	18.1	F2	ug/L		56	48 - 120	39	25	
2-Methylnaphthalene	ND		32.0	24.9		ug/L		78	34 - 140	3	21	
2-Methylphenol	ND		32.0	23.8		ug/L		74	46 - 120	11	27	
2-Nitroaniline	ND		32.0	31.1		ug/L		97	44 - 136	2	15	
2-Nitrophenol	ND	F2	32.0	18.6	F2	ug/L		58	38 - 141	41	18	
3,3'-Dichlorobenzidine	ND	F2	64.0	51.4	F2	ug/L		80	10 - 150	38	25	
3-Nitroaniline	ND		32.0	26.8		ug/L		84	32 - 150	18	19	
4,6-Dinitro-2-methylphenol	ND	F2	64.0	26.2	F2	ug/L		41	38 - 150	89	15	
4-Bromophenyl phenyl ether	ND		32.0	30.2		ug/L		94	63 - 126	8	15	
4-Chloro-3-methylphenol	ND		32.0	28.1		ug/L		88	64 - 127	2	27	
4-Chloroaniline	ND	F2	32.0	21.4	F2	ug/L		67	16 - 124	29	22	
4-Chlorophenyl phenyl ether	ND		32.0	30.5		ug/L		95	61 - 120	4	16	
4-Methylphenol	ND		32.0	24.1		ug/L		75	36 - 120	7	24	
4-Nitroaniline	ND		32.0	29.9		ug/L		93	32 - 150	8	24	
4-Nitrophenol	ND	F2	64.0	19.3	F2	ug/L		30	23 - 132	96	48	
Acenaphthene	ND		32.0	28.8		ug/L		90	48 - 120	1	24	
Acenaphthylene	ND		32.0	29.3		ug/L		92	63 - 120	2	18	
Acetophenone	ND		32.0	27.3		ug/L		85	53 - 120	1	20	
Aniline	ND		32.0	16.3		ug/L		51	32 - 120	12	30	
Anthracene	ND		32.0	29.6		ug/L		92	65 - 122	3	15	
Atrazine	ND		64.0	78.6		ug/L		123	50 - 150	10	20	
Benzaldehyde	ND		64.0	55.4		ug/L		87	10 - 150	1	20	
Benzo(a)anthracene	ND		32.0	28.8		ug/L		90	43 - 124	7	15	
Benzo(a)pyrene	ND		32.0	28.5		ug/L		89	23 - 125	7	15	
Benzo(b)fluoranthene	ND		32.0	28.4		ug/L		89	27 - 127	0	15	
Benzo(g,h,i)perylene	ND		32.0	29.0		ug/L		91	16 - 147	0	15	
Benzo(k)fluoranthene	ND		32.0	27.9		ug/L		87	20 - 124	3	22	
Biphenyl	ND		32.0	28.6		ug/L		89	57 - 120	3	20	
bis (2-chloroisopropyl) ether	ND		32.0	23.2		ug/L		73	28 - 121	3	24	
Bis(2-chloroethoxy)methane	ND		32.0	25.6		ug/L		80	44 - 128	1	17	

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

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

Lab Sample ID: 480-204471-5 MSD

Client Sample ID: BCC Area E RFI-33 MSD_1222

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 652803

Prep Batch: 652606

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bis(2-chloroethyl)ether	ND		32.0	25.8		ug/L		81	45 - 120	8	21
Bis(2-ethylhexyl) phthalate	ND		32.0	29.4		ug/L		92	16 - 150	7	15
Butyl benzyl phthalate	ND		32.0	32.1		ug/L		100	51 - 140	10	16
Caprolactam	ND		64.0	24.2		ug/L		38	10 - 120	6	20
Carbazole	ND		32.0	32.2		ug/L		101	16 - 148	3	20
Chrysene	ND		32.0	29.7		ug/L		93	44 - 122	9	15
Dibenz(a,h)anthracene	ND		32.0	29.0		ug/L		91	16 - 139	2	15
Dibenzofuran	ND		32.0	29.2		ug/L		91	60 - 120	3	15
Diethyl phthalate	ND		32.0	34.5		ug/L		108	53 - 133	7	15
Dimethyl phthalate	ND		32.0	33.7		ug/L		105	59 - 123	7	15
Di-n-butyl phthalate	ND		32.0	31.1		ug/L		97	65 - 129	4	15
Di-n-octyl phthalate	ND		32.0	29.4		ug/L		92	16 - 150	11	16
Fluoranthene	ND		32.0	30.1		ug/L		94	63 - 129	1	15
Fluorene	ND		32.0	29.8		ug/L		93	62 - 120	3	15
Hexachlorobenzene	ND		32.0	29.6		ug/L		92	57 - 121	4	15
Hexachlorobutadiene	ND		32.0	21.3		ug/L		66	37 - 120	5	44
Hexachlorocyclopentadiene	ND		32.0	17.7		ug/L		55	21 - 120	6	49
Hexachloroethane	ND		32.0	18.7		ug/L		59	16 - 130	4	46
Indeno(1,2,3-cd)pyrene	ND		32.0	28.9		ug/L		90	16 - 140	5	15
Isophorone	ND		32.0	27.3		ug/L		85	48 - 133	1	17
Naphthalene	ND		32.0	25.4		ug/L		79	45 - 120	1	29
Nitrobenzene	ND		32.0	26.2		ug/L		82	45 - 123	1	24
N-Nitrosodi-n-propylamine	ND		32.0	27.6		ug/L		86	49 - 120	2	31
N-Nitrosodiphenylamine	ND		32.0	29.8		ug/L		93	39 - 138	7	15
Pentachlorophenol	ND	F2	64.0	22.7	F2	ug/L		35	23 - 149	96	37
Phenanthrene	ND		32.0	29.6		ug/L		93	65 - 122	5	15
Phenol	ND		32.0	14.6		ug/L		46	16 - 120	30	34
Pyrene	ND		32.0	31.7		ug/L		99	58 - 128	6	19

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol	54		41 - 120
2-Fluorobiphenyl	100		48 - 120
2-Fluorophenol	39		35 - 120
Nitrobenzene-d5	87		46 - 120
Phenol-d5	44		22 - 120
p-Terphenyl-d14	78		60 - 148

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-652536/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 653010

Prep Batch: 652536

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		12/08/22 09:10	12/09/22 12:52	1
Antimony	ND		0.020	0.0068	mg/L		12/08/22 09:10	12/09/22 12:52	1
Arsenic	ND		0.015	0.0056	mg/L		12/08/22 09:10	12/09/22 12:52	1
Barium	ND		0.0020	0.00070	mg/L		12/08/22 09:10	12/09/22 12:52	1
Beryllium	ND		0.0020	0.00030	mg/L		12/08/22 09:10	12/09/22 12:52	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-652536/1-A
Matrix: Water
Analysis Batch: 653010

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/08/22 09:10	12/09/22 12:52	1
Calcium	ND		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 12:52	1
Chromium	ND		0.0040	0.0010	mg/L		12/08/22 09:10	12/09/22 12:52	1
Cobalt	ND		0.0040	0.00063	mg/L		12/08/22 09:10	12/09/22 12:52	1
Copper	ND		0.010	0.0016	mg/L		12/08/22 09:10	12/09/22 12:52	1
Iron	0.0218	J	0.050	0.019	mg/L		12/08/22 09:10	12/09/22 12:52	1
Lead	ND		0.010	0.0030	mg/L		12/08/22 09:10	12/09/22 12:52	1
Magnesium	ND		0.20	0.043	mg/L		12/08/22 09:10	12/09/22 12:52	1
Manganese	0.000550	J	0.0030	0.00040	mg/L		12/08/22 09:10	12/09/22 12:52	1
Nickel	ND		0.010	0.0013	mg/L		12/08/22 09:10	12/09/22 12:52	1
Potassium	ND		0.50	0.10	mg/L		12/08/22 09:10	12/09/22 12:52	1
Silver	ND		0.0060	0.0017	mg/L		12/08/22 09:10	12/09/22 12:52	1
Sodium	ND		1.0	0.32	mg/L		12/08/22 09:10	12/09/22 12:52	1
Thallium	ND		0.020	0.010	mg/L		12/08/22 09:10	12/09/22 12:52	1
Vanadium	ND		0.0050	0.0015	mg/L		12/08/22 09:10	12/09/22 12:52	1

Lab Sample ID: LCS 480-652536/2-A
Matrix: Water
Analysis Batch: 653010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	10.10		mg/L		101	80 - 120
Antimony	0.200	0.215		mg/L		108	80 - 120
Arsenic	0.200	0.201		mg/L		100	80 - 120
Barium	0.200	0.214		mg/L		107	80 - 120
Beryllium	0.200	0.208		mg/L		104	80 - 120
Cadmium	0.200	0.206		mg/L		103	80 - 120
Calcium	10.0	10.11		mg/L		101	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.200	0.201		mg/L		100	80 - 120
Copper	0.200	0.196		mg/L		98	80 - 120
Iron	10.0	10.32		mg/L		103	80 - 120
Lead	0.200	0.210		mg/L		105	80 - 120
Magnesium	10.0	9.89		mg/L		99	80 - 120
Manganese	0.200	0.210		mg/L		105	80 - 120
Nickel	0.200	0.204		mg/L		102	80 - 120
Potassium	10.0	10.30		mg/L		103	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Sodium	10.0	10.14		mg/L		101	80 - 120
Thallium	0.200	0.215		mg/L		107	80 - 120
Vanadium	0.200	0.211		mg/L		106	80 - 120
Zinc	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: 480-204471-5 MS
Matrix: Ground Water
Analysis Batch: 653010

Client Sample ID: BCC Area E RFI-33 MS_1222
Prep Type: Total/NA
Prep Batch: 652536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.13	J	10.0	10.07		mg/L		99	75 - 125

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-204471-5 MS
Matrix: Ground Water
Analysis Batch: 653010

Client Sample ID: BCC Area E RFI-33 MS_1222
Prep Type: Total/NA
Prep Batch: 652536

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Antimony	ND		0.200	0.220		mg/L		110		75 - 125
Arsenic	ND		0.200	0.212		mg/L		106		75 - 125
Barium	0.053		0.200	0.257		mg/L		102		75 - 125
Beryllium	ND		0.200	0.210		mg/L		105		75 - 125
Cadmium	ND		0.200	0.211		mg/L		105		75 - 125
Calcium	104		10.0	107.6	4	mg/L		35		75 - 125
Chromium	0.0093		0.200	0.207		mg/L		99		75 - 125
Cobalt	ND		0.200	0.206		mg/L		103		75 - 125
Copper	0.0055	J	0.200	0.204		mg/L		99		75 - 125
Iron	0.19	B	10.0	10.24		mg/L		100		75 - 125
Lead	ND		0.200	0.216		mg/L		108		75 - 125
Magnesium	15.0		10.0	24.26		mg/L		92		75 - 125
Manganese	0.022	B	0.200	0.274	F1	mg/L		126		75 - 125
Nickel	0.011		0.200	0.220		mg/L		105		75 - 125
Potassium	1.2		10.0	11.40		mg/L		102		75 - 125
Selenium	ND		0.200	0.206		mg/L		103		75 - 125
Silver	ND		0.0500	0.0491		mg/L		98		75 - 125
Sodium	85.6		10.0	98.67	4	mg/L		131		75 - 125
Thallium	ND		0.200	0.215		mg/L		107		75 - 125
Vanadium	0.0022	J	0.200	0.215		mg/L		107		75 - 125
Zinc	0.0041	J	0.200	0.207		mg/L		101		75 - 125

Lab Sample ID: 480-204471-5 MSD
Matrix: Ground Water
Analysis Batch: 653010

Client Sample ID: BCC Area E RFI-33 MSD_1222
Prep Type: Total/NA
Prep Batch: 652536

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	0.13	J	10.0	10.31		mg/L		102		75 - 125	2	20
Antimony	ND		0.200	0.224		mg/L		112		75 - 125	2	20
Arsenic	ND		0.200	0.213		mg/L		106		75 - 125	0	20
Barium	0.053		0.200	0.263		mg/L		105		75 - 125	2	20
Beryllium	ND		0.200	0.213		mg/L		106		75 - 125	1	20
Cadmium	ND		0.200	0.214		mg/L		107		75 - 125	2	20
Calcium	104		10.0	108.7	4	mg/L		46		75 - 125	1	20
Chromium	0.0093		0.200	0.211		mg/L		101		75 - 125	2	20
Cobalt	ND		0.200	0.210		mg/L		105		75 - 125	2	20
Copper	0.0055	J	0.200	0.206		mg/L		100		75 - 125	1	20
Iron	0.19	B	10.0	10.41		mg/L		102		75 - 125	2	20
Lead	ND		0.200	0.218		mg/L		109		75 - 125	1	20
Magnesium	15.0		10.0	25.00		mg/L		100		75 - 125	3	20
Manganese	0.022	B	0.200	0.267		mg/L		123		75 - 125	3	20
Nickel	0.011		0.200	0.224		mg/L		107		75 - 125	2	20
Potassium	1.2		10.0	11.66		mg/L		105		75 - 125	2	20
Selenium	ND		0.200	0.206		mg/L		103		75 - 125	0	20
Silver	ND		0.0500	0.0503		mg/L		101		75 - 125	2	20
Sodium	85.6		10.0	103.1	4	mg/L		175		75 - 125	4	20
Thallium	ND		0.200	0.217		mg/L		108		75 - 125	1	20
Vanadium	0.0022	J	0.200	0.220		mg/L		109		75 - 125	2	20
Zinc	0.0041	J	0.200	0.212		mg/L		104		75 - 125	3	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-652700/1-A
Matrix: Water
Analysis Batch: 652921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/09/22 10:46	12/09/22 15:48	1

Lab Sample ID: LCS 480-652700/2-A
Matrix: Water
Analysis Batch: 652921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00615		mg/L		92	80 - 120

Lab Sample ID: MB 480-652814/1-A
Matrix: Water
Analysis Batch: 652921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/09/22 11:47	12/09/22 17:08	1

Lab Sample ID: LCS 480-652814/2-A
Matrix: Water
Analysis Batch: 652921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00647		mg/L		97	80 - 120

Lab Sample ID: 480-204471-5 MS
Matrix: Ground Water
Analysis Batch: 652921

Client Sample ID: BCC Area E RFI-33 MS_1222
Prep Type: Total/NA
Prep Batch: 652814

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00663		mg/L		99	80 - 120

Lab Sample ID: 480-204471-5 MSD
Matrix: Ground Water
Analysis Batch: 652921

Client Sample ID: BCC Area E RFI-33 MSD_1222
Prep Type: Total/NA
Prep Batch: 652814

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00643		mg/L		96	80 - 120	3	20

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

GC/MS VOA

Analysis Batch: 652764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	8260C	
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	8260C	
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	8260C	
MB 480-652764/7	Method Blank	Total/NA	Water	8260C	
LCS 480-652764/5	Lab Control Sample	Total/NA	Water	8260C	
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	8260C	
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	8260C	

Analysis Batch: 652850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-652850/9	Method Blank	Total/NA	Water	8260C	
LCS 480-652850/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-652850/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 652995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	8260C	
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	8260C	
MB 480-652995/7	Method Blank	Total/NA	Water	8260C	
LCS 480-652995/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 652606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	3510C	
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	3510C	
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	3510C	
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	3510C	
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	3510C	
MB 480-652606/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-652606/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	3510C	
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	3510C	

Analysis Batch: 652803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	8270D	652606
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	8270D	652606
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	8270D	652606
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	8270D	652606
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	8270D	652606
MB 480-652606/1-A	Method Blank	Total/NA	Water	8270D	652606
LCS 480-652606/2-A	Lab Control Sample	Total/NA	Water	8270D	652606
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	8270D	652606
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	8270D	652606

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Metals

Prep Batch: 652536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	3005A	
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	3005A	
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	3005A	
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	3005A	
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	3005A	
MB 480-652536/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-652536/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	3005A	
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	3005A	

Prep Batch: 652700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	7470A	
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	7470A	
MB 480-652700/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-652700/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 652814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	7470A	
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	7470A	
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	7470A	
MB 480-652814/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-652814/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	7470A	
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	7470A	

Analysis Batch: 652921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	7470A	652700
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	7470A	652700
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	7470A	652814
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	7470A	652814
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	7470A	652814
MB 480-652700/1-A	Method Blank	Total/NA	Water	7470A	652700
MB 480-652814/1-A	Method Blank	Total/NA	Water	7470A	652814
LCS 480-652700/2-A	Lab Control Sample	Total/NA	Water	7470A	652700
LCS 480-652814/2-A	Lab Control Sample	Total/NA	Water	7470A	652814
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	7470A	652814
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	7470A	652814

Analysis Batch: 653010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-1	BCC Area E RFI-33 D_1222	Total/NA	Ground Water	6010C	652536
480-204471-2	BCC Area E MW-E05_1222	Total/NA	Ground Water	6010C	652536
480-204471-3	BCC Area E RFI-29_1222	Total/NA	Ground Water	6010C	652536
480-204471-4	BCC Area E RFI-32A_1222	Total/NA	Ground Water	6010C	652536
480-204471-5	BCC Area E RFI-33_1222	Total/NA	Ground Water	6010C	652536
MB 480-652536/1-A	Method Blank	Total/NA	Water	6010C	652536
LCS 480-652536/2-A	Lab Control Sample	Total/NA	Water	6010C	652536
480-204471-5 MS	BCC Area E RFI-33 MS_1222	Total/NA	Ground Water	6010C	652536

Eurofins Buffalo

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Metals (Continued)

Analysis Batch: 653010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204471-5 MSD	BCC Area E RFI-33 MSD_1222	Total/NA	Ground Water	6010C	652536

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Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-33 D_1222

Lab Sample ID: 480-204471-1

Date Collected: 12/06/22 10:25

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652995	LCH	EET BUF	12/12/22 11:02
Total/NA	Prep	3510C			652606	MS	EET BUF	12/08/22 08:19
Total/NA	Analysis	8270D		20	652803	JMM	EET BUF	12/10/22 00:25
Total/NA	Prep	3005A			652536	NVK	EET BUF	12/08/22 09:10
Total/NA	Analysis	6010C		1	653010	LMH	EET BUF	12/09/22 13:23
Total/NA	Prep	7470A			652700	NVK	EET BUF	12/09/22 10:46
Total/NA	Analysis	7470A		1	652921	NVK	EET BUF	12/09/22 16:25

Client Sample ID: BCC Area E MW-E05_1222

Lab Sample ID: 480-204471-2

Date Collected: 12/06/22 14:35

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652995	LCH	EET BUF	12/12/22 11:24
Total/NA	Prep	3510C			652606	MS	EET BUF	12/08/22 08:19
Total/NA	Analysis	8270D		1	652803	JMM	EET BUF	12/10/22 00:53
Total/NA	Prep	3005A			652536	NVK	EET BUF	12/08/22 09:10
Total/NA	Analysis	6010C		1	653010	LMH	EET BUF	12/09/22 13:27
Total/NA	Prep	7470A			652700	NVK	EET BUF	12/09/22 10:46
Total/NA	Analysis	7470A		1	652921	NVK	EET BUF	12/09/22 16:26

Client Sample ID: BCC Area E RFI-29_1222

Lab Sample ID: 480-204471-3

Date Collected: 12/06/22 16:10

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652764	CR	EET BUF	12/09/22 14:12
Total/NA	Prep	3510C			652606	MS	EET BUF	12/08/22 08:19
Total/NA	Analysis	8270D		1	652803	JMM	EET BUF	12/10/22 01:20
Total/NA	Prep	3005A			652536	NVK	EET BUF	12/08/22 09:10
Total/NA	Analysis	6010C		1	653010	LMH	EET BUF	12/09/22 13:31
Total/NA	Prep	7470A			652814	NVK	EET BUF	12/09/22 11:47
Total/NA	Analysis	7470A		1	652921	NVK	EET BUF	12/09/22 17:11

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4000	652764	CR	EET BUF	12/09/22 14:36
Total/NA	Prep	3510C			652606	MS	EET BUF	12/08/22 08:19
Total/NA	Analysis	8270D		20	652803	JMM	EET BUF	12/10/22 01:48
Total/NA	Prep	3005A			652536	NVK	EET BUF	12/08/22 09:10
Total/NA	Analysis	6010C		1	653010	LMH	EET BUF	12/09/22 13:35

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Client Sample ID: BCC Area E RFI-32A_1222

Lab Sample ID: 480-204471-4

Date Collected: 12/06/22 12:30

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			652814	NVK	EET BUF	12/09/22 11:47
Total/NA	Analysis	7470A		1	652921	NVK	EET BUF	12/09/22 17:12

Client Sample ID: BCC Area E RFI-33_1222

Lab Sample ID: 480-204471-5

Date Collected: 12/06/22 10:15

Matrix: Ground Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652764	CR	EET BUF	12/09/22 14:59
Total/NA	Prep	3510C			652606	MS	EET BUF	12/08/22 08:19
Total/NA	Analysis	8270D		1	652803	JMM	EET BUF	12/09/22 21:14
Total/NA	Prep	3005A			652536	NVK	EET BUF	12/08/22 09:10
Total/NA	Analysis	6010C		1	653010	LMH	EET BUF	12/09/22 13:39
Total/NA	Prep	7470A			652814	NVK	EET BUF	12/09/22 11:47
Total/NA	Analysis	7470A		1	652921	NVK	EET BUF	12/09/22 17:13

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-204471-6

Date Collected: 12/06/22 00:00

Matrix: Water

Date Received: 12/06/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652850	CB	EET BUF	12/09/22 23:25

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-204471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204471-1	BCC Area E RFI-33 D_1222	Ground Water	12/06/22 10:25	12/06/22 17:30
480-204471-2	BCC Area E MW-E05_1222	Ground Water	12/06/22 14:35	12/06/22 17:30
480-204471-3	BCC Area E RFI-29_1222	Ground Water	12/06/22 16:10	12/06/22 17:30
480-204471-4	BCC Area E RFI-32A_1222	Ground Water	12/06/22 12:30	12/06/22 17:30
480-204471-5	BCC Area E RFI-33_1222	Ground Water	12/06/22 10:15	12/06/22 17:30
480-204471-6	TRIP BLANK	Water	12/06/22 00:00	12/06/22 17:30

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Client Information		Sampler: <u>Taylor Kunze</u>		Lab PM: <u>Schove, John R</u>		COC No: <u>480-179411-6267.1</u>	
Client Contact: <u>Kirsten Colligan</u>		Phone: <u>716-480-3080</u>		E-Mail: <u>John.Schove@et.eurofins.com</u>		Page: <u>Page 1 of 1</u>	
Company: <u>Ontario Specialty Contracting, Inc.</u>		PWSID: _____		Analysis Requested		Job #: <u>16011</u>	
Address: <u>140 Lee St.</u>		Due Date Requested: _____		Field Filtered Sample (Yes or No)		Preservation Codes:	
City: <u>Buffalo</u>		TAT Requested (days): <u>2 weeks</u>		Form MS/MSD (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid M - Hexane N - None O - AsNaO2 P - Na2O4S - Na2SO3 - Na2S2O3 H2SO4 TSP Dodecahydrate Acetone MCAA pH 4.5 Trizma Other (specify)	
State, Zip: <u>NY, 14210</u>		Compliance Project: <u>Δ Yes Δ No</u>		6010B, 7470A		Barcode: 	
Phone: <u>716-856-3333</u>		PO #: <u>65246</u>		8260B - TCL VOCs		480-204471 Chain of Custody	
Email: <u>kcolligan@oscinc.com</u>		WO #: _____		8270C - TCL SVOCs + aniline			
Project Name: <u>OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area</u>		Project #: <u>48003159</u>		D A N		Special Instructions/Note:	
Site: <u>New York</u>		SSOW#: _____		Field Filtered Sample (Yes or No)			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (Water, Solid, Wash, etc)	Total Number of
BCC Area E MW-E05	12-6-22	14:35	G		Water	
BCC Area E RFI-29		16:10	G		Water	
BCC Area E RFI-32A		12:30	G		Water	
BCC Area E RFI-33		10:15	G		Water	
BCC Area E D		10:25	G		Water	
BCC Area E MS		10:35	G		Water	
BCC Area E MSD		10:45	G		Water	
TRIP BLANK		N/A			Water	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) _____

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Jeff A. Huzar Date/Time: 12.6.2022 17:05 Company: OSC

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Δ Yes Δ No Custody Seal No.: _____

Cooler Temperature(s) °C and Other Remarks: 3.4 #1 ICE

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: _____

Method of Shipment: _____

Received by: _____ Date/Time: 17:30 Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____



Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-204471-1

Login Number: 204471

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ocs
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	





ANALYTICAL REPORT

PREPARED FOR

Attn: Kirsten Colligan
Ontario Specialty Contracting, Inc.
140 Lee St.
Buffalo, New York 14210
Generated 2/14/2023 12:24:14 PM

JOB DESCRIPTION

Buffalo Color Area E Wells
Buffalo Color Area E Wells

JOB NUMBER

480-205912-1

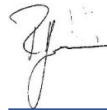
Eurofins Buffalo

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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2/14/2023 12:24:14 PM

Authorized for release by
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838



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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Job ID: 480-205912-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-205912-1

Comments

No additional comments.

Receipt

The samples were received on 2/2/2023 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 12.9° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-657925 recovered outside acceptance criteria, low biased, for Chloromethane . A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-658027 recovered outside acceptance criteria, low biased, for Vinyl chloride and Chloromethane . A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-658514 recovered outside acceptance criteria, low biased, for Chloromethane . A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A (480-205912-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-658053 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-658053 was outside criteria for the following analyte(s): Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-657929 and analytical batch 480-658053 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: BCC Area E MW-E05 D (480-205912-1) and BCC Area E RFI-32A (480-205912-4). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: BCC Area E MW-E05 D (480-205912-1) and BCC Area E RFI-32A (480-205912-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: BCC Area E MW-E05 (480-205912-2). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Job ID: 480-205912-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	4.4		1.0	0.75	ug/L	1		8260C	Total/NA
Barium	0.029		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.013		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	137		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0026	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.095		0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0073	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	17.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.081	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.015		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	29.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	2.8		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	4.0		1.0	0.75	ug/L	1		8260C	Total/NA
Barium	0.030		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.013		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	140		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0033	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.097		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.030	J	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.010		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	17.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.091	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.015		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	29.7		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	2.9		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	4.3		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	0.84	J	1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	4.5		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	0.46	J	1.0	0.41	ug/L	1		8260C	Total/NA
Carbon disulfide	0.40	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chlorobenzene	28		1.0	0.75	ug/L	1		8260C	Total/NA
4-Chloroaniline	3.9	J	5.0	0.59	ug/L	1		8270D	Total/NA
Barium	0.061		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	180		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0018	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Iron	0.21		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	28.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.25	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0045	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	9.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	130		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0044	J	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	150000		4000	3000	ug/L	4000		8260C	Total/NA
2-Chlorophenol	210		100	11	ug/L	20		8270D	Total/NA
Aluminum	0.071	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.015		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.022		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	357		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0019	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0014	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0041	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	7.3		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	136		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.60	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0065	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	169		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0052	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.033		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	71.3		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0029	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0034	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.048	J	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	9.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0064	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0066	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	52.6		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0027	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-205912-6

No Detections.

This Detection Summary does not include radiochemical test results.

Euofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Date Collected: 02/02/23 09:20

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/07/23 12:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/07/23 12:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/07/23 12:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/07/23 12:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/07/23 12:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/07/23 12:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/07/23 12:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/07/23 12:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/07/23 12:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/07/23 12:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/07/23 12:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/07/23 12:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/07/23 12:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/07/23 12:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/07/23 12:07	1
2-Hexanone	ND		5.0	1.2	ug/L			02/07/23 12:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/07/23 12:07	1
Acetone	ND		10	3.0	ug/L			02/07/23 12:07	1
Benzene	ND		1.0	0.41	ug/L			02/07/23 12:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/07/23 12:07	1
Bromoform	ND		1.0	0.26	ug/L			02/07/23 12:07	1
Bromomethane	ND		1.0	0.69	ug/L			02/07/23 12:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/07/23 12:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/07/23 12:07	1
Chlorobenzene	4.4		1.0	0.75	ug/L			02/07/23 12:07	1
Chloroethane	ND		1.0	0.32	ug/L			02/07/23 12:07	1
Chloroform	ND		1.0	0.34	ug/L			02/07/23 12:07	1
Chloromethane	ND		1.0	0.35	ug/L			02/07/23 12:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/07/23 12:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/07/23 12:07	1
Cyclohexane	ND		1.0	0.18	ug/L			02/07/23 12:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/07/23 12:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/07/23 12:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/07/23 12:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/07/23 12:07	1
Methyl acetate	ND		2.5	1.3	ug/L			02/07/23 12:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/07/23 12:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/07/23 12:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/07/23 12:07	1
Styrene	ND		1.0	0.73	ug/L			02/07/23 12:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/07/23 12:07	1
Toluene	ND		1.0	0.51	ug/L			02/07/23 12:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/07/23 12:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/07/23 12:07	1
Trichloroethene	ND		1.0	0.46	ug/L			02/07/23 12:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/07/23 12:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/07/23 12:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/07/23 12:07	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Date Collected: 02/02/23 09:20

Matrix: Ground Water

Date Received: 02/02/23 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		02/07/23 12:07	1
4-Bromofluorobenzene (Surr)	98		73 - 120		02/07/23 12:07	1
Toluene-d8 (Surr)	107		80 - 120		02/07/23 12:07	1
Dibromofluoromethane (Surr)	107		75 - 123		02/07/23 12:07	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,4-Dichlorophenol	ND		100	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,4-Dimethylphenol	ND		100	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,4-Dinitrophenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		02/06/23 08:22	02/07/23 14:37	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Chloronaphthalene	ND		100	9.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Chlorophenol	ND		100	11	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Methylnaphthalene	ND		100	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Methylphenol	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Nitroaniline	ND		200	8.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
2-Nitrophenol	ND		100	9.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
3-Nitroaniline	ND		200	9.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Chloroaniline	ND		100	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Methylphenol	ND		200	7.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Nitroaniline	ND		200	5.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
4-Nitrophenol	ND		200	30	ug/L		02/06/23 08:22	02/07/23 14:37	20
Acenaphthene	ND		100	8.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Acenaphthylene	ND		100	7.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
Acetophenone	ND		100	11	ug/L		02/06/23 08:22	02/07/23 14:37	20
Aniline	ND		200	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
Anthracene	ND		100	5.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
Atrazine	ND	+	100	9.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzaldehyde	ND		100	5.3	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzo(a)anthracene	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzo(a)pyrene	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
Benzo(k)fluoranthene	ND		100	15	ug/L		02/06/23 08:22	02/07/23 14:37	20
Biphenyl	ND		100	13	ug/L		02/06/23 08:22	02/07/23 14:37	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		02/06/23 08:22	02/07/23 14:37	20
Butyl benzyl phthalate	ND		100	20	ug/L		02/06/23 08:22	02/07/23 14:37	20
Caprolactam	ND		100	44	ug/L		02/06/23 08:22	02/07/23 14:37	20
Carbazole	ND		100	6.0	ug/L		02/06/23 08:22	02/07/23 14:37	20

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Date Collected: 02/02/23 09:20

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
Dibenzofuran	ND		200	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
Diethyl phthalate	ND		100	4.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
Dimethyl phthalate	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
Fluoranthene	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 14:37	20
Fluorene	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 14:37	20
Hexachlorobenzene	ND		100	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
Hexachlorobutadiene	ND		100	14	ug/L		02/06/23 08:22	02/07/23 14:37	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
Hexachloroethane	ND		100	12	ug/L		02/06/23 08:22	02/07/23 14:37	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 14:37	20
Isophorone	ND		100	8.6	ug/L		02/06/23 08:22	02/07/23 14:37	20
Naphthalene	ND		100	15	ug/L		02/06/23 08:22	02/07/23 14:37	20
Nitrobenzene	ND		100	5.8	ug/L		02/06/23 08:22	02/07/23 14:37	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		02/06/23 08:22	02/07/23 14:37	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		02/06/23 08:22	02/07/23 14:37	20
Pentachlorophenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 14:37	20
Phenanthrene	ND		100	8.8	ug/L		02/06/23 08:22	02/07/23 14:37	20
Phenol	ND		100	7.8	ug/L		02/06/23 08:22	02/07/23 14:37	20
Pyrene	ND		100	6.8	ug/L		02/06/23 08:22	02/07/23 14:37	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	S1-	41 - 120	02/06/23 08:22	02/07/23 14:37	20
2-Fluorobiphenyl	71		48 - 120	02/06/23 08:22	02/07/23 14:37	20
2-Fluorophenol	72		35 - 120	02/06/23 08:22	02/07/23 14:37	20
Nitrobenzene-d5	62		46 - 120	02/06/23 08:22	02/07/23 14:37	20
Phenol-d5	0	S1-	22 - 120	02/06/23 08:22	02/07/23 14:37	20
p-Terphenyl-d14	79		60 - 148	02/06/23 08:22	02/07/23 14:37	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/06/23 09:30	02/06/23 17:01	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 17:01	1
Arsenic	ND		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 17:01	1
Barium	0.029		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 17:01	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 17:01	1
Cadmium	0.013		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 17:01	1
Calcium	137		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:01	1
Chromium	ND		0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 17:01	1
Cobalt	0.0026	J	0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 17:01	1
Copper	0.095		0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 17:01	1
Iron	ND		0.050	0.019	mg/L		02/06/23 09:30	02/06/23 17:01	1
Lead	0.0073	J	0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 17:01	1
Magnesium	17.1		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 17:01	1
Manganese	0.081	B	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 17:01	1
Nickel	0.015		0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 17:01	1
Potassium	3.8		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:01	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Date Collected: 02/02/23 09:20

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 17:01	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 17:01	1
Sodium	29.5		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 17:01	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 17:01	1
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 17:01	1
Zinc	2.8		0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 17:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:46	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Date Collected: 02/02/23 09:05

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/07/23 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/07/23 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/07/23 12:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/07/23 12:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/07/23 12:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/07/23 12:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/07/23 12:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/07/23 12:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/07/23 12:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/07/23 12:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/07/23 12:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/07/23 12:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/07/23 12:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/07/23 12:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/07/23 12:30	1
2-Hexanone	ND		5.0	1.2	ug/L			02/07/23 12:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/07/23 12:30	1
Acetone	ND		10	3.0	ug/L			02/07/23 12:30	1
Benzene	ND		1.0	0.41	ug/L			02/07/23 12:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/07/23 12:30	1
Bromoform	ND		1.0	0.26	ug/L			02/07/23 12:30	1
Bromomethane	ND		1.0	0.69	ug/L			02/07/23 12:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/07/23 12:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/07/23 12:30	1
Chlorobenzene	4.0		1.0	0.75	ug/L			02/07/23 12:30	1
Chloroethane	ND		1.0	0.32	ug/L			02/07/23 12:30	1
Chloroform	ND		1.0	0.34	ug/L			02/07/23 12:30	1
Chloromethane	ND	F1	1.0	0.35	ug/L			02/07/23 12:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/07/23 12:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/07/23 12:30	1
Cyclohexane	ND		1.0	0.18	ug/L			02/07/23 12:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/07/23 12:30	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			02/07/23 12:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/07/23 12:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/07/23 12:30	1
Methyl acetate	ND		2.5	1.3	ug/L			02/07/23 12:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/07/23 12:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/07/23 12:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/07/23 12:30	1
Styrene	ND		1.0	0.73	ug/L			02/07/23 12:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/07/23 12:30	1
Toluene	ND		1.0	0.51	ug/L			02/07/23 12:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/07/23 12:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/07/23 12:30	1
Trichloroethene	ND		1.0	0.46	ug/L			02/07/23 12:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/07/23 12:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/07/23 12:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/07/23 12:30	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Date Collected: 02/02/23 09:05

Matrix: Ground Water

Date Received: 02/02/23 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		02/07/23 12:30	1
4-Bromofluorobenzene (Surr)	100		73 - 120		02/07/23 12:30	1
Toluene-d8 (Surr)	104		80 - 120		02/07/23 12:30	1
Dibromofluoromethane (Surr)	104		75 - 123		02/07/23 12:30	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 12:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Nitroaniline	ND		10	0.42	ug/L		02/06/23 08:22	02/07/23 12:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 12:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 12:45	1
3-Nitroaniline	ND		10	0.48	ug/L		02/06/23 08:22	02/07/23 12:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Methylphenol	ND		10	0.36	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Nitroaniline	ND		10	0.25	ug/L		02/06/23 08:22	02/07/23 12:45	1
4-Nitrophenol	ND		10	1.5	ug/L		02/06/23 08:22	02/07/23 12:45	1
Acenaphthene	ND		5.0	0.41	ug/L		02/06/23 08:22	02/07/23 12:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/06/23 08:22	02/07/23 12:45	1
Acetophenone	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 12:45	1
Aniline	ND		10	0.61	ug/L		02/06/23 08:22	02/07/23 12:45	1
Anthracene	ND		5.0	0.28	ug/L		02/06/23 08:22	02/07/23 12:45	1
Atrazine	ND	+	5.0	0.46	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 12:45	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/06/23 08:22	02/07/23 12:45	1
Biphenyl	ND		5.0	0.65	ug/L		02/06/23 08:22	02/07/23 12:45	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/06/23 08:22	02/07/23 12:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 12:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 12:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 12:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/06/23 08:22	02/07/23 12:45	1
Caprolactam	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 12:45	1
Carbazole	ND		5.0	0.30	ug/L		02/06/23 08:22	02/07/23 12:45	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Date Collected: 02/02/23 09:05

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/06/23 08:22	02/07/23 12:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/06/23 08:22	02/07/23 12:45	1
Dibenzofuran	ND		10	0.51	ug/L		02/06/23 08:22	02/07/23 12:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/06/23 08:22	02/07/23 12:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 12:45	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/06/23 08:22	02/07/23 12:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 12:45	1
Fluoranthene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 12:45	1
Fluorene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 12:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 12:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/06/23 08:22	02/07/23 12:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 12:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 12:45	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 12:45	1
Isophorone	ND		5.0	0.43	ug/L		02/06/23 08:22	02/07/23 12:45	1
Naphthalene	ND		5.0	0.76	ug/L		02/06/23 08:22	02/07/23 12:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/06/23 08:22	02/07/23 12:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 12:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 12:45	1
Pentachlorophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 12:45	1
Phenanthrene	ND		5.0	0.44	ug/L		02/06/23 08:22	02/07/23 12:45	1
Phenol	ND		5.0	0.39	ug/L		02/06/23 08:22	02/07/23 12:45	1
Pyrene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	123	S1+	41 - 120	02/06/23 08:22	02/07/23 12:45	1
2-Fluorobiphenyl	112		48 - 120	02/06/23 08:22	02/07/23 12:45	1
2-Fluorophenol	81		35 - 120	02/06/23 08:22	02/07/23 12:45	1
Nitrobenzene-d5	92		46 - 120	02/06/23 08:22	02/07/23 12:45	1
Phenol-d5	61		22 - 120	02/06/23 08:22	02/07/23 12:45	1
p-Terphenyl-d14	98		60 - 148	02/06/23 08:22	02/07/23 12:45	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/06/23 09:30	02/06/23 17:05	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 17:05	1
Arsenic	ND		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 17:05	1
Barium	0.030		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 17:05	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 17:05	1
Cadmium	0.013		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 17:05	1
Calcium	140		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:05	1
Chromium	ND		0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 17:05	1
Cobalt	0.0033	J	0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 17:05	1
Copper	0.097		0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 17:05	1
Iron	0.030	J	0.050	0.019	mg/L		02/06/23 09:30	02/06/23 17:05	1
Lead	0.010		0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 17:05	1
Magnesium	17.4		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 17:05	1
Manganese	0.091	B	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 17:05	1
Nickel	0.015		0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 17:05	1
Potassium	3.9		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:05	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Date Collected: 02/02/23 09:05

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 17:05	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 17:05	1
Sodium	29.7		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 17:05	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 17:05	1
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 17:05	1
Zinc	2.9		0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 17:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:48	1

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

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Date Collected: 02/02/23 11:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/07/23 12:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/07/23 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/07/23 12:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/07/23 12:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/07/23 12:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/07/23 12:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/07/23 12:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/07/23 12:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/07/23 12:53	1
1,2-Dichlorobenzene	4.3		1.0	0.79	ug/L			02/07/23 12:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/07/23 12:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/07/23 12:53	1
1,3-Dichlorobenzene	0.84	J	1.0	0.78	ug/L			02/07/23 12:53	1
1,4-Dichlorobenzene	4.5		1.0	0.84	ug/L			02/07/23 12:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/07/23 12:53	1
2-Hexanone	ND		5.0	1.2	ug/L			02/07/23 12:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/07/23 12:53	1
Acetone	ND		10	3.0	ug/L			02/07/23 12:53	1
Benzene	0.46	J	1.0	0.41	ug/L			02/07/23 12:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/07/23 12:53	1
Bromoform	ND		1.0	0.26	ug/L			02/07/23 12:53	1
Bromomethane	ND		1.0	0.69	ug/L			02/07/23 12:53	1
Carbon disulfide	0.40	J	1.0	0.19	ug/L			02/07/23 12:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/07/23 12:53	1
Chlorobenzene	28		1.0	0.75	ug/L			02/07/23 12:53	1
Chloroethane	ND		1.0	0.32	ug/L			02/07/23 12:53	1
Chloroform	ND		1.0	0.34	ug/L			02/07/23 12:53	1
Chloromethane	ND		1.0	0.35	ug/L			02/07/23 12:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/07/23 12:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/07/23 12:53	1
Cyclohexane	ND		1.0	0.18	ug/L			02/07/23 12:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/07/23 12:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/07/23 12:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/07/23 12:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/07/23 12:53	1
Methyl acetate	ND		2.5	1.3	ug/L			02/07/23 12:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/07/23 12:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/07/23 12:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/07/23 12:53	1
Styrene	ND		1.0	0.73	ug/L			02/07/23 12:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/07/23 12:53	1
Toluene	ND		1.0	0.51	ug/L			02/07/23 12:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/07/23 12:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/07/23 12:53	1
Trichloroethene	ND		1.0	0.46	ug/L			02/07/23 12:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/07/23 12:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/07/23 12:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/07/23 12:53	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Date Collected: 02/02/23 11:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		02/07/23 12:53	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/07/23 12:53	1
Toluene-d8 (Surr)	104		80 - 120		02/07/23 12:53	1
Dibromofluoromethane (Surr)	104		75 - 123		02/07/23 12:53	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 15:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Nitroaniline	ND		10	0.42	ug/L		02/06/23 08:22	02/07/23 15:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 15:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 15:05	1
3-Nitroaniline	ND		10	0.48	ug/L		02/06/23 08:22	02/07/23 15:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Chloroaniline	3.9	J	5.0	0.59	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Methylphenol	ND		10	0.36	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Nitroaniline	ND		10	0.25	ug/L		02/06/23 08:22	02/07/23 15:05	1
4-Nitrophenol	ND		10	1.5	ug/L		02/06/23 08:22	02/07/23 15:05	1
Acenaphthene	ND		5.0	0.41	ug/L		02/06/23 08:22	02/07/23 15:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/06/23 08:22	02/07/23 15:05	1
Acetophenone	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 15:05	1
Aniline	ND		10	0.61	ug/L		02/06/23 08:22	02/07/23 15:05	1
Anthracene	ND		5.0	0.28	ug/L		02/06/23 08:22	02/07/23 15:05	1
Atrazine	ND	*+	5.0	0.46	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 15:05	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/06/23 08:22	02/07/23 15:05	1
Biphenyl	ND		5.0	0.65	ug/L		02/06/23 08:22	02/07/23 15:05	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/06/23 08:22	02/07/23 15:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 15:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 15:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 15:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/06/23 08:22	02/07/23 15:05	1
Caprolactam	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 15:05	1
Carbazole	ND		5.0	0.30	ug/L		02/06/23 08:22	02/07/23 15:05	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Date Collected: 02/02/23 11:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/06/23 08:22	02/07/23 15:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/06/23 08:22	02/07/23 15:05	1
Dibenzofuran	ND		10	0.51	ug/L		02/06/23 08:22	02/07/23 15:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/06/23 08:22	02/07/23 15:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 15:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/06/23 08:22	02/07/23 15:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 15:05	1
Fluoranthene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 15:05	1
Fluorene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 15:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 15:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/06/23 08:22	02/07/23 15:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 15:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 15:05	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 15:05	1
Isophorone	ND		5.0	0.43	ug/L		02/06/23 08:22	02/07/23 15:05	1
Naphthalene	ND		5.0	0.76	ug/L		02/06/23 08:22	02/07/23 15:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/06/23 08:22	02/07/23 15:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 15:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 15:05	1
Pentachlorophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 15:05	1
Phenanthrene	ND		5.0	0.44	ug/L		02/06/23 08:22	02/07/23 15:05	1
Phenol	ND		5.0	0.39	ug/L		02/06/23 08:22	02/07/23 15:05	1
Pyrene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	108		41 - 120	02/06/23 08:22	02/07/23 15:05	1
2-Fluorobiphenyl	100		48 - 120	02/06/23 08:22	02/07/23 15:05	1
2-Fluorophenol	74		35 - 120	02/06/23 08:22	02/07/23 15:05	1
Nitrobenzene-d5	79		46 - 120	02/06/23 08:22	02/07/23 15:05	1
Phenol-d5	54		22 - 120	02/06/23 08:22	02/07/23 15:05	1
p-Terphenyl-d14	88		60 - 148	02/06/23 08:22	02/07/23 15:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/06/23 09:30	02/06/23 17:24	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 17:24	1
Arsenic	ND		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 17:24	1
Barium	0.061		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 17:24	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 17:24	1
Cadmium	ND		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 17:24	1
Calcium	180		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:24	1
Chromium	0.0018	J	0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 17:24	1
Cobalt	ND		0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 17:24	1
Copper	ND		0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 17:24	1
Iron	0.21		0.050	0.019	mg/L		02/06/23 09:30	02/06/23 17:24	1
Lead	ND		0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 17:24	1
Magnesium	28.0		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 17:24	1
Manganese	0.25	B	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 17:24	1
Nickel	0.0045	J	0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 17:24	1
Potassium	9.8		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:24	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Date Collected: 02/02/23 11:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 17:24	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 17:24	1
Sodium	130		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 17:24	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 17:24	1
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 17:24	1
Zinc	0.0044	J	0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 17:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:55	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4000	3300	ug/L			02/13/23 14:00	4000
1,1,2,2-Tetrachloroethane	ND		4000	840	ug/L			02/13/23 14:00	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200	ug/L			02/13/23 14:00	4000
1,1,2-Trichloroethane	ND		4000	920	ug/L			02/13/23 14:00	4000
1,1-Dichloroethane	ND		4000	1500	ug/L			02/13/23 14:00	4000
1,1-Dichloroethene	ND		4000	1200	ug/L			02/13/23 14:00	4000
1,2,4-Trichlorobenzene	ND		4000	1600	ug/L			02/13/23 14:00	4000
1,2-Dibromo-3-Chloropropane	ND		4000	1600	ug/L			02/13/23 14:00	4000
1,2-Dibromoethane	ND		4000	2900	ug/L			02/13/23 14:00	4000
1,2-Dichlorobenzene	ND		4000	3200	ug/L			02/13/23 14:00	4000
1,2-Dichloroethane	ND		4000	840	ug/L			02/13/23 14:00	4000
1,2-Dichloropropane	ND		4000	2900	ug/L			02/13/23 14:00	4000
1,3-Dichlorobenzene	ND		4000	3100	ug/L			02/13/23 14:00	4000
1,4-Dichlorobenzene	ND		4000	3400	ug/L			02/13/23 14:00	4000
2-Butanone (MEK)	ND		40000	5300	ug/L			02/13/23 14:00	4000
2-Hexanone	ND		20000	5000	ug/L			02/13/23 14:00	4000
4-Methyl-2-pentanone (MIBK)	ND		20000	8400	ug/L			02/13/23 14:00	4000
Acetone	ND		40000	12000	ug/L			02/13/23 14:00	4000
Benzene	ND		4000	1600	ug/L			02/13/23 14:00	4000
Bromodichloromethane	ND		4000	1600	ug/L			02/13/23 14:00	4000
Bromoform	ND		4000	1000	ug/L			02/13/23 14:00	4000
Bromomethane	ND		4000	2800	ug/L			02/13/23 14:00	4000
Carbon disulfide	ND		4000	760	ug/L			02/13/23 14:00	4000
Carbon tetrachloride	ND		4000	1100	ug/L			02/13/23 14:00	4000
Chlorobenzene	150000		4000	3000	ug/L			02/13/23 14:00	4000
Chloroethane	ND		4000	1300	ug/L			02/13/23 14:00	4000
Chloroform	ND		4000	1400	ug/L			02/13/23 14:00	4000
Chloromethane	ND		4000	1400	ug/L			02/13/23 14:00	4000
cis-1,2-Dichloroethene	ND		4000	3200	ug/L			02/13/23 14:00	4000
cis-1,3-Dichloropropene	ND		4000	1400	ug/L			02/13/23 14:00	4000
Cyclohexane	ND		4000	720	ug/L			02/13/23 14:00	4000
Dibromochloromethane	ND		4000	1300	ug/L			02/13/23 14:00	4000
Dichlorodifluoromethane	ND		4000	2700	ug/L			02/13/23 14:00	4000
Ethylbenzene	ND		4000	3000	ug/L			02/13/23 14:00	4000
Isopropylbenzene	ND		4000	3200	ug/L			02/13/23 14:00	4000
Methyl acetate	ND		10000	5200	ug/L			02/13/23 14:00	4000
Methyl tert-butyl ether	ND		4000	640	ug/L			02/13/23 14:00	4000
Methylcyclohexane	ND		4000	640	ug/L			02/13/23 14:00	4000
Methylene Chloride	ND		4000	1800	ug/L			02/13/23 14:00	4000
Styrene	ND		4000	2900	ug/L			02/13/23 14:00	4000
Tetrachloroethene	ND		4000	1400	ug/L			02/13/23 14:00	4000
Toluene	ND		4000	2000	ug/L			02/13/23 14:00	4000
trans-1,2-Dichloroethene	ND		4000	3600	ug/L			02/13/23 14:00	4000
trans-1,3-Dichloropropene	ND		4000	1500	ug/L			02/13/23 14:00	4000
Trichloroethene	ND		4000	1800	ug/L			02/13/23 14:00	4000
Trichlorofluoromethane	ND		4000	3500	ug/L			02/13/23 14:00	4000
Vinyl chloride	ND		4000	3600	ug/L			02/13/23 14:00	4000
Xylenes, Total	ND		8000	2600	ug/L			02/13/23 14:00	4000

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		02/13/23 14:00	4000
4-Bromofluorobenzene (Surr)	99		73 - 120		02/13/23 14:00	4000
Toluene-d8 (Surr)	104		80 - 120		02/13/23 14:00	4000
Dibromofluoromethane (Surr)	105		75 - 123		02/13/23 14:00	4000

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,4-Dichlorophenol	ND		100	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,4-Dimethylphenol	ND		100	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,4-Dinitrophenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		02/06/23 08:22	02/07/23 15:33	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Chloronaphthalene	ND		100	9.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Chlorophenol	210		100	11	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Methylnaphthalene	ND		100	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Methylphenol	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Nitroaniline	ND		200	8.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
2-Nitrophenol	ND		100	9.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
3-Nitroaniline	ND		200	9.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Chloroaniline	ND		100	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Methylphenol	ND		200	7.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Nitroaniline	ND		200	5.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
4-Nitrophenol	ND		200	30	ug/L		02/06/23 08:22	02/07/23 15:33	20
Acenaphthene	ND		100	8.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Acenaphthylene	ND		100	7.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
Acetophenone	ND		100	11	ug/L		02/06/23 08:22	02/07/23 15:33	20
Aniline	ND		200	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
Anthracene	ND		100	5.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
Atrazine	ND	+	100	9.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzaldehyde	ND		100	5.3	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzo(a)anthracene	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzo(a)pyrene	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
Benzo(k)fluoranthene	ND		100	15	ug/L		02/06/23 08:22	02/07/23 15:33	20
Biphenyl	ND		100	13	ug/L		02/06/23 08:22	02/07/23 15:33	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		02/06/23 08:22	02/07/23 15:33	20
Butyl benzyl phthalate	ND		100	20	ug/L		02/06/23 08:22	02/07/23 15:33	20
Caprolactam	ND		100	44	ug/L		02/06/23 08:22	02/07/23 15:33	20
Carbazole	ND		100	6.0	ug/L		02/06/23 08:22	02/07/23 15:33	20

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
Dibenzofuran	ND		200	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
Diethyl phthalate	ND		100	4.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
Dimethyl phthalate	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
Fluoranthene	ND		100	8.0	ug/L		02/06/23 08:22	02/07/23 15:33	20
Fluorene	ND		100	7.2	ug/L		02/06/23 08:22	02/07/23 15:33	20
Hexachlorobenzene	ND		100	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
Hexachlorobutadiene	ND		100	14	ug/L		02/06/23 08:22	02/07/23 15:33	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
Hexachloroethane	ND		100	12	ug/L		02/06/23 08:22	02/07/23 15:33	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		02/06/23 08:22	02/07/23 15:33	20
Isophorone	ND		100	8.6	ug/L		02/06/23 08:22	02/07/23 15:33	20
Naphthalene	ND		100	15	ug/L		02/06/23 08:22	02/07/23 15:33	20
Nitrobenzene	ND		100	5.8	ug/L		02/06/23 08:22	02/07/23 15:33	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		02/06/23 08:22	02/07/23 15:33	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		02/06/23 08:22	02/07/23 15:33	20
Pentachlorophenol	ND		200	44	ug/L		02/06/23 08:22	02/07/23 15:33	20
Phenanthrene	ND		100	8.8	ug/L		02/06/23 08:22	02/07/23 15:33	20
Phenol	ND		100	7.8	ug/L		02/06/23 08:22	02/07/23 15:33	20
Pyrene	ND		100	6.8	ug/L		02/06/23 08:22	02/07/23 15:33	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	0	S1-	41 - 120	02/06/23 08:22	02/07/23 15:33	20
2-Fluorobiphenyl	83		48 - 120	02/06/23 08:22	02/07/23 15:33	20
2-Fluorophenol	80		35 - 120	02/06/23 08:22	02/07/23 15:33	20
Nitrobenzene-d5	52		46 - 120	02/06/23 08:22	02/07/23 15:33	20
Phenol-d5	58		22 - 120	02/06/23 08:22	02/07/23 15:33	20
p-Terphenyl-d14	85		60 - 148	02/06/23 08:22	02/07/23 15:33	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.071	J	0.20	0.060	mg/L		02/06/23 09:30	02/06/23 17:28	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 17:28	1
Arsenic	0.015		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 17:28	1
Barium	0.022		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 17:28	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 17:28	1
Cadmium	ND		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 17:28	1
Calcium	357		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:28	1
Chromium	0.0019	J	0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 17:28	1
Cobalt	0.0014	J	0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 17:28	1
Copper	0.0041	J	0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 17:28	1
Iron	7.3		0.050	0.019	mg/L		02/06/23 09:30	02/06/23 17:28	1
Lead	ND		0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 17:28	1
Magnesium	136		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 17:28	1
Manganese	0.60	B	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 17:28	1
Nickel	0.0065	J	0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 17:28	1
Potassium	3.0		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:28	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 17:28	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 17:28	1
Sodium	169		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 17:28	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 17:28	1
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 17:28	1
Zinc	0.0052	J	0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 17:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:57	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Date Collected: 02/02/23 12:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/23 15:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/23 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/06/23 15:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/23 15:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/23 15:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/23 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/06/23 15:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/06/23 15:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/06/23 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/06/23 15:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/23 15:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/23 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/06/23 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/06/23 15:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/23 15:47	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/23 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/23 15:47	1
Acetone	ND		10	3.0	ug/L			02/06/23 15:47	1
Benzene	ND		1.0	0.41	ug/L			02/06/23 15:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/23 15:47	1
Bromoform	ND		1.0	0.26	ug/L			02/06/23 15:47	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/23 15:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/23 15:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/23 15:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/23 15:47	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/23 15:47	1
Chloroform	ND		1.0	0.34	ug/L			02/06/23 15:47	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/23 15:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/23 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/23 15:47	1
Cyclohexane	ND		1.0	0.18	ug/L			02/06/23 15:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/23 15:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/06/23 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/23 15:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/06/23 15:47	1
Methyl acetate	ND		2.5	1.3	ug/L			02/06/23 15:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/06/23 15:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/06/23 15:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/23 15:47	1
Styrene	ND		1.0	0.73	ug/L			02/06/23 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/23 15:47	1
Toluene	ND		1.0	0.51	ug/L			02/06/23 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/23 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/23 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/23 15:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/06/23 15:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/23 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/23 15:47	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Date Collected: 02/02/23 12:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		02/06/23 15:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		02/06/23 15:47	1
Toluene-d8 (Surr)	105		80 - 120		02/06/23 15:47	1
Dibromofluoromethane (Surr)	104		75 - 123		02/06/23 15:47	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 16:01	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Nitroaniline	ND		10	0.42	ug/L		02/06/23 08:22	02/07/23 16:01	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 16:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 16:01	1
3-Nitroaniline	ND		10	0.48	ug/L		02/06/23 08:22	02/07/23 16:01	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Methylphenol	ND		10	0.36	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Nitroaniline	ND		10	0.25	ug/L		02/06/23 08:22	02/07/23 16:01	1
4-Nitrophenol	ND		10	1.5	ug/L		02/06/23 08:22	02/07/23 16:01	1
Acenaphthene	ND		5.0	0.41	ug/L		02/06/23 08:22	02/07/23 16:01	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/06/23 08:22	02/07/23 16:01	1
Acetophenone	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 16:01	1
Aniline	ND		10	0.61	ug/L		02/06/23 08:22	02/07/23 16:01	1
Anthracene	ND		5.0	0.28	ug/L		02/06/23 08:22	02/07/23 16:01	1
Atrazine	ND	+	5.0	0.46	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 16:01	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/06/23 08:22	02/07/23 16:01	1
Biphenyl	ND		5.0	0.65	ug/L		02/06/23 08:22	02/07/23 16:01	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/06/23 08:22	02/07/23 16:01	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 16:01	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 16:01	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 16:01	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/06/23 08:22	02/07/23 16:01	1
Caprolactam	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 16:01	1
Carbazole	ND		5.0	0.30	ug/L		02/06/23 08:22	02/07/23 16:01	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Date Collected: 02/02/23 12:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/06/23 08:22	02/07/23 16:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/06/23 08:22	02/07/23 16:01	1
Dibenzofuran	ND		10	0.51	ug/L		02/06/23 08:22	02/07/23 16:01	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/06/23 08:22	02/07/23 16:01	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 16:01	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/06/23 08:22	02/07/23 16:01	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 16:01	1
Fluoranthene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 16:01	1
Fluorene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 16:01	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 16:01	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/06/23 08:22	02/07/23 16:01	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 16:01	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 16:01	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 16:01	1
Isophorone	ND		5.0	0.43	ug/L		02/06/23 08:22	02/07/23 16:01	1
Naphthalene	ND		5.0	0.76	ug/L		02/06/23 08:22	02/07/23 16:01	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/06/23 08:22	02/07/23 16:01	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 16:01	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 16:01	1
Pentachlorophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 16:01	1
Phenanthrene	ND		5.0	0.44	ug/L		02/06/23 08:22	02/07/23 16:01	1
Phenol	ND		5.0	0.39	ug/L		02/06/23 08:22	02/07/23 16:01	1
Pyrene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		41 - 120	02/06/23 08:22	02/07/23 16:01	1
2-Fluorobiphenyl	77		48 - 120	02/06/23 08:22	02/07/23 16:01	1
2-Fluorophenol	47		35 - 120	02/06/23 08:22	02/07/23 16:01	1
Nitrobenzene-d5	55		46 - 120	02/06/23 08:22	02/07/23 16:01	1
Phenol-d5	35		22 - 120	02/06/23 08:22	02/07/23 16:01	1
p-Terphenyl-d14	80		60 - 148	02/06/23 08:22	02/07/23 16:01	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/06/23 09:30	02/06/23 17:44	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 17:44	1
Arsenic	ND		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 17:44	1
Barium	0.033		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 17:44	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 17:44	1
Cadmium	ND		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 17:44	1
Calcium	71.3		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:44	1
Chromium	0.0029	J	0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 17:44	1
Cobalt	ND		0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 17:44	1
Copper	0.0034	J	0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 17:44	1
Iron	0.048	J	0.050	0.019	mg/L		02/06/23 09:30	02/06/23 17:44	1
Lead	ND		0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 17:44	1
Magnesium	9.7		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 17:44	1
Manganese	0.0064	B	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 17:44	1
Nickel	0.0066	J	0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 17:44	1
Potassium	1.1		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 17:44	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Date Collected: 02/02/23 12:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 17:44	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 17:44	1
Sodium	52.6		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 17:44	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 17:44	1
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 17:44	1
Zinc	0.0027	J	0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 17:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:58	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-205912-6

Date Collected: 02/02/23 00:00

Matrix: Water

Date Received: 02/02/23 16:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/23 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/23 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/06/23 16:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/23 16:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/23 16:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/23 16:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/06/23 16:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/06/23 16:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/06/23 16:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/06/23 16:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/23 16:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/23 16:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/06/23 16:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/06/23 16:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/23 16:10	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/23 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/23 16:10	1
Acetone	ND		10	3.0	ug/L			02/06/23 16:10	1
Benzene	ND		1.0	0.41	ug/L			02/06/23 16:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/23 16:10	1
Bromoform	ND		1.0	0.26	ug/L			02/06/23 16:10	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/23 16:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/23 16:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/23 16:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/23 16:10	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/23 16:10	1
Chloroform	ND		1.0	0.34	ug/L			02/06/23 16:10	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/23 16:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/23 16:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/23 16:10	1
Cyclohexane	ND		1.0	0.18	ug/L			02/06/23 16:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/23 16:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/06/23 16:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/23 16:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/06/23 16:10	1
Methyl acetate	ND		2.5	1.3	ug/L			02/06/23 16:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/06/23 16:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/06/23 16:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/23 16:10	1
Styrene	ND		1.0	0.73	ug/L			02/06/23 16:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/23 16:10	1
Toluene	ND		1.0	0.51	ug/L			02/06/23 16:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/23 16:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/23 16:10	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/23 16:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/06/23 16:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/23 16:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/23 16:10	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-205912-6

Date Collected: 02/02/23 00:00

Matrix: Water

Date Received: 02/02/23 16:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		02/06/23 16:10	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/06/23 16:10	1
Toluene-d8 (Surr)	106		80 - 120		02/06/23 16:10	1
Dibromofluoromethane (Surr)	104		75 - 123		02/06/23 16:10	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-205912-1	BCC Area E MW-E05 D	116	98	107	107
480-205912-2	BCC Area E MW-E05	108	100	104	104
480-205912-2 MS	BCC Area E MW-E05_MS	107	96	104	101
480-205912-2 MSD	BCC Area E MW-E05_MSD	103	92	102	98
480-205912-3	BCC Area E RFI-29	112	96	104	104
480-205912-4	BCC Area E RFI-32A	115	99	104	105
480-205912-5	BCC Area E RFI-33	112	98	105	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-205912-6	TRIP BLANK	108	96	106	104
LCS 480-657925/5	Lab Control Sample	112	101	108	108
LCS 480-658027/5	Lab Control Sample	110	101	104	103
LCS 480-658514/5	Lab Control Sample	108	100	105	101
MB 480-657925/7	Method Blank	116	100	109	106
MB 480-658027/7	Method Blank	108	95	102	106
MB 480-658514/7	Method Blank	106	96	103	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-205912-1	BCC Area E MW-E05 D	0 S1-	71	72	62	0 S1-	79
480-205912-2	BCC Area E MW-E05	123 S1+	112	81	92	61	98
480-205912-2 MS	BCC Area E MW-E05_MS	114	105	75	93	61	90
480-205912-2 MSD	BCC Area E MW-E05_MSD	108	96	65	84	53	84
480-205912-3	BCC Area E RFI-29	108	100	74	79	54	88
480-205912-4	BCC Area E RFI-32A	0 S1-	83	80	52	58	85
480-205912-5	BCC Area E RFI-33	74	77	47	55	35	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol

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Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
LCS 480-657929/2-A	Lab Control Sample	106	110	77	93	60	106
MB 480-657929/1-A	Method Blank	94	108	81	84	58	106

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-657925/7
Matrix: Water
Analysis Batch: 657925

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/23 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/23 10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/06/23 10:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/23 10:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/23 10:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/23 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/06/23 10:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/06/23 10:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/06/23 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/06/23 10:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/23 10:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/23 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/06/23 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/06/23 10:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/23 10:14	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/23 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/23 10:14	1
Acetone	ND		10	3.0	ug/L			02/06/23 10:14	1
Benzene	ND		1.0	0.41	ug/L			02/06/23 10:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/23 10:14	1
Bromoform	ND		1.0	0.26	ug/L			02/06/23 10:14	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/23 10:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/23 10:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/23 10:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/23 10:14	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/23 10:14	1
Chloroform	ND		1.0	0.34	ug/L			02/06/23 10:14	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/23 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/23 10:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/23 10:14	1
Cyclohexane	ND		1.0	0.18	ug/L			02/06/23 10:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/23 10:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/06/23 10:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/23 10:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/06/23 10:14	1
Methyl acetate	ND		2.5	1.3	ug/L			02/06/23 10:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/06/23 10:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/06/23 10:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/23 10:14	1
Styrene	ND		1.0	0.73	ug/L			02/06/23 10:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/23 10:14	1
Toluene	ND		1.0	0.51	ug/L			02/06/23 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/23 10:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/23 10:14	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/23 10:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/06/23 10:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/23 10:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/23 10:14	1

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: MB 480-657925/7
Matrix: Water
Analysis Batch: 657925

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		02/06/23 10:14	1
4-Bromofluorobenzene (Surr)	100		73 - 120		02/06/23 10:14	1
Toluene-d8 (Surr)	109		80 - 120		02/06/23 10:14	1
Dibromofluoromethane (Surr)	106		75 - 123		02/06/23 10:14	1

Lab Sample ID: LCS 480-657925/5
Matrix: Water
Analysis Batch: 657925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		103	56 - 134
1,2-Dibromoethane	25.0	23.3		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120
2-Butanone (MEK)	125	134		ug/L		108	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	29.1		ug/L		116	61 - 132
Bromomethane	25.0	21.6		ug/L		86	55 - 144
Carbon disulfide	25.0	20.7		ug/L		83	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Chloroethane	25.0	21.2		ug/L		85	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	18.8		ug/L		75	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	18.4		ug/L		74	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	46.4		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	22.5		ug/L		90	77 - 120
Methylcyclohexane	25.0	25.0		ug/L		100	68 - 134

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: LCS 480-657925/5
Matrix: Water
Analysis Batch: 657925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	22.6		ug/L		90	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	22.5		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	23.6		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	23.6		ug/L		95	62 - 150
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133
Xylenes, Total	50.0	48.1		ug/L		96	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	108		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

Lab Sample ID: MB 480-658027/7
Matrix: Water
Analysis Batch: 658027

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/07/23 10:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/07/23 10:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/07/23 10:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/07/23 10:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/07/23 10:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/07/23 10:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/07/23 10:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/07/23 10:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/07/23 10:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/07/23 10:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/07/23 10:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/07/23 10:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/07/23 10:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/07/23 10:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/07/23 10:19	1
2-Hexanone	ND		5.0	1.2	ug/L			02/07/23 10:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/07/23 10:19	1
Acetone	ND		10	3.0	ug/L			02/07/23 10:19	1
Benzene	ND		1.0	0.41	ug/L			02/07/23 10:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/07/23 10:19	1
Bromoform	ND		1.0	0.26	ug/L			02/07/23 10:19	1
Bromomethane	ND		1.0	0.69	ug/L			02/07/23 10:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/07/23 10:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/07/23 10:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/07/23 10:19	1
Chloroethane	ND		1.0	0.32	ug/L			02/07/23 10:19	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: MB 480-658027/7
Matrix: Water
Analysis Batch: 658027

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			02/07/23 10:19	1
Chloromethane	ND		1.0	0.35	ug/L			02/07/23 10:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/07/23 10:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/07/23 10:19	1
Cyclohexane	ND		1.0	0.18	ug/L			02/07/23 10:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/07/23 10:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/07/23 10:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/07/23 10:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/07/23 10:19	1
Methyl acetate	ND		2.5	1.3	ug/L			02/07/23 10:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/07/23 10:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/07/23 10:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/07/23 10:19	1
Styrene	ND		1.0	0.73	ug/L			02/07/23 10:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/07/23 10:19	1
Toluene	ND		1.0	0.51	ug/L			02/07/23 10:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/07/23 10:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/07/23 10:19	1
Trichloroethene	ND		1.0	0.46	ug/L			02/07/23 10:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/07/23 10:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/07/23 10:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/07/23 10:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		02/07/23 10:19	1
4-Bromofluorobenzene (Surr)	95		73 - 120		02/07/23 10:19	1
Toluene-d8 (Surr)	102		80 - 120		02/07/23 10:19	1
Dibromofluoromethane (Surr)	106		75 - 123		02/07/23 10:19	1

Lab Sample ID: LCS 480-658027/5
Matrix: Water
Analysis Batch: 658027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.1		ug/L		92	73 - 126
1,1,1,2-Tetrachloroethane	25.0	22.5		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.8		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	21.1		ug/L		85	77 - 120
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.9		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	22.6		ug/L		90	77 - 120
1,2-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 124
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	22.6		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: LCS 480-658027/5

Matrix: Water

Analysis Batch: 658027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	118		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	141		ug/L		113	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	25.0	20.2		ug/L		81	59 - 134
Carbon tetrachloride	25.0	23.8		ug/L		95	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	21.0		ug/L		84	73 - 127
Chloromethane	25.0	17.2		ug/L		69	68 - 124
cis-1,2-Dichloroethene	25.0	21.5		ug/L		86	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	22.0		ug/L		88	59 - 135
Dibromochloromethane	25.0	24.8		ug/L		99	75 - 125
Dichlorodifluoromethane	25.0	15.8		ug/L		63	59 - 135
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
Methyl acetate	50.0	44.0		ug/L		88	74 - 133
Methyl tert-butyl ether	25.0	21.4		ug/L		86	77 - 120
Methylcyclohexane	25.0	23.2		ug/L		93	68 - 134
Methylene Chloride	25.0	22.6		ug/L		91	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150
Vinyl chloride	25.0	19.8		ug/L		79	65 - 133
Xylenes, Total	50.0	45.8		ug/L		92	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-205912-2 MS

Matrix: Ground Water

Analysis Batch: 658027

Client Sample ID: BCC Area E MW-E05_MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	23.8		ug/L		95	73 - 126
1,1,1,2-Tetrachloroethane	ND		25.0	23.7		ug/L		95	76 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MS

Client Sample ID: BCC Area E MW-E05_MS

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 658027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	21.1		ug/L		84	61 - 148
1,1,2-Trichloroethane	ND		25.0	26.1		ug/L		104	76 - 122
1,1-Dichloroethane	ND		25.0	21.7		ug/L		87	77 - 120
1,1-Dichloroethene	ND		25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	24.6		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.6		ug/L		102	56 - 134
1,2-Dibromoethane	ND		25.0	24.4		ug/L		98	77 - 120
1,2-Dichlorobenzene	ND		25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	ND		25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	ND		25.0	24.7		ug/L		99	76 - 120
1,3-Dichlorobenzene	ND		25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	ND		25.0	23.1		ug/L		93	78 - 124
2-Butanone (MEK)	ND		125	150		ug/L		120	57 - 140
2-Hexanone	ND		125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		105	71 - 125
Acetone	ND		125	155		ug/L		124	56 - 142
Benzene	ND		25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	ND		25.0	23.9		ug/L		96	80 - 122
Bromoform	ND		25.0	23.9		ug/L		96	61 - 132
Bromomethane	ND		25.0	20.4		ug/L		82	55 - 144
Carbon disulfide	ND		25.0	19.4		ug/L		78	59 - 134
Carbon tetrachloride	ND		25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	4.0		25.0	28.7		ug/L		99	80 - 120
Chloroethane	ND		25.0	20.8		ug/L		83	69 - 136
Chloroform	ND		25.0	21.9		ug/L		88	73 - 127
Chloromethane	ND	F1	25.0	16.8	F1	ug/L		67	68 - 124
cis-1,2-Dichloroethene	ND		25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.0		ug/L		100	74 - 124
Cyclohexane	ND		25.0	20.5		ug/L		82	59 - 135
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125
Dichlorodifluoromethane	ND	F1	25.0	12.6	F1	ug/L		50	59 - 135
Ethylbenzene	ND		25.0	25.3		ug/L		101	77 - 123
Isopropylbenzene	ND		25.0	25.1		ug/L		100	77 - 122
Methyl acetate	ND		50.0	47.2		ug/L		94	74 - 133
Methyl tert-butyl ether	ND		25.0	22.0		ug/L		88	77 - 120
Methylcyclohexane	ND		25.0	22.2		ug/L		89	68 - 134
Methylene Chloride	ND		25.0	22.5		ug/L		90	75 - 124
Styrene	ND		25.0	25.4		ug/L		101	80 - 120
Tetrachloroethene	ND		25.0	24.9		ug/L		100	74 - 122
Toluene	ND		25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	ND		25.0	22.1		ug/L		89	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.4		ug/L		102	80 - 120
Trichloroethene	ND		25.0	23.4		ug/L		94	74 - 123
Trichlorofluoromethane	ND		25.0	21.9		ug/L		88	62 - 150
Vinyl chloride	ND		25.0	20.0		ug/L		80	65 - 133
Xylenes, Total	ND		50.0	48.8		ug/L		98	76 - 122

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MS
Matrix: Ground Water
Analysis Batch: 658027

Client Sample ID: BCC Area E MW-E05_MS
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-205912-2 MSD
Matrix: Ground Water
Analysis Batch: 658027

Client Sample ID: BCC Area E MW-E05_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	22.9		ug/L		92	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.2		ug/L		93	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	19.4		ug/L		78	61 - 148	8	20
1,1,2-Trichloroethane	ND		25.0	25.6		ug/L		102	76 - 122	2	15
1,1-Dichloroethane	ND		25.0	20.9		ug/L		83	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	21.8		ug/L		87	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	23.3		ug/L		93	79 - 122	5	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.5		ug/L		110	56 - 134	7	15
1,2-Dibromoethane	ND		25.0	24.1		ug/L		96	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	22.5		ug/L		90	80 - 124	5	20
1,2-Dichloroethane	ND		25.0	22.9		ug/L		91	75 - 120	6	20
1,2-Dichloropropane	ND		25.0	22.2		ug/L		89	76 - 120	11	20
1,3-Dichlorobenzene	ND		25.0	22.8		ug/L		91	77 - 120	7	20
1,4-Dichlorobenzene	ND		25.0	22.3		ug/L		89	78 - 124	4	20
2-Butanone (MEK)	ND		125	148		ug/L		118	57 - 140	1	20
2-Hexanone	ND		125	138		ug/L		111	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		105	71 - 125	0	35
Acetone	ND		125	154		ug/L		124	56 - 142	0	15
Benzene	ND		25.0	22.7		ug/L		91	71 - 124	5	13
Bromodichloromethane	ND		25.0	23.2		ug/L		93	80 - 122	3	15
Bromoform	ND		25.0	24.0		ug/L		96	61 - 132	0	15
Bromomethane	ND		25.0	21.9		ug/L		87	55 - 144	7	15
Carbon disulfide	ND		25.0	18.9		ug/L		76	59 - 134	2	15
Carbon tetrachloride	ND		25.0	23.3		ug/L		93	72 - 134	4	15
Chlorobenzene	4.0		25.0	27.9		ug/L		96	80 - 120	3	25
Chloroethane	ND		25.0	22.7		ug/L		91	69 - 136	9	15
Chloroform	ND		25.0	20.9		ug/L		84	73 - 127	5	20
Chloromethane	ND	F1	25.0	18.1		ug/L		73	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	21.3		ug/L		85	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	23.4		ug/L		94	74 - 124	7	15
Cyclohexane	ND		25.0	19.9		ug/L		80	59 - 135	3	20
Dibromochloromethane	ND		25.0	24.0		ug/L		96	75 - 125	0	15
Dichlorodifluoromethane	ND	F1	25.0	15.2		ug/L		61	59 - 135	19	20
Ethylbenzene	ND		25.0	23.8		ug/L		95	77 - 123	6	15
Isopropylbenzene	ND		25.0	23.9		ug/L		96	77 - 122	5	20
Methyl acetate	ND		50.0	45.2		ug/L		90	74 - 133	5	20
Methyl tert-butyl ether	ND		25.0	21.3		ug/L		85	77 - 120	3	37
Methylcyclohexane	ND		25.0	21.8		ug/L		87	68 - 134	2	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MSD
Matrix: Ground Water
Analysis Batch: 658027

Client Sample ID: BCC Area E MW-E05_MSD
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	ND		25.0	22.1		ug/L		88	75 - 124	2	15
Styrene	ND		25.0	24.3		ug/L		97	80 - 120	4	20
Tetrachloroethene	ND		25.0	24.1		ug/L		96	74 - 122	3	20
Toluene	ND		25.0	23.9		ug/L		96	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	21.1		ug/L		84	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	24.6		ug/L		99	80 - 120	3	15
Trichloroethene	ND		25.0	22.4		ug/L		90	74 - 123	4	16
Trichlorofluoromethane	ND		25.0	23.8		ug/L		95	62 - 150	8	20
Vinyl chloride	ND		25.0	21.7		ug/L		87	65 - 133	8	15
Xylenes, Total	ND		50.0	47.0		ug/L		94	76 - 122	4	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: MB 480-658514/7
Matrix: Water
Analysis Batch: 658514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		02/13/23 10:14	10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		02/13/23 10:14	10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L		02/13/23 10:14	10:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		02/13/23 10:14	10:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		02/13/23 10:14	10:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		02/13/23 10:14	10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L		02/13/23 10:14	10:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L		02/13/23 10:14	10:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L		02/13/23 10:14	10:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L		02/13/23 10:14	10:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		02/13/23 10:14	10:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		02/13/23 10:14	10:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L		02/13/23 10:14	10:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L		02/13/23 10:14	10:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L		02/13/23 10:14	10:14	1
2-Hexanone	ND		5.0	1.2	ug/L		02/13/23 10:14	10:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		02/13/23 10:14	10:14	1
Acetone	ND		10	3.0	ug/L		02/13/23 10:14	10:14	1
Benzene	ND		1.0	0.41	ug/L		02/13/23 10:14	10:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L		02/13/23 10:14	10:14	1
Bromoform	ND		1.0	0.26	ug/L		02/13/23 10:14	10:14	1
Bromomethane	ND		1.0	0.69	ug/L		02/13/23 10:14	10:14	1
Carbon disulfide	ND		1.0	0.19	ug/L		02/13/23 10:14	10:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L		02/13/23 10:14	10:14	1
Chlorobenzene	ND		1.0	0.75	ug/L		02/13/23 10:14	10:14	1
Chloroethane	ND		1.0	0.32	ug/L		02/13/23 10:14	10:14	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: MB 480-658514/7
Matrix: Water
Analysis Batch: 658514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			02/13/23 10:14	1
Chloromethane	ND		1.0	0.35	ug/L			02/13/23 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/13/23 10:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/13/23 10:14	1
Cyclohexane	ND		1.0	0.18	ug/L			02/13/23 10:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/13/23 10:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/13/23 10:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/13/23 10:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/13/23 10:14	1
Methyl acetate	ND		2.5	1.3	ug/L			02/13/23 10:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/13/23 10:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/13/23 10:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/13/23 10:14	1
Styrene	ND		1.0	0.73	ug/L			02/13/23 10:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/13/23 10:14	1
Toluene	ND		1.0	0.51	ug/L			02/13/23 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/13/23 10:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/13/23 10:14	1
Trichloroethene	ND		1.0	0.46	ug/L			02/13/23 10:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/13/23 10:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/13/23 10:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/13/23 10:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		02/13/23 10:14	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/13/23 10:14	1
Toluene-d8 (Surr)	103		80 - 120		02/13/23 10:14	1
Dibromofluoromethane (Surr)	106		75 - 123		02/13/23 10:14	1

Lab Sample ID: LCS 480-658514/5
Matrix: Water
Analysis Batch: 658514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.6		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		87	61 - 148
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	21.1		ug/L		84	77 - 120
1,1-Dichloroethene	25.0	21.3		ug/L		85	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.2		ug/L		109	56 - 134
1,2-Dibromoethane	25.0	24.4		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		91	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: LCS 480-658514/5
Matrix: Water
Analysis Batch: 658514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	140		ug/L		112	57 - 140
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	29.4		ug/L		118	61 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	20.1		ug/L		80	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Chloroethane	25.0	20.8		ug/L		83	69 - 136
Chloroform	25.0	21.7		ug/L		87	73 - 127
Chloromethane	25.0	17.5		ug/L		70	68 - 124
cis-1,2-Dichloroethene	25.0	21.5		ug/L		86	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	21.3		ug/L		85	59 - 135
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	19.8		ug/L		79	59 - 135
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123
Isopropylbenzene	25.0	25.0		ug/L		100	77 - 122
Methyl acetate	50.0	50.8		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	22.2		ug/L		89	77 - 120
Methylcyclohexane	25.0	21.9		ug/L		88	68 - 134
Methylene Chloride	25.0	22.1		ug/L		88	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	26.9		ug/L		108	80 - 120
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	23.0		ug/L		92	62 - 150
Vinyl chloride	25.0	21.0		ug/L		84	65 - 133
Xylenes, Total	50.0	48.1		ug/L		96	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

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

Lab Sample ID: MB 480-657929/1-A
Matrix: Water
Analysis Batch: 658053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 10:53	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: MB 480-657929/1-A
Matrix: Water
Analysis Batch: 658053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657929

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/06/23 08:22	02/07/23 10:53	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 10:53	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/06/23 08:22	02/07/23 10:53	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 10:53	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 10:53	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Nitroaniline	ND		10	0.42	ug/L		02/06/23 08:22	02/07/23 10:53	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/06/23 08:22	02/07/23 10:53	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 10:53	1
3-Nitroaniline	ND		10	0.48	ug/L		02/06/23 08:22	02/07/23 10:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Methylphenol	ND		10	0.36	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Nitroaniline	ND		10	0.25	ug/L		02/06/23 08:22	02/07/23 10:53	1
4-Nitrophenol	ND		10	1.5	ug/L		02/06/23 08:22	02/07/23 10:53	1
Acenaphthene	ND		5.0	0.41	ug/L		02/06/23 08:22	02/07/23 10:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/06/23 08:22	02/07/23 10:53	1
Acetophenone	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 10:53	1
Aniline	ND		10	0.61	ug/L		02/06/23 08:22	02/07/23 10:53	1
Anthracene	ND		5.0	0.28	ug/L		02/06/23 08:22	02/07/23 10:53	1
Atrazine	ND		5.0	0.46	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 10:53	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/06/23 08:22	02/07/23 10:53	1
Biphenyl	ND		5.0	0.65	ug/L		02/06/23 08:22	02/07/23 10:53	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/06/23 08:22	02/07/23 10:53	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/06/23 08:22	02/07/23 10:53	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 10:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 10:53	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/06/23 08:22	02/07/23 10:53	1
Caprolactam	ND		5.0	2.2	ug/L		02/06/23 08:22	02/07/23 10:53	1
Carbazole	ND		5.0	0.30	ug/L		02/06/23 08:22	02/07/23 10:53	1
Chrysene	ND		5.0	0.33	ug/L		02/06/23 08:22	02/07/23 10:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/06/23 08:22	02/07/23 10:53	1
Dibenzofuran	ND		10	0.51	ug/L		02/06/23 08:22	02/07/23 10:53	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/06/23 08:22	02/07/23 10:53	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 10:53	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/06/23 08:22	02/07/23 10:53	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 10:53	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: MB 480-657929/1-A
Matrix: Water
Analysis Batch: 658053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		02/06/23 08:22	02/07/23 10:53	1
Fluorene	ND		5.0	0.36	ug/L		02/06/23 08:22	02/07/23 10:53	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 10:53	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/06/23 08:22	02/07/23 10:53	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 10:53	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/06/23 08:22	02/07/23 10:53	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/06/23 08:22	02/07/23 10:53	1
Isophorone	ND		5.0	0.43	ug/L		02/06/23 08:22	02/07/23 10:53	1
Naphthalene	ND		5.0	0.76	ug/L		02/06/23 08:22	02/07/23 10:53	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/06/23 08:22	02/07/23 10:53	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/06/23 08:22	02/07/23 10:53	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/06/23 08:22	02/07/23 10:53	1
Pentachlorophenol	ND		10	2.2	ug/L		02/06/23 08:22	02/07/23 10:53	1
Phenanthrene	ND		5.0	0.44	ug/L		02/06/23 08:22	02/07/23 10:53	1
Phenol	ND		5.0	0.39	ug/L		02/06/23 08:22	02/07/23 10:53	1
Pyrene	ND		5.0	0.34	ug/L		02/06/23 08:22	02/07/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		41 - 120	02/06/23 08:22	02/07/23 10:53	1
2-Fluorobiphenyl	108		48 - 120	02/06/23 08:22	02/07/23 10:53	1
2-Fluorophenol	81		35 - 120	02/06/23 08:22	02/07/23 10:53	1
Nitrobenzene-d5	84		46 - 120	02/06/23 08:22	02/07/23 10:53	1
Phenol-d5	58		22 - 120	02/06/23 08:22	02/07/23 10:53	1
p-Terphenyl-d14	106		60 - 148	02/06/23 08:22	02/07/23 10:53	1

Lab Sample ID: LCS 480-657929/2-A
Matrix: Water
Analysis Batch: 658053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	32.0	35.5		ug/L		111	65 - 126
2,4,6-Trichlorophenol	32.0	35.3		ug/L		110	64 - 120
2,4-Dichlorophenol	32.0	29.2		ug/L		91	63 - 120
2,4-Dimethylphenol	32.0	29.5		ug/L		92	47 - 120
2,4-Dinitrophenol	64.0	67.7		ug/L		106	31 - 137
2,4-Dinitrotoluene	32.0	34.9		ug/L		109	69 - 120
2,6-Dinitrotoluene	32.0	35.7		ug/L		112	68 - 120
2-Chloronaphthalene	32.0	31.5		ug/L		98	58 - 120
2-Chlorophenol	32.0	28.3		ug/L		88	48 - 120
2-Methylnaphthalene	32.0	27.6		ug/L		86	59 - 120
2-Methylphenol	32.0	28.3		ug/L		88	39 - 120
2-Nitroaniline	32.0	35.8		ug/L		112	54 - 127
2-Nitrophenol	32.0	28.3		ug/L		88	52 - 125
3,3'-Dichlorobenzidine	64.0	57.8		ug/L		90	49 - 135
3-Nitroaniline	32.0	27.6		ug/L		86	51 - 120
4,6-Dinitro-2-methylphenol	64.0	75.3		ug/L		118	46 - 136
4-Bromophenyl phenyl ether	32.0	32.5		ug/L		102	65 - 120
4-Chloro-3-methylphenol	32.0	31.5		ug/L		98	61 - 123

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: LCS 480-657929/2-A

Matrix: Water

Analysis Batch: 658053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 657929

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
4-Chloroaniline	32.0	19.8		ug/L		62	30 - 120
4-Chlorophenyl phenyl ether	32.0	33.0		ug/L		103	62 - 120
4-Methylphenol	32.0	25.8		ug/L		81	29 - 131
4-Nitroaniline	32.0	32.8		ug/L		102	65 - 120
4-Nitrophenol	64.0	65.2		ug/L		102	45 - 120
Acenaphthene	32.0	31.1		ug/L		97	60 - 120
Acenaphthylene	32.0	34.6		ug/L		108	63 - 120
Acetophenone	32.0	30.8		ug/L		96	45 - 120
Aniline	32.0	15.7		ug/L		49	12 - 120
Anthracene	32.0	33.3		ug/L		104	67 - 120
Atrazine	64.0	85.6	*+	ug/L		134	71 - 130
Benzaldehyde	64.0	64.9		ug/L		101	10 - 140
Benzo(a)anthracene	32.0	34.1		ug/L		107	70 - 121
Benzo(a)pyrene	32.0	31.6		ug/L		99	60 - 123
Benzo(b)fluoranthene	32.0	29.9		ug/L		93	66 - 126
Benzo(g,h,i)perylene	32.0	31.0		ug/L		97	66 - 150
Benzo(k)fluoranthene	32.0	30.9		ug/L		97	65 - 124
Biphenyl	32.0	30.3		ug/L		95	59 - 120
bis (2-chloroisopropyl) ether	32.0	25.3		ug/L		79	21 - 136
Bis(2-chloroethoxy)methane	32.0	26.5		ug/L		83	50 - 128
Bis(2-chloroethyl)ether	32.0	30.7		ug/L		96	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.9		ug/L		109	63 - 139
Butyl benzyl phthalate	32.0	35.2		ug/L		110	70 - 129
Caprolactam	64.0	22.9		ug/L		36	22 - 120
Carbazole	32.0	33.5		ug/L		105	66 - 123
Chrysene	32.0	32.3		ug/L		101	69 - 120
Dibenz(a,h)anthracene	32.0	32.4		ug/L		101	65 - 135
Dibenzofuran	32.0	33.1		ug/L		103	66 - 120
Diethyl phthalate	32.0	37.8		ug/L		118	59 - 127
Dimethyl phthalate	32.0	35.2		ug/L		110	68 - 120
Di-n-butyl phthalate	32.0	34.6		ug/L		108	69 - 131
Di-n-octyl phthalate	32.0	35.3		ug/L		110	63 - 140
Fluoranthene	32.0	33.3		ug/L		104	69 - 126
Fluorene	32.0	33.1		ug/L		104	66 - 120
Hexachlorobenzene	32.0	33.3		ug/L		104	61 - 120
Hexachlorobutadiene	32.0	23.1		ug/L		72	35 - 120
Hexachlorocyclopentadiene	32.0	28.4		ug/L		89	31 - 120
Hexachloroethane	32.0	25.0		ug/L		78	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	32.8		ug/L		102	69 - 146
Isophorone	32.0	28.6		ug/L		89	55 - 120
Naphthalene	32.0	27.0		ug/L		84	57 - 120
Nitrobenzene	32.0	28.5		ug/L		89	53 - 123
N-Nitrosodi-n-propylamine	32.0	29.1		ug/L		91	32 - 140
N-Nitrosodiphenylamine	32.0	31.8		ug/L		99	61 - 120
Pentachlorophenol	64.0	59.7		ug/L		93	29 - 136
Phenanthrene	32.0	33.6		ug/L		105	68 - 120
Phenol	32.0	19.5		ug/L		61	17 - 120
Pyrene	32.0	34.0		ug/L		106	70 - 125

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: LCS 480-657929/2-A
Matrix: Water
Analysis Batch: 658053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657929

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	106		41 - 120
2-Fluorobiphenyl	110		48 - 120
2-Fluorophenol	77		35 - 120
Nitrobenzene-d5	93		46 - 120
Phenol-d5	60		22 - 120
p-Terphenyl-d14	106		60 - 148

Lab Sample ID: 480-205912-2 MS
Matrix: Ground Water
Analysis Batch: 658053

Client Sample ID: BCC Area E MW-E05_MS
Prep Type: Total/NA
Prep Batch: 657929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
2,4,5-Trichlorophenol	ND		32.0	34.0		ug/L		106	65 - 126
2,4,6-Trichlorophenol	ND		32.0	32.7		ug/L		102	64 - 120
2,4-Dichlorophenol	ND		32.0	31.5		ug/L		99	48 - 132
2,4-Dimethylphenol	ND		32.0	30.7		ug/L		96	39 - 130
2,4-Dinitrophenol	ND		64.0	74.2		ug/L		116	21 - 150
2,4-Dinitrotoluene	ND		32.0	34.1		ug/L		107	54 - 138
2,6-Dinitrotoluene	ND		32.0	34.5		ug/L		108	17 - 150
2-Chloronaphthalene	ND		32.0	30.4		ug/L		95	52 - 124
2-Chlorophenol	ND		32.0	28.2		ug/L		88	48 - 120
2-Methylnaphthalene	ND		32.0	27.7		ug/L		87	34 - 140
2-Methylphenol	ND		32.0	27.7		ug/L		87	46 - 120
2-Nitroaniline	ND		32.0	33.8		ug/L		106	44 - 136
2-Nitrophenol	ND		32.0	30.3		ug/L		95	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	43.0		ug/L		67	10 - 150
3-Nitroaniline	ND		32.0	24.9		ug/L		78	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	86.4		ug/L		135	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	34.2		ug/L		107	63 - 126
4-Chloro-3-methylphenol	ND		32.0	31.2		ug/L		98	64 - 127
4-Chloroaniline	ND		32.0	19.8		ug/L		62	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	31.9		ug/L		100	61 - 120
4-Methylphenol	ND		32.0	27.2		ug/L		85	36 - 120
4-Nitroaniline	ND		32.0	31.9		ug/L		100	32 - 150
4-Nitrophenol	ND		64.0	64.0		ug/L		100	23 - 132
Acenaphthene	ND		32.0	32.0		ug/L		100	48 - 120
Acenaphthylene	ND		32.0	32.2		ug/L		101	63 - 120
Acetophenone	ND		32.0	31.5		ug/L		99	53 - 120
Aniline	ND		32.0	14.6		ug/L		45	32 - 120
Anthracene	ND		32.0	36.0		ug/L		112	65 - 122
Atrazine	ND	*+	64.0	82.0		ug/L		128	50 - 150
Benzaldehyde	ND		64.0	59.7		ug/L		93	10 - 150
Benzo(a)anthracene	ND		32.0	34.4		ug/L		107	43 - 124
Benzo(a)pyrene	ND		32.0	33.1		ug/L		103	23 - 125
Benzo(b)fluoranthene	ND		32.0	30.2		ug/L		94	27 - 127
Benzo(g,h,i)perylene	ND		32.0	32.1		ug/L		100	16 - 147
Benzo(k)fluoranthene	ND		32.0	31.6		ug/L		99	20 - 124
Biphenyl	ND		32.0	29.8		ug/L		93	57 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MS

Matrix: Ground Water

Analysis Batch: 658053

Client Sample ID: BCC Area E MW-E05_MS

Prep Type: Total/NA

Prep Batch: 657929

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
bis (2-chloroisopropyl) ether	ND		32.0	26.4		ug/L		83		28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	27.7		ug/L		87		44 - 128
Bis(2-chloroethyl)ether	ND		32.0	31.2		ug/L		98		45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	33.7		ug/L		105		16 - 150
Butyl benzyl phthalate	ND		32.0	35.3		ug/L		110		51 - 140
Caprolactam	ND		64.0	21.7		ug/L		34		10 - 120
Carbazole	ND		32.0	37.9		ug/L		119		16 - 148
Chrysene	ND		32.0	31.8		ug/L		99		44 - 122
Dibenz(a,h)anthracene	ND		32.0	32.9		ug/L		103		16 - 139
Dibenzofuran	ND		32.0	32.2		ug/L		101		60 - 120
Diethyl phthalate	ND		32.0	37.2		ug/L		116		53 - 133
Dimethyl phthalate	ND		32.0	34.2		ug/L		107		59 - 123
Di-n-butyl phthalate	ND		32.0	35.9		ug/L		112		65 - 129
Di-n-octyl phthalate	ND		32.0	33.3		ug/L		104		16 - 150
Fluoranthene	ND		32.0	35.6		ug/L		111		63 - 129
Fluorene	ND		32.0	33.1		ug/L		103		62 - 120
Hexachlorobenzene	ND		32.0	36.5		ug/L		114		57 - 121
Hexachlorobutadiene	ND		32.0	22.8		ug/L		71		37 - 120
Hexachlorocyclopentadiene	ND		32.0	26.2		ug/L		82		21 - 120
Hexachloroethane	ND		32.0	22.8		ug/L		71		16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	33.6		ug/L		105		16 - 140
Isophorone	ND		32.0	29.0		ug/L		91		48 - 133
Naphthalene	ND		32.0	28.3		ug/L		89		45 - 120
Nitrobenzene	ND		32.0	29.5		ug/L		92		45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	28.2		ug/L		88		49 - 120
N-Nitrosodiphenylamine	ND		32.0	34.1		ug/L		106		39 - 138
Pentachlorophenol	ND		64.0	77.7		ug/L		121		23 - 149
Phenanthrene	ND		32.0	36.1		ug/L		113		65 - 122
Phenol	ND		32.0	21.0		ug/L		66		16 - 120
Pyrene	ND		32.0	33.8		ug/L		106		58 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	114		41 - 120
2-Fluorobiphenyl	105		48 - 120
2-Fluorophenol	75		35 - 120
Nitrobenzene-d5	93		46 - 120
Phenol-d5	61		22 - 120
p-Terphenyl-d14	90		60 - 148

Lab Sample ID: 480-205912-2 MSD

Matrix: Ground Water

Analysis Batch: 658053

Client Sample ID: BCC Area E MW-E05_MSD

Prep Type: Total/NA

Prep Batch: 657929

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
2,4,5-Trichlorophenol	ND		32.0	34.5		ug/L		108		1	18
2,4,6-Trichlorophenol	ND		32.0	32.2		ug/L		101		2	19
2,4-Dichlorophenol	ND		32.0	27.4		ug/L		86		14	19
2,4-Dimethylphenol	ND		32.0	28.3		ug/L		89		8	42

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MSD

Matrix: Ground Water

Analysis Batch: 658053

Client Sample ID: BCC Area E MW-E05_MSD

Prep Type: Total/NA

Prep Batch: 657929

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2,4-Dinitrophenol	ND		64.0	70.8		ug/L		111	21 - 150	5	22
2,4-Dinitrotoluene	ND		32.0	33.4		ug/L		104	54 - 138	2	20
2,6-Dinitrotoluene	ND		32.0	35.1		ug/L		110	17 - 150	2	15
2-Chloronaphthalene	ND		32.0	28.2		ug/L		88	52 - 124	8	21
2-Chlorophenol	ND		32.0	25.9		ug/L		81	48 - 120	9	25
2-Methylnaphthalene	ND		32.0	26.0		ug/L		81	34 - 140	6	21
2-Methylphenol	ND		32.0	22.6		ug/L		71	46 - 120	20	27
2-Nitroaniline	ND		32.0	33.3		ug/L		104	44 - 136	1	15
2-Nitrophenol	ND		32.0	26.4		ug/L		83	38 - 141	14	18
3,3'-Dichlorobenzidine	ND		64.0	45.3		ug/L		71	10 - 150	5	25
3-Nitroaniline	ND		32.0	23.6		ug/L		74	32 - 150	5	19
4,6-Dinitro-2-methylphenol	ND		64.0	75.5		ug/L		118	38 - 150	13	15
4-Bromophenyl phenyl ether	ND		32.0	31.8		ug/L		99	63 - 126	7	15
4-Chloro-3-methylphenol	ND		32.0	29.2		ug/L		91	64 - 127	7	27
4-Chloroaniline	ND		32.0	18.7		ug/L		58	16 - 124	6	22
4-Chlorophenyl phenyl ether	ND		32.0	30.9		ug/L		96	61 - 120	3	16
4-Methylphenol	ND		32.0	24.9		ug/L		78	36 - 120	9	24
4-Nitroaniline	ND		32.0	32.0		ug/L		100	32 - 150	0	24
4-Nitrophenol	ND		64.0	67.1		ug/L		105	23 - 132	5	48
Acenaphthene	ND		32.0	30.6		ug/L		96	48 - 120	4	24
Acenaphthylene	ND		32.0	31.5		ug/L		98	63 - 120	2	18
Acetophenone	ND		32.0	29.6		ug/L		92	53 - 120	7	20
Aniline	ND		32.0	15.1		ug/L		47	32 - 120	4	30
Anthracene	ND		32.0	32.2		ug/L		101	65 - 122	11	15
Atrazine	ND	*+	64.0	78.5		ug/L		123	50 - 150	4	20
Benzaldehyde	ND		64.0	55.7		ug/L		87	10 - 150	7	20
Benzo(a)anthracene	ND		32.0	32.5		ug/L		102	43 - 124	6	15
Benzo(a)pyrene	ND		32.0	30.3		ug/L		95	23 - 125	9	15
Benzo(b)fluoranthene	ND		32.0	29.2		ug/L		91	27 - 127	3	15
Benzo(g,h,i)perylene	ND		32.0	30.3		ug/L		95	16 - 147	6	15
Benzo(k)fluoranthene	ND		32.0	29.9		ug/L		93	20 - 124	5	22
Biphenyl	ND		32.0	28.0		ug/L		88	57 - 120	6	20
bis (2-chloroisopropyl) ether	ND		32.0	24.8		ug/L		78	28 - 121	6	24
Bis(2-chloroethoxy)methane	ND		32.0	24.5		ug/L		77	44 - 128	12	17
Bis(2-chloroethyl)ether	ND		32.0	29.0		ug/L		91	45 - 120	7	21
Bis(2-ethylhexyl) phthalate	ND		32.0	31.7		ug/L		99	16 - 150	6	15
Butyl benzyl phthalate	ND		32.0	32.9		ug/L		103	51 - 140	7	16
Caprolactam	ND		64.0	21.6		ug/L		34	10 - 120	0	20
Carbazole	ND		32.0	34.3		ug/L		107	16 - 148	10	20
Chrysene	ND		32.0	29.6		ug/L		92	44 - 122	7	15
Dibenz(a,h)anthracene	ND		32.0	30.7		ug/L		96	16 - 139	7	15
Dibenzofuran	ND		32.0	31.4		ug/L		98	60 - 120	3	15
Diethyl phthalate	ND		32.0	35.8		ug/L		112	53 - 133	4	15
Dimethyl phthalate	ND		32.0	33.5		ug/L		105	59 - 123	2	15
Di-n-butyl phthalate	ND		32.0	34.2		ug/L		107	65 - 129	5	15
Di-n-octyl phthalate	ND		32.0	32.4		ug/L		101	16 - 150	3	16
Fluoranthene	ND		32.0	32.2		ug/L		101	63 - 129	10	15
Fluorene	ND		32.0	31.8		ug/L		99	62 - 120	4	15
Hexachlorobenzene	ND		32.0	34.3		ug/L		107	57 - 121	6	15

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

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

Lab Sample ID: 480-205912-2 MSD

Matrix: Ground Water

Analysis Batch: 658053

Client Sample ID: BCC Area E MW-E05_MSD

Prep Type: Total/NA

Prep Batch: 657929

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Hexachlorobutadiene	ND		32.0	20.5		ug/L		64	37 - 120	11	44
Hexachlorocyclopentadiene	ND		32.0	22.6		ug/L		71	21 - 120	15	49
Hexachloroethane	ND		32.0	22.2		ug/L		69	16 - 130	3	46
Indeno(1,2,3-cd)pyrene	ND		32.0	31.7		ug/L		99	16 - 140	6	15
Isophorone	ND		32.0	26.4		ug/L		82	48 - 133	9	17
Naphthalene	ND		32.0	24.7		ug/L		77	45 - 120	14	29
Nitrobenzene	ND		32.0	26.3		ug/L		82	45 - 123	11	24
N-Nitrosodi-n-propylamine	ND		32.0	28.2		ug/L		88	49 - 120	0	31
N-Nitrosodiphenylamine	ND		32.0	31.7		ug/L		99	39 - 138	7	15
Pentachlorophenol	ND		64.0	65.6		ug/L		103	23 - 149	17	37
Phenanthrene	ND		32.0	33.2		ug/L		104	65 - 122	8	15
Phenol	ND		32.0	18.8		ug/L		59	16 - 120	11	34
Pyrene	ND		32.0	32.6		ug/L		102	58 - 128	3	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	108		41 - 120
2-Fluorobiphenyl	96		48 - 120
2-Fluorophenol	65		35 - 120
Nitrobenzene-d5	84		46 - 120
Phenol-d5	53		22 - 120
p-Terphenyl-d14	84		60 - 148

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-657871/1-A

Matrix: Water

Analysis Batch: 658056

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 657871

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		02/06/23 09:30	02/06/23 16:35	1
Antimony	ND		0.020	0.0068	mg/L		02/06/23 09:30	02/06/23 16:35	1
Arsenic	ND		0.015	0.0056	mg/L		02/06/23 09:30	02/06/23 16:35	1
Barium	ND		0.0020	0.00070	mg/L		02/06/23 09:30	02/06/23 16:35	1
Beryllium	ND		0.0020	0.00030	mg/L		02/06/23 09:30	02/06/23 16:35	1
Cadmium	ND		0.0020	0.00050	mg/L		02/06/23 09:30	02/06/23 16:35	1
Calcium	ND		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 16:35	1
Chromium	ND		0.0040	0.0010	mg/L		02/06/23 09:30	02/06/23 16:35	1
Cobalt	ND		0.0040	0.00063	mg/L		02/06/23 09:30	02/06/23 16:35	1
Copper	ND		0.010	0.0016	mg/L		02/06/23 09:30	02/06/23 16:35	1
Iron	ND		0.050	0.019	mg/L		02/06/23 09:30	02/06/23 16:35	1
Lead	ND		0.010	0.0030	mg/L		02/06/23 09:30	02/06/23 16:35	1
Magnesium	ND		0.20	0.043	mg/L		02/06/23 09:30	02/06/23 16:35	1
Manganese	0.000670	J	0.0030	0.00040	mg/L		02/06/23 09:30	02/06/23 16:35	1
Nickel	ND		0.010	0.0013	mg/L		02/06/23 09:30	02/06/23 16:35	1
Potassium	ND		0.50	0.10	mg/L		02/06/23 09:30	02/06/23 16:35	1
Selenium	ND		0.025	0.0087	mg/L		02/06/23 09:30	02/06/23 16:35	1
Silver	ND		0.0060	0.0017	mg/L		02/06/23 09:30	02/06/23 16:35	1
Sodium	ND		1.0	0.32	mg/L		02/06/23 09:30	02/06/23 16:35	1
Thallium	ND		0.020	0.010	mg/L		02/06/23 09:30	02/06/23 16:35	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-657871/1-A
Matrix: Water
Analysis Batch: 658056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.0050	0.0015	mg/L		02/06/23 09:30	02/06/23 16:35	1
Zinc	ND		0.010	0.0015	mg/L		02/06/23 09:30	02/06/23 16:35	1

Lab Sample ID: LCS 480-657871/2-A
Matrix: Water
Analysis Batch: 658056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	10.28		mg/L		103	80 - 120
Antimony	0.200	0.215		mg/L		107	80 - 120
Arsenic	0.200	0.200		mg/L		100	80 - 120
Barium	0.200	0.218		mg/L		109	80 - 120
Beryllium	0.200	0.208		mg/L		104	80 - 120
Cadmium	0.200	0.206		mg/L		103	80 - 120
Calcium	10.0	10.31		mg/L		103	80 - 120
Chromium	0.200	0.205		mg/L		102	80 - 120
Cobalt	0.200	0.194		mg/L		97	80 - 120
Copper	0.200	0.198		mg/L		99	80 - 120
Iron	10.0	10.16		mg/L		102	80 - 120
Lead	0.200	0.202		mg/L		101	80 - 120
Magnesium	10.0	10.16		mg/L		102	80 - 120
Manganese	0.200	0.209		mg/L		104	80 - 120
Nickel	0.200	0.193		mg/L		97	80 - 120
Potassium	10.0	10.33		mg/L		103	80 - 120
Selenium	0.200	0.195		mg/L		97	80 - 120
Silver	0.0500	0.0494		mg/L		99	80 - 120
Sodium	10.0	10.17		mg/L		102	80 - 120
Thallium	0.200	0.203		mg/L		102	80 - 120
Vanadium	0.200	0.208		mg/L		104	80 - 120
Zinc	0.200	0.203		mg/L		101	80 - 120

Lab Sample ID: LCSD 480-657871/3-A
Matrix: Water
Analysis Batch: 658056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10.0	10.13		mg/L		101	80 - 120	1	20
Antimony	0.200	0.214		mg/L		107	80 - 120	0	20
Arsenic	0.200	0.200		mg/L		100	80 - 120	0	20
Barium	0.200	0.216		mg/L		108	80 - 120	1	20
Beryllium	0.200	0.207		mg/L		103	80 - 120	0	20
Cadmium	0.200	0.207		mg/L		103	80 - 120	0	20
Calcium	10.0	10.25		mg/L		102	80 - 120	1	20
Chromium	0.200	0.204		mg/L		102	80 - 120	0	20
Cobalt	0.200	0.194		mg/L		97	80 - 120	0	20
Copper	0.200	0.198		mg/L		99	80 - 120	0	20
Iron	10.0	10.15		mg/L		101	80 - 120	0	20
Lead	0.200	0.201		mg/L		101	80 - 120	0	20
Magnesium	10.0	10.17		mg/L		102	80 - 120	0	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSD 480-657871/3-A
Matrix: Water
Analysis Batch: 658056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.200	0.211		mg/L		106	80 - 120	1	20
Nickel	0.200	0.194		mg/L		97	80 - 120	0	20
Potassium	10.0	10.22		mg/L		102	80 - 120	1	20
Selenium	0.200	0.195		mg/L		98	80 - 120	0	20
Silver	0.0500	0.0495		mg/L		99	80 - 120	0	20
Sodium	10.0	10.04		mg/L		100	80 - 120	1	20
Thallium	0.200	0.203		mg/L		101	80 - 120	0	20
Vanadium	0.200	0.209		mg/L		104	80 - 120	0	20
Zinc	0.200	0.203		mg/L		102	80 - 120	0	20

Lab Sample ID: 480-205912-2 MS
Matrix: Ground Water
Analysis Batch: 658056

Client Sample ID: BCC Area E MW-E05_MS
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	ND		10.0	10.31		mg/L		103	75 - 125
Antimony	ND		0.200	0.224		mg/L		112	75 - 125
Arsenic	ND		0.200	0.215		mg/L		108	75 - 125
Barium	0.030		0.200	0.242		mg/L		106	75 - 125
Beryllium	ND		0.200	0.209		mg/L		105	75 - 125
Cadmium	0.013		0.200	0.225		mg/L		106	75 - 125
Calcium	140		10.0	148.8	4	mg/L		90	75 - 125
Chromium	ND		0.200	0.203		mg/L		102	75 - 125
Cobalt	0.0033	J	0.200	0.201		mg/L		99	75 - 125
Copper	0.097		0.200	0.298		mg/L		101	75 - 125
Iron	0.030	J	10.0	10.13		mg/L		101	75 - 125
Lead	0.010		0.200	0.214		mg/L		102	75 - 125
Magnesium	17.4		10.0	27.26		mg/L		99	75 - 125
Manganese	0.091	B	0.200	0.290		mg/L		100	75 - 125
Nickel	0.015		0.200	0.212		mg/L		98	75 - 125
Potassium	3.9		10.0	14.34		mg/L		104	75 - 125
Selenium	ND		0.200	0.213		mg/L		107	75 - 125
Silver	ND		0.0500	0.0499		mg/L		100	75 - 125
Sodium	29.7		10.0	39.68		mg/L		99	75 - 125
Thallium	ND		0.200	0.205		mg/L		102	75 - 125
Vanadium	ND		0.200	0.211		mg/L		105	75 - 125
Zinc	2.9		0.200	3.05	4	mg/L		76	75 - 125

Lab Sample ID: 480-205912-2 MSD
Matrix: Ground Water
Analysis Batch: 658056

Client Sample ID: BCC Area E MW-E05_MSD
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	ND		10.0	10.27		mg/L		103	75 - 125	0	20
Antimony	ND		0.200	0.226		mg/L		113	75 - 125	1	20
Arsenic	ND		0.200	0.215		mg/L		107	75 - 125	0	20
Barium	0.030		0.200	0.242		mg/L		106	75 - 125	0	20
Beryllium	ND		0.200	0.209		mg/L		104	75 - 125	0	20
Cadmium	0.013		0.200	0.226		mg/L		107	75 - 125	0	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-205912-2 MSD
Matrix: Ground Water
Analysis Batch: 658056

Client Sample ID: BCC Area E MW-E05_MSD
Prep Type: Total/NA
Prep Batch: 657871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	140		10.0	146.4	4	mg/L		67	75 - 125	2	20
Chromium	ND		0.200	0.204		mg/L		102	75 - 125	0	20
Cobalt	0.0033	J	0.200	0.202		mg/L		99	75 - 125	1	20
Copper	0.097		0.200	0.296		mg/L		100	75 - 125	1	20
Iron	0.030	J	10.0	10.11		mg/L		101	75 - 125	0	20
Lead	0.010		0.200	0.214		mg/L		102	75 - 125	0	20
Magnesium	17.4		10.0	27.18		mg/L		98	75 - 125	0	20
Manganese	0.091	B	0.200	0.291		mg/L		100	75 - 125	0	20
Nickel	0.015		0.200	0.213		mg/L		99	75 - 125	0	20
Potassium	3.9		10.0	14.29		mg/L		104	75 - 125	0	20
Selenium	ND		0.200	0.209		mg/L		104	75 - 125	2	20
Silver	ND		0.0500	0.0499		mg/L		100	75 - 125	0	20
Sodium	29.7		10.0	39.25		mg/L		95	75 - 125	1	20
Thallium	ND		0.200	0.208		mg/L		104	75 - 125	2	20
Vanadium	ND		0.200	0.212		mg/L		106	75 - 125	1	20
Zinc	2.9		0.200	3.05	4	mg/L		74	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-657945/1-A
Matrix: Water
Analysis Batch: 658012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/06/23 11:41	02/06/23 15:32	1

Lab Sample ID: LCS 480-657945/2-A
Matrix: Water
Analysis Batch: 658012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00633		mg/L		95	80 - 120

Lab Sample ID: 480-205912-2 MS
Matrix: Ground Water
Analysis Batch: 658012

Client Sample ID: BCC Area E MW-E05_MS
Prep Type: Total/NA
Prep Batch: 657945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00642		mg/L		96	80 - 120

Lab Sample ID: 480-205912-2 MSD
Matrix: Ground Water
Analysis Batch: 658012

Client Sample ID: BCC Area E MW-E05_MSD
Prep Type: Total/NA
Prep Batch: 657945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00655		mg/L		98	80 - 120	2	20

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

GC/MS VOA

Analysis Batch: 657925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	8260C	
480-205912-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-657925/7	Method Blank	Total/NA	Water	8260C	
LCS 480-657925/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 658027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	8260C	
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	8260C	
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	8260C	
MB 480-658027/7	Method Blank	Total/NA	Water	8260C	
LCS 480-658027/5	Lab Control Sample	Total/NA	Water	8260C	
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	8260C	
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	8260C	

Analysis Batch: 658514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	
MB 480-658514/7	Method Blank	Total/NA	Water	8260C	
LCS 480-658514/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 657929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	3510C	
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	3510C	
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	3510C	
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	3510C	
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	3510C	
MB 480-657929/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-657929/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	3510C	
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	3510C	

Analysis Batch: 658053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	8270D	657929
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	8270D	657929
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	8270D	657929
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	8270D	657929
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	8270D	657929
MB 480-657929/1-A	Method Blank	Total/NA	Water	8270D	657929
LCS 480-657929/2-A	Lab Control Sample	Total/NA	Water	8270D	657929
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	8270D	657929
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	8270D	657929

Metals

Prep Batch: 657871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	3005A	

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QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Metals (Continued)

Prep Batch: 657871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	3005A	
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	3005A	
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	3005A	
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	3005A	
MB 480-657871/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-657871/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-657871/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	3005A	
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	3005A	

Prep Batch: 657945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	7470A	
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	7470A	
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	7470A	
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	7470A	
MB 480-657945/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-657945/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	7470A	
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	7470A	

Analysis Batch: 658012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	7470A	657945
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	7470A	657945
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	7470A	657945
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	657945
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	7470A	657945
MB 480-657945/1-A	Method Blank	Total/NA	Water	7470A	657945
LCS 480-657945/2-A	Lab Control Sample	Total/NA	Water	7470A	657945
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	7470A	657945
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	7470A	657945

Analysis Batch: 658056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205912-1	BCC Area E MW-E05 D	Total/NA	Ground Water	6010C	657871
480-205912-2	BCC Area E MW-E05	Total/NA	Ground Water	6010C	657871
480-205912-3	BCC Area E RFI-29	Total/NA	Ground Water	6010C	657871
480-205912-4	BCC Area E RFI-32A	Total/NA	Ground Water	6010C	657871
480-205912-5	BCC Area E RFI-33	Total/NA	Ground Water	6010C	657871
MB 480-657871/1-A	Method Blank	Total/NA	Water	6010C	657871
LCS 480-657871/2-A	Lab Control Sample	Total/NA	Water	6010C	657871
LCSD 480-657871/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	657871
480-205912-2 MS	BCC Area E MW-E05_MS	Total/NA	Ground Water	6010C	657871
480-205912-2 MSD	BCC Area E MW-E05_MSD	Total/NA	Ground Water	6010C	657871

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E MW-E05 D

Lab Sample ID: 480-205912-1

Date Collected: 02/02/23 09:20

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	658027	CR	EET BUF	02/07/23 12:07
Total/NA	Prep	3510C			657929	MS	EET BUF	02/06/23 08:22
Total/NA	Analysis	8270D		20	658053	JMM	EET BUF	02/07/23 14:37
Total/NA	Prep	3005A			657871	NVK	EET BUF	02/06/23 09:30
Total/NA	Analysis	6010C		1	658056	LMH	EET BUF	02/06/23 17:01
Total/NA	Prep	7470A			657945	VAK	EET BUF	02/06/23 11:41
Total/NA	Analysis	7470A		1	658012	NVK	EET BUF	02/06/23 15:46

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-205912-2

Date Collected: 02/02/23 09:05

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	658027	CR	EET BUF	02/07/23 12:30
Total/NA	Prep	3510C			657929	MS	EET BUF	02/06/23 08:22
Total/NA	Analysis	8270D		1	658053	JMM	EET BUF	02/07/23 12:45
Total/NA	Prep	3005A			657871	NVK	EET BUF	02/06/23 09:30
Total/NA	Analysis	6010C		1	658056	LMH	EET BUF	02/06/23 17:05
Total/NA	Prep	7470A			657945	VAK	EET BUF	02/06/23 11:41
Total/NA	Analysis	7470A		1	658012	NVK	EET BUF	02/06/23 15:48

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-205912-3

Date Collected: 02/02/23 11:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	658027	CR	EET BUF	02/07/23 12:53
Total/NA	Prep	3510C			657929	MS	EET BUF	02/06/23 08:22
Total/NA	Analysis	8270D		1	658053	JMM	EET BUF	02/07/23 15:05
Total/NA	Prep	3005A			657871	NVK	EET BUF	02/06/23 09:30
Total/NA	Analysis	6010C		1	658056	LMH	EET BUF	02/06/23 17:24
Total/NA	Prep	7470A			657945	VAK	EET BUF	02/06/23 11:41
Total/NA	Analysis	7470A		1	658012	NVK	EET BUF	02/06/23 15:55

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4000	658514	CR	EET BUF	02/13/23 14:00
Total/NA	Prep	3510C			657929	MS	EET BUF	02/06/23 08:22
Total/NA	Analysis	8270D		20	658053	JMM	EET BUF	02/07/23 15:33
Total/NA	Prep	3005A			657871	NVK	EET BUF	02/06/23 09:30
Total/NA	Analysis	6010C		1	658056	LMH	EET BUF	02/06/23 17:28

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Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-205912-4

Date Collected: 02/02/23 13:30

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			657945	VAK	EET BUF	02/06/23 11:41
Total/NA	Analysis	7470A		1	658012	NVK	EET BUF	02/06/23 15:57

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-205912-5

Date Collected: 02/02/23 12:00

Matrix: Ground Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	657925	CR	EET BUF	02/06/23 15:47
Total/NA	Prep	3510C			657929	MS	EET BUF	02/06/23 08:22
Total/NA	Analysis	8270D		1	658053	JMM	EET BUF	02/07/23 16:01
Total/NA	Prep	3005A			657871	NVK	EET BUF	02/06/23 09:30
Total/NA	Analysis	6010C		1	658056	LMH	EET BUF	02/06/23 17:44
Total/NA	Prep	7470A			657945	VAK	EET BUF	02/06/23 11:41
Total/NA	Analysis	7470A		1	658012	NVK	EET BUF	02/06/23 15:58

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-205912-6

Date Collected: 02/02/23 00:00

Matrix: Water

Date Received: 02/02/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	657925	CR	EET BUF	02/06/23 16:10

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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

Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-205912-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-205912-1	BCC Area E MW-E05 D	Ground Water	02/02/23 09:20	02/02/23 16:00
480-205912-2	BCC Area E MW-E05	Ground Water	02/02/23 09:05	02/02/23 16:00
480-205912-3	BCC Area E RFI-29	Ground Water	02/02/23 11:00	02/02/23 16:00
480-205912-4	BCC Area E RFI-32A	Ground Water	02/02/23 13:30	02/02/23 16:00
480-205912-5	BCC Area E RFI-33	Ground Water	02/02/23 12:00	02/02/23 16:00
480-205912-6	TRIP BLANK	Water	02/02/23 00:00	02/02/23 16:00

1

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15

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-205912-1

Login Number: 205912

List Number: 1

Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	12.9 #1 NO ICE
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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Kirsten Colligan
Ontario Specialty Contracting, Inc.
140 Lee St.
Buffalo, New York 14210

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JOB DESCRIPTION

Buffalo Color Area E Wells
Buffalo Color Area E Wells

JOB NUMBER

480-210385-1

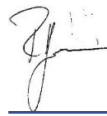
Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Job ID: 480-210385-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-210385-1

Comments

No additional comments.

Receipt

The samples were received on 6/29/2023 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 16.8° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-675207 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are impacted: BCC Area E RFI33 D (480-210385-1), BCC Area E MW-E05 (480-210385-2) and BCC Area E RFI-32A (480-210385-4).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A (480-210385-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-675315 recovered above the upper control limit for Vinyl chloride. The sample associated with this CCV was non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: BCC Area E RFI-29 (480-210385-3), BCC Area E RFI-33 (480-210385-5) and TRIP BLANK (480-210385-6).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area E MW-E05 (480-210385-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A (480-210385-4), (480-210385-D-4 MS) and (480-210385-D-4 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: 1,4-Dichlorobenzene was detected in the following sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified with an E flag. The following sample was affected: BCC Area E RFI-32A (480-210385-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: Associated samples were inadvertently spiked with internal standard at a concentration of 40 ug/L instead of 4 ug/L. Spike and surrogate recoveries are within expected limits, therefore data has been reported: BCC Area E MW-E05 (480-210385-2), BCC Area E RFI-29 (480-210385-3), BCC Area E RFI-33 (480-210385-5), BCC Area E RFI-33 MS (480-210385-5[MS]), BCC Area E RFI-33 MSD (480-210385-5[MSD]), (LCS 480-675110/2-A) and (MB 480-675110/1-A).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-675282 recovered outside acceptance criteria, low biased, for 4-Nitrophenol and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-675110 and analytical batch 480-675282 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The following sample(s) was diluted due to color, appearance and viscosity. BCC Area E RFI33 D (480-210385-1). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: BCC Area E RFI33 D (480-210385-1).

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Job ID: 480-210385-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to color, appearance and viscosity: BCC Area E RFI33 D (480-210385-1) and BCC Area E RFI-32A (480-210385-4). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: BCC Area E RFI-32A (480-210385-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-675286 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-675110 and analytical batch 480-675286 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The low level continuing calibration verification (CCVL 480-675623/19) recovered above the upper control limit for Total Beryllium and Manganese. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-675111/2-A) and (MB 480-675111/1-A) was not performed.

Method 6010C: The method blank for preparation batch 480-675111 and analytical batch 480-676023 contained Total Iron above the reporting limit (RL). Associated sample BCC Area E RFI-32A (480-210385-4) was not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI33 D

Lab Sample ID: 480-210385-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.051		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	83.3		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0014	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0049	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.031	J B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	16.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.19	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.018		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	0.95		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	122		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0033	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene - DL	170		5.0	3.8	ug/L	5		8260C	Total/NA
Barium	0.032		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.012		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	148		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0029	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.099		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.046	J B	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0085	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	16.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.24	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.012		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	36.7		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	2.1		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	3.5		1.0	0.79	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	3.9		1.0	0.84	ug/L	1		8260C	Total/NA
Chlorobenzene	22		1.0	0.75	ug/L	1		8260C	Total/NA
4-Chloroaniline	3.0	J *3	5.0	0.59	ug/L	1		8270D	Total/NA
Benzo(a)anthracene	0.37	J *3	5.0	0.36	ug/L	1		8270D	Total/NA
Barium	0.040		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	124		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.086	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	18.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.11	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0013	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	8.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	100		1.0	0.32	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	1.9	J	4.0	1.6	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-32A (Continued)

Lab Sample ID: 480-210385-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	180		4.0	3.2	ug/L	4		8260C	Total/NA
1,3-Dichlorobenzene	31		4.0	3.1	ug/L	4		8260C	Total/NA
Benzene	43		4.0	1.6	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	11		4.0	3.2	ug/L	4		8260C	Total/NA
Ethylbenzene	23		4.0	3.0	ug/L	4		8260C	Total/NA
Tetrachloroethene	5.4		4.0	1.4	ug/L	4		8260C	Total/NA
Toluene	72		4.0	2.0	ug/L	4		8260C	Total/NA
Trichloroethene	28		4.0	1.8	ug/L	4		8260C	Total/NA
Xylenes, Total	23		8.0	2.6	ug/L	4		8260C	Total/NA
Chlorobenzene - DL	150000	F1	4000	3000	ug/L	4000		8260C	Total/NA
2-Chlorophenol	78	J	100	11	ug/L	20		8270D	Total/NA
Aluminum	0.077	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.011	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.024		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	326		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0021	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0047	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	4.7	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	95.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.77	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0054	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	136		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0044	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	0.38	J*3	5.0	0.36	ug/L	1		8270D	Total/NA
Barium	0.052		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	88.5		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0010	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0042	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.032	J B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	17.6	F1	0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.20	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.019		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	0.94		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	127		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0017	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0033	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-210385-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RF133 D

Lab Sample ID: 480-210385-1

Date Collected: 06/29/23 08:40

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/03/23 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/03/23 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/03/23 16:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/03/23 16:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/03/23 16:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/03/23 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/03/23 16:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/03/23 16:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/03/23 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/03/23 16:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/03/23 16:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/03/23 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/03/23 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/03/23 16:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/03/23 16:39	1
2-Hexanone	ND		5.0	1.2	ug/L			07/03/23 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/03/23 16:39	1
Acetone	ND		10	3.0	ug/L			07/03/23 16:39	1
Benzene	ND		1.0	0.41	ug/L			07/03/23 16:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/03/23 16:39	1
Bromoform	ND		1.0	0.26	ug/L			07/03/23 16:39	1
Bromomethane	ND		1.0	0.69	ug/L			07/03/23 16:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/03/23 16:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/03/23 16:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/03/23 16:39	1
Chloroethane	ND		1.0	0.32	ug/L			07/03/23 16:39	1
Chloroform	ND		1.0	0.34	ug/L			07/03/23 16:39	1
Chloromethane	ND		1.0	0.35	ug/L			07/03/23 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/03/23 16:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/03/23 16:39	1
Cyclohexane	ND		1.0	0.18	ug/L			07/03/23 16:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/03/23 16:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/03/23 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/03/23 16:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/03/23 16:39	1
Methyl acetate	ND		2.5	1.3	ug/L			07/03/23 16:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/03/23 16:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/03/23 16:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/03/23 16:39	1
Styrene	ND		1.0	0.73	ug/L			07/03/23 16:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/03/23 16:39	1
Toluene	ND		1.0	0.51	ug/L			07/03/23 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/03/23 16:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/03/23 16:39	1
Trichloroethene	ND		1.0	0.46	ug/L			07/03/23 16:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/03/23 16:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/03/23 16:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/03/23 16:39	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RF133 D

Lab Sample ID: 480-210385-1

Date Collected: 06/29/23 08:40

Matrix: Ground Water

Date Received: 06/29/23 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/03/23 16:39	1
4-Bromofluorobenzene (Surr)	109		73 - 120		07/03/23 16:39	1
Toluene-d8 (Surr)	99		80 - 120		07/03/23 16:39	1
Dibromofluoromethane (Surr)	104		75 - 123		07/03/23 16:39	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,4-Dinitrophenol	ND		50	11	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		06/30/23 15:03	07/05/23 19:44	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Chloronaphthalene	ND		25	2.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Chlorophenol	ND		25	2.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Methylnaphthalene	ND		25	3.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Methylphenol	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Nitroaniline	ND		50	2.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
2-Nitrophenol	ND		25	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
3-Nitroaniline	ND		50	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Chloroaniline	ND		25	3.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Methylphenol	ND		50	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Nitroaniline	ND		50	1.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
4-Nitrophenol	ND		50	7.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Acenaphthene	ND		25	2.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
Acenaphthylene	ND		25	1.9	ug/L		06/30/23 15:03	07/05/23 19:44	5
Acetophenone	ND		25	2.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
Aniline	ND		50	3.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
Anthracene	ND		25	1.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
Atrazine	ND	*+	25	2.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzaldehyde	ND		25	1.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzo(a)anthracene	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzo(a)pyrene	ND		25	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
Biphenyl	ND		25	3.3	ug/L		06/30/23 15:03	07/05/23 19:44	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		06/30/23 15:03	07/05/23 19:44	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Caprolactam	ND		25	11	ug/L		06/30/23 15:03	07/05/23 19:44	5
Carbazole	ND		25	1.5	ug/L		06/30/23 15:03	07/05/23 19:44	5

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RF133 D

Lab Sample ID: 480-210385-1

Date Collected: 06/29/23 08:40

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		25	1.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
Dibenzofuran	ND		50	2.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Diethyl phthalate	ND		25	1.1	ug/L		06/30/23 15:03	07/05/23 19:44	5
Dimethyl phthalate	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
Fluoranthene	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Fluorene	ND		25	1.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Hexachlorobenzene	ND		25	2.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Hexachlorobutadiene	ND		25	3.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Hexachloroethane	ND		25	3.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		06/30/23 15:03	07/05/23 19:44	5
Isophorone	ND		25	2.2	ug/L		06/30/23 15:03	07/05/23 19:44	5
Naphthalene	ND		25	3.8	ug/L		06/30/23 15:03	07/05/23 19:44	5
Nitrobenzene	ND		25	1.5	ug/L		06/30/23 15:03	07/05/23 19:44	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		06/30/23 15:03	07/05/23 19:44	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		06/30/23 15:03	07/05/23 19:44	5
Pentachlorophenol	ND		50	11	ug/L		06/30/23 15:03	07/05/23 19:44	5
Phenanthrene	ND		25	2.2	ug/L		06/30/23 15:03	07/05/23 19:44	5
Phenol	ND		25	2.0	ug/L		06/30/23 15:03	07/05/23 19:44	5
Pyrene	ND		25	1.7	ug/L		06/30/23 15:03	07/05/23 19:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		41 - 120	06/30/23 15:03	07/05/23 19:44	5
2-Fluorobiphenyl	72		48 - 120	06/30/23 15:03	07/05/23 19:44	5
2-Fluorophenol	41		35 - 120	06/30/23 15:03	07/05/23 19:44	5
Nitrobenzene-d5	55		46 - 120	06/30/23 15:03	07/05/23 19:44	5
Phenol-d5	26		22 - 120	06/30/23 15:03	07/05/23 19:44	5
p-Terphenyl-d14	71		60 - 148	06/30/23 15:03	07/05/23 19:44	5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		07/03/23 08:04	07/06/23 20:48	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 20:48	1
Arsenic	ND		0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 20:48	1
Barium	0.051		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 20:48	1
Beryllium	ND		0.0020	0.00030	mg/L		07/03/23 08:04	07/11/23 22:33	1
Cadmium	ND		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 20:48	1
Calcium	83.3		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:48	1
Chromium	0.0014	J	0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 20:48	1
Cobalt	ND		0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 20:48	1
Copper	0.0049	J	0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 20:48	1
Iron	0.031	J B	0.050	0.019	mg/L		07/12/23 14:02	07/14/23 12:37	1
Lead	ND		0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 20:48	1
Magnesium	16.8		0.20	0.043	mg/L		07/03/23 08:04	07/06/23 20:48	1
Manganese	0.19	B	0.0030	0.00040	mg/L		07/03/23 08:04	07/11/23 22:33	1
Nickel	0.018		0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 20:48	1
Potassium	0.95		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:48	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RF133 D

Lab Sample ID: 480-210385-1

Date Collected: 06/29/23 08:40

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 20:48	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 20:48	1
Sodium	122		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 20:48	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 20:48	1
Vanadium	ND		0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 20:48	1
Zinc	0.0033	J	0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 20:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 12:04	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Date Collected: 06/29/23 11:05

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/03/23 17:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/03/23 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/03/23 17:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/03/23 17:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/03/23 17:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/03/23 17:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/03/23 17:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/03/23 17:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/03/23 17:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/03/23 17:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/03/23 17:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/03/23 17:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/03/23 17:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/03/23 17:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/03/23 17:01	1
2-Hexanone	ND		5.0	1.2	ug/L			07/03/23 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/03/23 17:01	1
Acetone	ND		10	3.0	ug/L			07/03/23 17:01	1
Benzene	1.2		1.0	0.41	ug/L			07/03/23 17:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/03/23 17:01	1
Bromoform	ND		1.0	0.26	ug/L			07/03/23 17:01	1
Bromomethane	ND		1.0	0.69	ug/L			07/03/23 17:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/03/23 17:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/03/23 17:01	1
Chloroethane	ND		1.0	0.32	ug/L			07/03/23 17:01	1
Chloroform	ND		1.0	0.34	ug/L			07/03/23 17:01	1
Chloromethane	ND		1.0	0.35	ug/L			07/03/23 17:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/03/23 17:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/03/23 17:01	1
Cyclohexane	ND		1.0	0.18	ug/L			07/03/23 17:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/03/23 17:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/03/23 17:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/03/23 17:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/03/23 17:01	1
Methyl acetate	ND		2.5	1.3	ug/L			07/03/23 17:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/03/23 17:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/03/23 17:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/03/23 17:01	1
Styrene	ND		1.0	0.73	ug/L			07/03/23 17:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/03/23 17:01	1
Toluene	ND		1.0	0.51	ug/L			07/03/23 17:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/03/23 17:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/03/23 17:01	1
Trichloroethene	ND		1.0	0.46	ug/L			07/03/23 17:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/03/23 17:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/03/23 17:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/03/23 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/03/23 17:01	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Date Collected: 06/29/23 11:05

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		73 - 120		07/03/23 17:01	1
Toluene-d8 (Surr)	95		80 - 120		07/03/23 17:01	1
Dibromofluoromethane (Surr)	102		75 - 123		07/03/23 17:01	1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	170		5.0	3.8	ug/L			07/05/23 14:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		07/05/23 14:23	5
4-Bromofluorobenzene (Surr)	102		73 - 120		07/05/23 14:23	5
Toluene-d8 (Surr)	95		80 - 120		07/05/23 14:23	5
Dibromofluoromethane (Surr)	102		75 - 123		07/05/23 14:23	5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,4,6-Trichlorophenol	ND	*3	5.0	0.61	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,4-Dichlorophenol	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,4-Dimethylphenol	ND	*3	5.0	0.50	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,4-Dinitrophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,4-Dinitrotoluene	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 05:53	1
2,6-Dinitrotoluene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Chloronaphthalene	ND	*3	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Chlorophenol	ND	*3	5.0	0.53	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Methylnaphthalene	ND	*3	5.0	0.60	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Methylphenol	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Nitroaniline	ND	*3	10	0.42	ug/L		06/30/23 15:03	07/04/23 05:53	1
2-Nitrophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 05:53	1
3,3'-Dichlorobenzidine	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 05:53	1
3-Nitroaniline	ND	*3	10	0.48	ug/L		06/30/23 15:03	07/04/23 05:53	1
4,6-Dinitro-2-methylphenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Bromophenyl phenyl ether	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Chloro-3-methylphenol	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Chloroaniline	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Chlorophenyl phenyl ether	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Methylphenol	ND	*3	10	0.36	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Nitroaniline	ND	*3	10	0.25	ug/L		06/30/23 15:03	07/04/23 05:53	1
4-Nitrophenol	ND	*3	10	1.5	ug/L		06/30/23 15:03	07/04/23 05:53	1
Acenaphthene	ND	*3	5.0	0.41	ug/L		06/30/23 15:03	07/04/23 05:53	1
Acenaphthylene	ND	*3	5.0	0.38	ug/L		06/30/23 15:03	07/04/23 05:53	1
Acetophenone	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 05:53	1
Aniline	ND	*3	10	0.61	ug/L		06/30/23 15:03	07/04/23 05:53	1
Anthracene	ND	*3	5.0	0.28	ug/L		06/30/23 15:03	07/04/23 05:53	1
Atrazine	ND	*3 *	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 05:53	1
Benzaldehyde	ND	*3	5.0	0.27	ug/L		06/30/23 15:03	07/04/23 05:53	1
Benzo(a)anthracene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 05:53	1
Benzo(a)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 05:53	1
Benzo(b)fluoranthene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 05:53	1
Benzo(g,h,i)perylene	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 05:53	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Date Collected: 06/29/23 11:05

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND	*3	5.0	0.73	ug/L		06/30/23 15:03	07/04/23 05:53	1
Biphenyl	ND	*3	5.0	0.65	ug/L		06/30/23 15:03	07/04/23 05:53	1
bis(2-chloroisopropyl) ether	ND	*3	5.0	0.52	ug/L		06/30/23 15:03	07/04/23 05:53	1
Bis(2-chloroethoxy)methane	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 05:53	1
Bis(2-chloroethyl)ether	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 05:53	1
Bis(2-ethylhexyl) phthalate	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 05:53	1
Butyl benzyl phthalate	ND	*3	5.0	1.0	ug/L		06/30/23 15:03	07/04/23 05:53	1
Caprolactam	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 05:53	1
Carbazole	ND	*3	5.0	0.30	ug/L		06/30/23 15:03	07/04/23 05:53	1
Chrysene	ND	*3	5.0	0.33	ug/L		06/30/23 15:03	07/04/23 05:53	1
Dibenz(a,h)anthracene	ND	*3	5.0	0.42	ug/L		06/30/23 15:03	07/04/23 05:53	1
Dibenzofuran	ND	*3	10	0.51	ug/L		06/30/23 15:03	07/04/23 05:53	1
Diethyl phthalate	ND	*3	5.0	0.22	ug/L		06/30/23 15:03	07/04/23 05:53	1
Dimethyl phthalate	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 05:53	1
Di-n-butyl phthalate	ND	*3	5.0	0.31	ug/L		06/30/23 15:03	07/04/23 05:53	1
Di-n-octyl phthalate	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 05:53	1
Fluoranthene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 05:53	1
Fluorene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 05:53	1
Hexachlorobenzene	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 05:53	1
Hexachlorobutadiene	ND	*3	5.0	0.68	ug/L		06/30/23 15:03	07/04/23 05:53	1
Hexachlorocyclopentadiene	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 05:53	1
Hexachloroethane	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 05:53	1
Indeno(1,2,3-cd)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 05:53	1
Isophorone	ND	*3	5.0	0.43	ug/L		06/30/23 15:03	07/04/23 05:53	1
Naphthalene	ND	*3	5.0	0.76	ug/L		06/30/23 15:03	07/04/23 05:53	1
Nitrobenzene	ND	*3	5.0	0.29	ug/L		06/30/23 15:03	07/04/23 05:53	1
N-Nitrosodi-n-propylamine	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 05:53	1
N-Nitrosodiphenylamine	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 05:53	1
Pentachlorophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 05:53	1
Phenanthrene	ND	*3	5.0	0.44	ug/L		06/30/23 15:03	07/04/23 05:53	1
Phenol	ND	*3	5.0	0.39	ug/L		06/30/23 15:03	07/04/23 05:53	1
Pyrene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	101	*3	41 - 120	06/30/23 15:03	07/04/23 05:53	1
2-Fluorobiphenyl	97	*3	48 - 120	06/30/23 15:03	07/04/23 05:53	1
2-Fluorophenol	62	*3	35 - 120	06/30/23 15:03	07/04/23 05:53	1
Nitrobenzene-d5	92	*3	46 - 120	06/30/23 15:03	07/04/23 05:53	1
Phenol-d5	44	*3	22 - 120	06/30/23 15:03	07/04/23 05:53	1
p-Terphenyl-d14	82	*3	60 - 148	06/30/23 15:03	07/04/23 05:53	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		07/03/23 08:04	07/06/23 20:52	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 20:52	1
Arsenic	ND		0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 20:52	1
Barium	0.032		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 20:52	1
Beryllium	ND		0.0020	0.00030	mg/L		07/03/23 08:04	07/11/23 22:37	1
Cadmium	0.012		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 20:52	1
Calcium	148		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:52	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Date Collected: 06/29/23 11:05

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 20:52	1
Cobalt	0.0029	J	0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 20:52	1
Copper	0.099		0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 20:52	1
Iron	0.046	J B	0.050	0.019	mg/L		07/12/23 14:02	07/14/23 12:40	1
Lead	0.0085	J	0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 20:52	1
Magnesium	16.6		0.20	0.043	mg/L		07/03/23 08:04	07/06/23 20:52	1
Manganese	0.24	B	0.0030	0.00040	mg/L		07/03/23 08:04	07/11/23 22:37	1
Nickel	0.012		0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 20:52	1
Potassium	4.0		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:52	1
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 20:52	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 20:52	1
Sodium	36.7		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 20:52	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 20:52	1
Vanadium	ND		0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 20:52	1
Zinc	2.1		0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 20:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 12:06	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/05/23 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/05/23 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/05/23 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/05/23 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/05/23 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/05/23 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/05/23 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/05/23 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/05/23 14:45	1
1,2-Dichlorobenzene	3.5		1.0	0.79	ug/L			07/05/23 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/05/23 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/05/23 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/05/23 14:45	1
1,4-Dichlorobenzene	3.9		1.0	0.84	ug/L			07/05/23 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/05/23 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			07/05/23 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/05/23 14:45	1
Acetone	ND		10	3.0	ug/L			07/05/23 14:45	1
Benzene	ND		1.0	0.41	ug/L			07/05/23 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/05/23 14:45	1
Bromoform	ND		1.0	0.26	ug/L			07/05/23 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			07/05/23 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/05/23 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/05/23 14:45	1
Chlorobenzene	22		1.0	0.75	ug/L			07/05/23 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			07/05/23 14:45	1
Chloroform	ND		1.0	0.34	ug/L			07/05/23 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			07/05/23 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/05/23 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/05/23 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			07/05/23 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/05/23 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/05/23 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/23 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/23 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			07/05/23 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/23 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/05/23 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/05/23 14:45	1
Styrene	ND		1.0	0.73	ug/L			07/05/23 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/05/23 14:45	1
Toluene	ND		1.0	0.51	ug/L			07/05/23 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/05/23 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/05/23 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			07/05/23 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/05/23 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/05/23 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/23 14:45	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		07/05/23 14:45	1
4-Bromofluorobenzene (Surr)	105		73 - 120		07/05/23 14:45	1
Toluene-d8 (Surr)	94		80 - 120		07/05/23 14:45	1
Dibromofluoromethane (Surr)	105		75 - 123		07/05/23 14:45	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,4,6-Trichlorophenol	ND	*3	5.0	0.61	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,4-Dichlorophenol	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,4-Dimethylphenol	ND	*3	5.0	0.50	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,4-Dinitrophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,4-Dinitrotoluene	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 06:20	1
2,6-Dinitrotoluene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Chloronaphthalene	ND	*3	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Chlorophenol	ND	*3	5.0	0.53	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Methylnaphthalene	ND	*3	5.0	0.60	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Methylphenol	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Nitroaniline	ND	*3	10	0.42	ug/L		06/30/23 15:03	07/04/23 06:20	1
2-Nitrophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 06:20	1
3,3'-Dichlorobenzidine	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 06:20	1
3-Nitroaniline	ND	*3	10	0.48	ug/L		06/30/23 15:03	07/04/23 06:20	1
4,6-Dinitro-2-methylphenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Bromophenyl phenyl ether	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Chloro-3-methylphenol	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Chloroaniline	3.0	J *3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Chlorophenyl phenyl ether	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Methylphenol	ND	*3	10	0.36	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Nitroaniline	ND	*3	10	0.25	ug/L		06/30/23 15:03	07/04/23 06:20	1
4-Nitrophenol	ND	*3	10	1.5	ug/L		06/30/23 15:03	07/04/23 06:20	1
Acenaphthene	ND	*3	5.0	0.41	ug/L		06/30/23 15:03	07/04/23 06:20	1
Acenaphthylene	ND	*3	5.0	0.38	ug/L		06/30/23 15:03	07/04/23 06:20	1
Acetophenone	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 06:20	1
Aniline	ND	*3	10	0.61	ug/L		06/30/23 15:03	07/04/23 06:20	1
Anthracene	ND	*3	5.0	0.28	ug/L		06/30/23 15:03	07/04/23 06:20	1
Atrazine	ND	*3 *+	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzaldehyde	ND	*3	5.0	0.27	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzo(a)anthracene	0.37	J *3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzo(a)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzo(b)fluoranthene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzo(g,h,i)perylene	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 06:20	1
Benzo(k)fluoranthene	ND	*3	5.0	0.73	ug/L		06/30/23 15:03	07/04/23 06:20	1
Biphenyl	ND	*3	5.0	0.65	ug/L		06/30/23 15:03	07/04/23 06:20	1
bis (2-chloroisopropyl) ether	ND	*3	5.0	0.52	ug/L		06/30/23 15:03	07/04/23 06:20	1
Bis(2-chloroethoxy)methane	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 06:20	1
Bis(2-chloroethyl)ether	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 06:20	1
Bis(2-ethylhexyl) phthalate	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 06:20	1
Butyl benzyl phthalate	ND	*3	5.0	1.0	ug/L		06/30/23 15:03	07/04/23 06:20	1
Caprolactam	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 06:20	1
Carbazole	ND	*3	5.0	0.30	ug/L		06/30/23 15:03	07/04/23 06:20	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	*3	5.0	0.33	ug/L		06/30/23 15:03	07/04/23 06:20	1
Dibenz(a,h)anthracene	ND	*3	5.0	0.42	ug/L		06/30/23 15:03	07/04/23 06:20	1
Dibenzofuran	ND	*3	10	0.51	ug/L		06/30/23 15:03	07/04/23 06:20	1
Diethyl phthalate	ND	*3	5.0	0.22	ug/L		06/30/23 15:03	07/04/23 06:20	1
Dimethyl phthalate	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 06:20	1
Di-n-butyl phthalate	ND	*3	5.0	0.31	ug/L		06/30/23 15:03	07/04/23 06:20	1
Di-n-octyl phthalate	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 06:20	1
Fluoranthene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 06:20	1
Fluorene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 06:20	1
Hexachlorobenzene	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 06:20	1
Hexachlorobutadiene	ND	*3	5.0	0.68	ug/L		06/30/23 15:03	07/04/23 06:20	1
Hexachlorocyclopentadiene	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 06:20	1
Hexachloroethane	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 06:20	1
Indeno(1,2,3-cd)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 06:20	1
Isophorone	ND	*3	5.0	0.43	ug/L		06/30/23 15:03	07/04/23 06:20	1
Naphthalene	ND	*3	5.0	0.76	ug/L		06/30/23 15:03	07/04/23 06:20	1
Nitrobenzene	ND	*3	5.0	0.29	ug/L		06/30/23 15:03	07/04/23 06:20	1
N-Nitrosodi-n-propylamine	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 06:20	1
N-Nitrosodiphenylamine	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 06:20	1
Pentachlorophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 06:20	1
Phenanthrene	ND	*3	5.0	0.44	ug/L		06/30/23 15:03	07/04/23 06:20	1
Phenol	ND	*3	5.0	0.39	ug/L		06/30/23 15:03	07/04/23 06:20	1
Pyrene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99	*3	41 - 120	06/30/23 15:03	07/04/23 06:20	1
2-Fluorobiphenyl	84	*3	48 - 120	06/30/23 15:03	07/04/23 06:20	1
2-Fluorophenol	54	*3	35 - 120	06/30/23 15:03	07/04/23 06:20	1
Nitrobenzene-d5	81	*3	46 - 120	06/30/23 15:03	07/04/23 06:20	1
Phenol-d5	39	*3	22 - 120	06/30/23 15:03	07/04/23 06:20	1
p-Terphenyl-d14	79	*3	60 - 148	06/30/23 15:03	07/04/23 06:20	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		07/03/23 08:04	07/06/23 20:56	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 20:56	1
Arsenic	ND		0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 20:56	1
Barium	0.040		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 20:56	1
Beryllium	ND		0.0020	0.00030	mg/L		07/03/23 08:04	07/11/23 22:41	1
Cadmium	ND		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 20:56	1
Calcium	124		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:56	1
Chromium	ND		0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 20:56	1
Cobalt	ND		0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 20:56	1
Copper	ND		0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 20:56	1
Iron	0.086	B	0.050	0.019	mg/L		07/12/23 14:02	07/14/23 12:44	1
Lead	ND		0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 20:56	1
Magnesium	18.2		0.20	0.043	mg/L		07/03/23 08:04	07/06/23 20:56	1
Manganese	0.11	B	0.0030	0.00040	mg/L		07/03/23 08:04	07/11/23 22:41	1
Nickel	0.0013	J	0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 20:56	1
Potassium	8.8		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:56	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 20:56	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 20:56	1
Sodium	100		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 20:56	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 20:56	1
Vanadium	ND		0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 20:56	1
Zinc	ND		0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 20:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 12:07	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Date Collected: 06/29/23 10:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			07/03/23 17:46	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/03/23 17:46	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/03/23 17:46	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/03/23 17:46	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/03/23 17:46	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/03/23 17:46	4
1,2,4-Trichlorobenzene	1.9	J	4.0	1.6	ug/L			07/03/23 17:46	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/03/23 17:46	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/03/23 17:46	4
1,2-Dichlorobenzene	180		4.0	3.2	ug/L			07/03/23 17:46	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/03/23 17:46	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/03/23 17:46	4
1,3-Dichlorobenzene	31		4.0	3.1	ug/L			07/03/23 17:46	4
2-Butanone (MEK)	ND		40	5.3	ug/L			07/03/23 17:46	4
2-Hexanone	ND		20	5.0	ug/L			07/03/23 17:46	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/03/23 17:46	4
Acetone	ND		40	12	ug/L			07/03/23 17:46	4
Benzene	43		4.0	1.6	ug/L			07/03/23 17:46	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/03/23 17:46	4
Bromoform	ND		4.0	1.0	ug/L			07/03/23 17:46	4
Bromomethane	ND		4.0	2.8	ug/L			07/03/23 17:46	4
Carbon disulfide	ND		4.0	0.76	ug/L			07/03/23 17:46	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/03/23 17:46	4
Chloroethane	ND		4.0	1.3	ug/L			07/03/23 17:46	4
Chloroform	ND		4.0	1.4	ug/L			07/03/23 17:46	4
Chloromethane	ND		4.0	1.4	ug/L			07/03/23 17:46	4
cis-1,2-Dichloroethene	11		4.0	3.2	ug/L			07/03/23 17:46	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/03/23 17:46	4
Cyclohexane	ND		4.0	0.72	ug/L			07/03/23 17:46	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/03/23 17:46	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/03/23 17:46	4
Ethylbenzene	23		4.0	3.0	ug/L			07/03/23 17:46	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/03/23 17:46	4
Methyl acetate	ND		10	5.2	ug/L			07/03/23 17:46	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/03/23 17:46	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/03/23 17:46	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/03/23 17:46	4
Styrene	ND		4.0	2.9	ug/L			07/03/23 17:46	4
Tetrachloroethene	5.4		4.0	1.4	ug/L			07/03/23 17:46	4
Toluene	72		4.0	2.0	ug/L			07/03/23 17:46	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/03/23 17:46	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/03/23 17:46	4
Trichloroethene	28		4.0	1.8	ug/L			07/03/23 17:46	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/03/23 17:46	4
Vinyl chloride	ND		4.0	3.6	ug/L			07/03/23 17:46	4
Xylenes, Total	23		8.0	2.6	ug/L			07/03/23 17:46	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/03/23 17:46	4
4-Bromofluorobenzene (Surr)	102		73 - 120		07/03/23 17:46	4

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Date Collected: 06/29/23 10:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		80 - 120		07/03/23 17:46	4
Dibromofluoromethane (Surr)	97		75 - 123		07/03/23 17:46	4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4000	3400	ug/L			07/06/23 13:12	4000
Chlorobenzene	150000	F1	4000	3000	ug/L			07/06/23 13:12	4000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		07/06/23 13:12	4000
4-Bromofluorobenzene (Surr)	99		73 - 120		07/06/23 13:12	4000
Toluene-d8 (Surr)	95		80 - 120		07/06/23 13:12	4000
Dibromofluoromethane (Surr)	95		75 - 123		07/06/23 13:12	4000

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,4-Dichlorophenol	ND		100	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,4-Dimethylphenol	ND		100	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,4-Dinitrophenol	ND		200	44	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		06/30/23 15:03	07/05/23 17:00	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Chloronaphthalene	ND		100	9.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Chlorophenol	78	J	100	11	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Methylnaphthalene	ND		100	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Methylphenol	ND		100	8.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Nitroaniline	ND		200	8.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
2-Nitrophenol	ND		100	9.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
3-Nitroaniline	ND		200	9.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Chloroaniline	ND		100	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Methylphenol	ND		200	7.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Nitroaniline	ND		200	5.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
4-Nitrophenol	ND		200	30	ug/L		06/30/23 15:03	07/05/23 17:00	20
Acenaphthene	ND		100	8.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Acenaphthylene	ND		100	7.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
Acetophenone	ND		100	11	ug/L		06/30/23 15:03	07/05/23 17:00	20
Aniline	ND		200	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
Anthracene	ND		100	5.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
Atrazine	ND	*+	100	9.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Benzaldehyde	ND		100	5.3	ug/L		06/30/23 15:03	07/05/23 17:00	20
Benzo(a)anthracene	ND		100	7.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Benzo(a)pyrene	ND		100	9.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		06/30/23 15:03	07/05/23 17:00	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		06/30/23 15:03	07/05/23 17:00	20

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Date Collected: 06/29/23 10:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND		100	15	ug/L		06/30/23 15:03	07/05/23 17:00	20
Biphenyl	ND		100	13	ug/L		06/30/23 15:03	07/05/23 17:00	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		06/30/23 15:03	07/05/23 17:00	20
Butyl benzyl phthalate	ND		100	20	ug/L		06/30/23 15:03	07/05/23 17:00	20
Caprolactam	ND		100	44	ug/L		06/30/23 15:03	07/05/23 17:00	20
Carbazole	ND		100	6.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
Chrysene	ND		100	6.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
Dibenzofuran	ND		200	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
Diethyl phthalate	ND		100	4.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
Dimethyl phthalate	ND		100	7.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
Fluoranthene	ND		100	8.0	ug/L		06/30/23 15:03	07/05/23 17:00	20
Fluorene	ND		100	7.2	ug/L		06/30/23 15:03	07/05/23 17:00	20
Hexachlorobenzene	ND		100	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
Hexachlorobutadiene	ND		100	14	ug/L		06/30/23 15:03	07/05/23 17:00	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
Hexachloroethane	ND		100	12	ug/L		06/30/23 15:03	07/05/23 17:00	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		06/30/23 15:03	07/05/23 17:00	20
Isophorone	ND		100	8.6	ug/L		06/30/23 15:03	07/05/23 17:00	20
Naphthalene	ND		100	15	ug/L		06/30/23 15:03	07/05/23 17:00	20
Nitrobenzene	ND		100	5.8	ug/L		06/30/23 15:03	07/05/23 17:00	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		06/30/23 15:03	07/05/23 17:00	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		06/30/23 15:03	07/05/23 17:00	20
Pentachlorophenol	ND		200	44	ug/L		06/30/23 15:03	07/05/23 17:00	20
Phenanthrene	ND		100	8.8	ug/L		06/30/23 15:03	07/05/23 17:00	20
Phenol	ND		100	7.8	ug/L		06/30/23 15:03	07/05/23 17:00	20
Pyrene	ND		100	6.8	ug/L		06/30/23 15:03	07/05/23 17:00	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		41 - 120	06/30/23 15:03	07/05/23 17:00	20
2-Fluorobiphenyl	70		48 - 120	06/30/23 15:03	07/05/23 17:00	20
2-Fluorophenol	39		35 - 120	06/30/23 15:03	07/05/23 17:00	20
Nitrobenzene-d5	51		46 - 120	06/30/23 15:03	07/05/23 17:00	20
Phenol-d5	28		22 - 120	06/30/23 15:03	07/05/23 17:00	20
p-Terphenyl-d14	60		60 - 148	06/30/23 15:03	07/05/23 17:00	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.077	J	0.20	0.060	mg/L		07/03/23 08:04	07/06/23 21:00	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 21:00	1
Arsenic	0.011	J	0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 21:00	1
Barium	0.024		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 21:00	1
Beryllium	ND		0.0020	0.00030	mg/L		07/03/23 08:04	07/11/23 22:56	1
Cadmium	ND		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 21:00	1
Calcium	326		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 21:00	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Date Collected: 06/29/23 10:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 21:00	1
Cobalt	0.0021	J	0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 21:00	1
Copper	0.0047	J	0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 21:00	1
Iron	4.7	B	0.050	0.019	mg/L		07/03/23 08:04	07/11/23 22:56	1
Lead	ND		0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 21:00	1
Magnesium	95.3		0.20	0.043	mg/L		07/03/23 08:04	07/06/23 21:00	1
Manganese	0.77	B	0.0030	0.00040	mg/L		07/03/23 08:04	07/11/23 22:56	1
Nickel	0.0054	J	0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 21:00	1
Potassium	2.7		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 21:00	1
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 21:00	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 21:00	1
Sodium	136		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 21:00	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 21:00	1
Vanadium	ND		0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 21:00	1
Zinc	0.0044	J	0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 21:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 12:08	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Date Collected: 06/29/23 08:35

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/05/23 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/05/23 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/05/23 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/05/23 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/05/23 15:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/05/23 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/05/23 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/05/23 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/05/23 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/05/23 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/05/23 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/05/23 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/05/23 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/05/23 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/05/23 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			07/05/23 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/05/23 15:30	1
Acetone	ND		10	3.0	ug/L			07/05/23 15:30	1
Benzene	ND		1.0	0.41	ug/L			07/05/23 15:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/05/23 15:30	1
Bromoform	ND		1.0	0.26	ug/L			07/05/23 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			07/05/23 15:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/05/23 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/05/23 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/05/23 15:30	1
Chloroethane	ND	F1	1.0	0.32	ug/L			07/05/23 15:30	1
Chloroform	ND		1.0	0.34	ug/L			07/05/23 15:30	1
Chloromethane	ND	F1	1.0	0.35	ug/L			07/05/23 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/05/23 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/05/23 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			07/05/23 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/05/23 15:30	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			07/05/23 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/23 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/23 15:30	1
Methyl acetate	ND		2.5	1.3	ug/L			07/05/23 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/23 15:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/05/23 15:30	1
Methylene Chloride	ND	F1	1.0	0.44	ug/L			07/05/23 15:30	1
Styrene	ND		1.0	0.73	ug/L			07/05/23 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/05/23 15:30	1
Toluene	ND		1.0	0.51	ug/L			07/05/23 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/05/23 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/05/23 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			07/05/23 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/05/23 15:30	1
Vinyl chloride	ND	F1	1.0	0.90	ug/L			07/05/23 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/23 15:30	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Date Collected: 06/29/23 08:35

Matrix: Ground Water

Date Received: 06/29/23 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/05/23 15:30	1
4-Bromofluorobenzene (Surr)	96		73 - 120		07/05/23 15:30	1
Toluene-d8 (Surr)	93		80 - 120		07/05/23 15:30	1
Dibromofluoromethane (Surr)	105		75 - 123		07/05/23 15:30	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,4,6-Trichlorophenol	ND	*3	5.0	0.61	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,4-Dichlorophenol	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,4-Dimethylphenol	ND	*3	5.0	0.50	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,4-Dinitrophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,4-Dinitrotoluene	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 01:24	1
2,6-Dinitrotoluene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Chloronaphthalene	ND	*3	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Chlorophenol	ND	*3	5.0	0.53	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Methylnaphthalene	ND	*3	5.0	0.60	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Methylphenol	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Nitroaniline	ND	*3	10	0.42	ug/L		06/30/23 15:03	07/04/23 01:24	1
2-Nitrophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/04/23 01:24	1
3,3'-Dichlorobenzidine	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 01:24	1
3-Nitroaniline	ND	*3	10	0.48	ug/L		06/30/23 15:03	07/04/23 01:24	1
4,6-Dinitro-2-methylphenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Bromophenyl phenyl ether	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Chloro-3-methylphenol	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Chloroaniline	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Chlorophenyl phenyl ether	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Methylphenol	ND	*3	10	0.36	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Nitroaniline	ND	*3	10	0.25	ug/L		06/30/23 15:03	07/04/23 01:24	1
4-Nitrophenol	ND	*3	10	1.5	ug/L		06/30/23 15:03	07/04/23 01:24	1
Acenaphthene	ND	*3	5.0	0.41	ug/L		06/30/23 15:03	07/04/23 01:24	1
Acenaphthylene	ND	*3	5.0	0.38	ug/L		06/30/23 15:03	07/04/23 01:24	1
Acetophenone	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 01:24	1
Aniline	ND	*3	10	0.61	ug/L		06/30/23 15:03	07/04/23 01:24	1
Anthracene	ND	*3	5.0	0.28	ug/L		06/30/23 15:03	07/04/23 01:24	1
Atrazine	ND	*3 *+	5.0	0.46	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzaldehyde	ND	*3	5.0	0.27	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzo(a)anthracene	0.38	J *3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzo(a)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzo(b)fluoranthene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzo(g,h,i)perylene	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 01:24	1
Benzo(k)fluoranthene	ND	*3	5.0	0.73	ug/L		06/30/23 15:03	07/04/23 01:24	1
Biphenyl	ND	*3	5.0	0.65	ug/L		06/30/23 15:03	07/04/23 01:24	1
bis (2-chloroisopropyl) ether	ND	*3	5.0	0.52	ug/L		06/30/23 15:03	07/04/23 01:24	1
Bis(2-chloroethoxy)methane	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/04/23 01:24	1
Bis(2-chloroethyl)ether	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 01:24	1
Bis(2-ethylhexyl) phthalate	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 01:24	1
Butyl benzyl phthalate	ND	*3	5.0	1.0	ug/L		06/30/23 15:03	07/04/23 01:24	1
Caprolactam	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/04/23 01:24	1
Carbazole	ND	*3	5.0	0.30	ug/L		06/30/23 15:03	07/04/23 01:24	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Date Collected: 06/29/23 08:35

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	*3	5.0	0.33	ug/L		06/30/23 15:03	07/04/23 01:24	1
Dibenz(a,h)anthracene	ND	*3	5.0	0.42	ug/L		06/30/23 15:03	07/04/23 01:24	1
Dibenzofuran	ND	*3	10	0.51	ug/L		06/30/23 15:03	07/04/23 01:24	1
Diethyl phthalate	ND	*3	5.0	0.22	ug/L		06/30/23 15:03	07/04/23 01:24	1
Dimethyl phthalate	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 01:24	1
Di-n-butyl phthalate	ND	*3	5.0	0.31	ug/L		06/30/23 15:03	07/04/23 01:24	1
Di-n-octyl phthalate	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 01:24	1
Fluoranthene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/04/23 01:24	1
Fluorene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/04/23 01:24	1
Hexachlorobenzene	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 01:24	1
Hexachlorobutadiene	ND	*3	5.0	0.68	ug/L		06/30/23 15:03	07/04/23 01:24	1
Hexachlorocyclopentadiene	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 01:24	1
Hexachloroethane	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/04/23 01:24	1
Indeno(1,2,3-cd)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/04/23 01:24	1
Isophorone	ND	*3	5.0	0.43	ug/L		06/30/23 15:03	07/04/23 01:24	1
Naphthalene	ND	*3	5.0	0.76	ug/L		06/30/23 15:03	07/04/23 01:24	1
Nitrobenzene	ND	*3	5.0	0.29	ug/L		06/30/23 15:03	07/04/23 01:24	1
N-Nitrosodi-n-propylamine	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/04/23 01:24	1
N-Nitrosodiphenylamine	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/04/23 01:24	1
Pentachlorophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/04/23 01:24	1
Phenanthrene	ND	*3	5.0	0.44	ug/L		06/30/23 15:03	07/04/23 01:24	1
Phenol	ND	*3	5.0	0.39	ug/L		06/30/23 15:03	07/04/23 01:24	1
Pyrene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/04/23 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64	*3	41 - 120	06/30/23 15:03	07/04/23 01:24	1
2-Fluorobiphenyl	63	*3	48 - 120	06/30/23 15:03	07/04/23 01:24	1
2-Fluorophenol	39	*3	35 - 120	06/30/23 15:03	07/04/23 01:24	1
Nitrobenzene-d5	58	*3	46 - 120	06/30/23 15:03	07/04/23 01:24	1
Phenol-d5	28	*3	22 - 120	06/30/23 15:03	07/04/23 01:24	1
p-Terphenyl-d14	73	*3	60 - 148	06/30/23 15:03	07/04/23 01:24	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		07/03/23 08:04	07/06/23 21:04	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 21:04	1
Arsenic	ND		0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 21:04	1
Barium	0.052		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 21:04	1
Beryllium	ND		0.0020	0.00030	mg/L		07/03/23 08:04	07/11/23 23:00	1
Cadmium	ND		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 21:04	1
Calcium	88.5		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 21:04	1
Chromium	0.0010	J	0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 21:04	1
Cobalt	ND		0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 21:04	1
Copper	0.0042	J	0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 21:04	1
Iron	0.032	J B	0.050	0.019	mg/L		07/12/23 14:02	07/14/23 12:48	1
Lead	ND		0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 21:04	1
Magnesium	17.6	F1	0.20	0.043	mg/L		07/03/23 08:04	07/06/23 21:04	1
Manganese	0.20	B	0.0030	0.00040	mg/L		07/03/23 08:04	07/11/23 23:00	1
Nickel	0.019		0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 21:04	1
Potassium	0.94		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 21:04	1

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Date Collected: 06/29/23 08:35

Matrix: Ground Water

Date Received: 06/29/23 14:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 21:04	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 21:04	1
Sodium	127		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 21:04	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 21:04	1
Vanadium	0.0017	J	0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 21:04	1
Zinc	0.0033	J	0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 21:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 12:10	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-210385-6

Date Collected: 06/29/23 07:45

Matrix: Water

Date Received: 06/29/23 14:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/05/23 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/05/23 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/05/23 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/05/23 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/05/23 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/05/23 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/05/23 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/05/23 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/05/23 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/05/23 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/05/23 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/05/23 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/05/23 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/05/23 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/05/23 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			07/05/23 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/05/23 15:53	1
Acetone	ND		10	3.0	ug/L			07/05/23 15:53	1
Benzene	ND		1.0	0.41	ug/L			07/05/23 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/05/23 15:53	1
Bromoform	ND		1.0	0.26	ug/L			07/05/23 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			07/05/23 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/05/23 15:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/05/23 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/05/23 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			07/05/23 15:53	1
Chloroform	ND		1.0	0.34	ug/L			07/05/23 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			07/05/23 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/05/23 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/05/23 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			07/05/23 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/05/23 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/05/23 15:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/23 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/23 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			07/05/23 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/23 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/05/23 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/05/23 15:53	1
Styrene	ND		1.0	0.73	ug/L			07/05/23 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/05/23 15:53	1
Toluene	ND		1.0	0.51	ug/L			07/05/23 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/05/23 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/05/23 15:53	1
Trichloroethene	ND		1.0	0.46	ug/L			07/05/23 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/05/23 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/05/23 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/23 15:53	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-210385-6

Date Collected: 06/29/23 07:45

Matrix: Water

Date Received: 06/29/23 14:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/05/23 15:53	1
4-Bromofluorobenzene (Surr)	108		73 - 120		07/05/23 15:53	1
Toluene-d8 (Surr)	95		80 - 120		07/05/23 15:53	1
Dibromofluoromethane (Surr)	102		75 - 123		07/05/23 15:53	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-210385-1	BCC Area E RFI33 D	98	109	99	104
480-210385-2	BCC Area E MW-E05	98	101	95	102
480-210385-2 - DL	BCC Area E MW-E05	97	102	95	102
480-210385-3	BCC Area E RFI-29	97	105	94	105
480-210385-4	BCC Area E RFI-32A	94	102	114	97
480-210385-4 - DL	BCC Area E RFI-32A	90	99	95	95
480-210385-4 MS	BCC Area E RFI-32A	97	102	98	100
480-210385-4 MSD	BCC Area E RFI-32A	91	106	98	95
480-210385-5	BCC Area E RFI-33	98	96	93	105
480-210385-5 MS	BCC Area E RFI-33 MS	96	107	96	106
480-210385-5 MSD	BCC Area E RFI-33 MSD	93	107	97	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-210385-6	TRIP BLANK	94	108	95	102
LCS 480-675207/6	Lab Control Sample	95	102	93	104
LCS 480-675315/6	Lab Control Sample	93	101	94	100
LCS 480-675413/6	Lab Control Sample	92	104	98	94
MB 480-675207/8	Method Blank	92	100	97	103
MB 480-675315/9	Method Blank	94	98	94	104
MB 480-675413/9	Method Blank	92	101	95	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-210385-1	BCC Area E RFI33 D	80	72	41	55	26	71
480-210385-2	BCC Area E MW-E05	101 *3	97 *3	62 *3	92 *3	44 *3	82 *3
480-210385-3	BCC Area E RFI-29	99 *3	84 *3	54 *3	81 *3	39 *3	79 *3
480-210385-4	BCC Area E RFI-32A	93	70	39	51	28	60
480-210385-5	BCC Area E RFI-33	64 *3	63 *3	39 *3	58 *3	28 *3	73 *3
480-210385-5 MS	BCC Area E RFI-33 MS	101 *3	83 *3	58 *3	81 *3	47 *3	73 *3
480-210385-5 MSD	BCC Area E RFI-33 MSD	106 *3	86 *3	60 *3	87 *3	47 *3	75 *3

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 PHL = Phenol-d5
 TPHd14 = p-Terphenyl-d14

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
LCS 480-675110/2-A	Lab Control Sample	99 *3	92 *3	66 *3	97 *3	51 *3	91 *3
MB 480-675110/1-A	Method Blank	74 *3	94 *3	66 *3	97 *3	47 *3	96 *3

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 PHL = Phenol-d5
 TPHd14 = p-Terphenyl-d14



QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-675207/8

Matrix: Water

Analysis Batch: 675207

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/03/23 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/03/23 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/03/23 12:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/03/23 12:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/03/23 12:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/03/23 12:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/03/23 12:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/03/23 12:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/03/23 12:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/03/23 12:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/03/23 12:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/03/23 12:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/03/23 12:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/03/23 12:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/03/23 12:41	1
2-Hexanone	ND		5.0	1.2	ug/L			07/03/23 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/03/23 12:41	1
Acetone	ND		10	3.0	ug/L			07/03/23 12:41	1
Benzene	ND		1.0	0.41	ug/L			07/03/23 12:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/03/23 12:41	1
Bromoform	ND		1.0	0.26	ug/L			07/03/23 12:41	1
Bromomethane	ND		1.0	0.69	ug/L			07/03/23 12:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/03/23 12:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/03/23 12:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/03/23 12:41	1
Chloroethane	ND		1.0	0.32	ug/L			07/03/23 12:41	1
Chloroform	ND		1.0	0.34	ug/L			07/03/23 12:41	1
Chloromethane	ND		1.0	0.35	ug/L			07/03/23 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/03/23 12:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/03/23 12:41	1
Cyclohexane	ND		1.0	0.18	ug/L			07/03/23 12:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/03/23 12:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/03/23 12:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/03/23 12:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/03/23 12:41	1
Methyl acetate	ND		2.5	1.3	ug/L			07/03/23 12:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/03/23 12:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/03/23 12:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/03/23 12:41	1
Styrene	ND		1.0	0.73	ug/L			07/03/23 12:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/03/23 12:41	1
Toluene	ND		1.0	0.51	ug/L			07/03/23 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/03/23 12:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/03/23 12:41	1
Trichloroethene	ND		1.0	0.46	ug/L			07/03/23 12:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/03/23 12:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/03/23 12:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/03/23 12:41	1

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: MB 480-675207/8

Matrix: Water

Analysis Batch: 675207

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		07/03/23 12:41	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/03/23 12:41	1
Toluene-d8 (Surr)	97		80 - 120		07/03/23 12:41	1
Dibromofluoromethane (Surr)	103		75 - 123		07/03/23 12:41	1

Lab Sample ID: LCS 480-675207/6

Matrix: Water

Analysis Batch: 675207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	21.0		ug/L		84	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.5		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	20.3		ug/L		81	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.4		ug/L		86	56 - 134
1,2-Dibromoethane	25.0	20.0		ug/L		80	77 - 120
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	22.0		ug/L		88	77 - 120
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120
2-Butanone (MEK)	125	104		ug/L		83	57 - 140
2-Hexanone	125	88.8		ug/L		71	65 - 127
4-Methyl-2-pentanone (MIBK)	125	103		ug/L		82	71 - 125
Acetone	125	104		ug/L		83	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	22.2		ug/L		89	80 - 122
Bromoform	25.0	23.7		ug/L		95	61 - 132
Bromomethane	25.0	22.9		ug/L		91	55 - 144
Carbon disulfide	25.0	23.1		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	25.0	22.0		ug/L		88	80 - 120
Chloroethane	25.0	23.8		ug/L		95	69 - 136
Chloroform	25.0	22.9		ug/L		92	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	25.3		ug/L		101	59 - 135
Dibromochloromethane	25.0	21.9		ug/L		88	75 - 125
Dichlorodifluoromethane	25.0	20.5		ug/L		82	59 - 135
Ethylbenzene	25.0	22.8		ug/L		91	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	45.4		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: LCS 480-675207/6

Matrix: Water

Analysis Batch: 675207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	27.3		ug/L		109	75 - 124
Styrene	25.0	22.8		ug/L		91	80 - 120
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	21.2		ug/L		85	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	19.9		ug/L		80	80 - 120
Trichloroethene	25.0	22.9		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	22.1		ug/L		88	62 - 150
Vinyl chloride	25.0	23.6		ug/L		94	65 - 133
Xylenes, Total	50.0	47.3		ug/L		95	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-675315/9

Matrix: Water

Analysis Batch: 675315

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/05/23 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/05/23 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/05/23 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/05/23 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/05/23 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/05/23 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/05/23 11:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/05/23 11:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/05/23 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/05/23 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/05/23 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/05/23 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/05/23 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/05/23 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/05/23 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			07/05/23 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/05/23 11:47	1
Acetone	ND		10	3.0	ug/L			07/05/23 11:47	1
Benzene	ND		1.0	0.41	ug/L			07/05/23 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/05/23 11:47	1
Bromoform	ND		1.0	0.26	ug/L			07/05/23 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			07/05/23 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/05/23 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/05/23 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/05/23 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			07/05/23 11:47	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: MB 480-675315/9

Matrix: Water

Analysis Batch: 675315

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroform	ND		1.0	0.34	ug/L			07/05/23 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			07/05/23 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/05/23 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/05/23 11:47	1
Cyclohexane	ND		1.0	0.18	ug/L			07/05/23 11:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/05/23 11:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/05/23 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/05/23 11:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/05/23 11:47	1
Methyl acetate	ND		2.5	1.3	ug/L			07/05/23 11:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/05/23 11:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/05/23 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/05/23 11:47	1
Styrene	ND		1.0	0.73	ug/L			07/05/23 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/05/23 11:47	1
Toluene	ND		1.0	0.51	ug/L			07/05/23 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/05/23 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/05/23 11:47	1
Trichloroethene	ND		1.0	0.46	ug/L			07/05/23 11:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/05/23 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/05/23 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/05/23 11:47	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/05/23 11:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		07/05/23 11:47	1
Toluene-d8 (Surr)	94		80 - 120		07/05/23 11:47	1
Dibromofluoromethane (Surr)	104		75 - 123		07/05/23 11:47	1

Lab Sample ID: LCS 480-675315/6

Matrix: Water

Analysis Batch: 675315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	21.6		ug/L		87	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	22.8		ug/L		91	77 - 120
1,2-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	22.1		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	21.8		ug/L		87	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: LCS 480-675315/6

Matrix: Water

Analysis Batch: 675315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2-Butanone (MEK)	125	109		ug/L		87	57 - 140
2-Hexanone	125	96.7		ug/L		77	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125
Acetone	125	110		ug/L		88	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.2		ug/L		93	80 - 122
Bromoform	25.0	22.5		ug/L		90	61 - 132
Bromomethane	25.0	26.1		ug/L		104	55 - 144
Carbon disulfide	25.0	21.8		ug/L		87	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	25.0	21.9		ug/L		88	80 - 120
Chloroethane	25.0	26.8		ug/L		107	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	27.7		ug/L		111	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Cyclohexane	25.0	22.8		ug/L		91	59 - 135
Dibromochloromethane	25.0	23.2		ug/L		93	75 - 125
Dichlorodifluoromethane	25.0	29.0		ug/L		116	59 - 135
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	50.0	41.9		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	23.9		ug/L		95	68 - 134
Methylene Chloride	25.0	26.1		ug/L		105	75 - 124
Styrene	25.0	22.7		ug/L		91	80 - 120
Tetrachloroethene	25.0	22.6		ug/L		91	74 - 122
Toluene	25.0	21.6		ug/L		87	80 - 122
trans-1,2-Dichloroethene	25.0	24.6		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	22.9		ug/L		92	80 - 120
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	24.4		ug/L		98	62 - 150
Vinyl chloride	25.0	28.7		ug/L		115	65 - 133
Xylenes, Total	50.0	46.3		ug/L		93	76 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-210385-5 MS

Matrix: Ground Water

Analysis Batch: 675315

Client Sample ID: BCC Area E RFI-33 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	28.4		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.3		ug/L		93	76 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MS

Client Sample ID: BCC Area E RFI-33 MS

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 675315

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.4		ug/L		110	61 - 148
1,1,2-Trichloroethane	ND		25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	ND		25.0	28.9		ug/L		116	77 - 120
1,1-Dichloroethene	ND		25.0	28.3		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	27.0		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	21.8		ug/L		87	56 - 134
1,2-Dibromoethane	ND		25.0	23.6		ug/L		94	77 - 120
1,2-Dichlorobenzene	ND		25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	ND		25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	ND		25.0	27.5		ug/L		110	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.7		ug/L		99	78 - 124
2-Butanone (MEK)	ND		125	123		ug/L		99	57 - 140
2-Hexanone	ND		125	108		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	115		ug/L		92	71 - 125
Acetone	ND		125	125		ug/L		100	56 - 142
Benzene	ND		25.0	28.0		ug/L		112	71 - 124
Bromodichloromethane	ND		25.0	26.2		ug/L		105	80 - 122
Bromoform	ND		25.0	22.6		ug/L		90	61 - 132
Bromomethane	ND		25.0	32.0		ug/L		128	55 - 144
Carbon disulfide	ND		25.0	25.8		ug/L		103	59 - 134
Carbon tetrachloride	ND		25.0	29.4		ug/L		117	72 - 134
Chlorobenzene	ND		25.0	24.1		ug/L		96	80 - 120
Chloroethane	ND	F1	25.0	34.7	F1	ug/L		139	69 - 136
Chloroform	ND		25.0	26.2		ug/L		105	73 - 127
Chloromethane	ND	F1	25.0	33.8	F1	ug/L		135	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.2		ug/L		113	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.8		ug/L		107	74 - 124
Cyclohexane	ND		25.0	28.4		ug/L		113	59 - 135
Dibromochloromethane	ND		25.0	22.5		ug/L		90	75 - 125
Dichlorodifluoromethane	ND	F1	25.0	36.1	F1	ug/L		144	59 - 135
Ethylbenzene	ND		25.0	26.1		ug/L		104	77 - 123
Isopropylbenzene	ND		25.0	26.1		ug/L		104	77 - 122
Methyl acetate	ND		50.0	49.5		ug/L		99	74 - 133
Methyl tert-butyl ether	ND		25.0	27.9		ug/L		112	77 - 120
Methylcyclohexane	ND		25.0	27.8		ug/L		111	68 - 134
Methylene Chloride	ND	F1	25.0	31.7	F1	ug/L		127	75 - 124
Styrene	ND		25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	ND		25.0	25.9		ug/L		103	74 - 122
Toluene	ND		25.0	25.1		ug/L		101	80 - 122
trans-1,2-Dichloroethene	ND		25.0	30.7		ug/L		123	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.2		ug/L		93	80 - 120
Trichloroethene	ND		25.0	27.7		ug/L		111	74 - 123
Trichlorofluoromethane	ND		25.0	31.4		ug/L		125	62 - 150
Vinyl chloride	ND	F1	25.0	37.2	F1	ug/L		149	65 - 133
Xylenes, Total	ND		50.0	53.7		ug/L		107	76 - 122

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MS

Matrix: Ground Water

Analysis Batch: 675315

Client Sample ID: BCC Area E RFI-33 MS

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Lab Sample ID: 480-210385-5 MSD

Matrix: Ground Water

Analysis Batch: 675315

Client Sample ID: BCC Area E RFI-33 MSD

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1,1-Trichloroethane	ND		25.0	27.6		ug/L		110	73 - 126	3	15
1,1,1,2-Tetrachloroethane	ND		25.0	22.6		ug/L		91	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.7		ug/L		103	61 - 148	7	20
1,1,2-Trichloroethane	ND		25.0	25.9		ug/L		104	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	28.0		ug/L		112	77 - 120	3	20
1,1-Dichloroethene	ND		25.0	27.0		ug/L		108	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		25.0	28.0		ug/L		112	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	22.2		ug/L		89	56 - 134	2	15
1,2-Dibromoethane	ND		25.0	23.9		ug/L		96	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	24.8		ug/L		99	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	23.8		ug/L		95	75 - 120	8	20
1,2-Dichloropropane	ND		25.0	26.0		ug/L		104	76 - 120	6	20
1,3-Dichlorobenzene	ND		25.0	24.4		ug/L		98	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	24.8		ug/L		99	78 - 124	0	20
2-Butanone (MEK)	ND		125	114		ug/L		91	57 - 140	8	20
2-Hexanone	ND		125	108		ug/L		86	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		125	122		ug/L		97	71 - 125	5	35
Acetone	ND		125	115		ug/L		92	56 - 142	8	15
Benzene	ND		25.0	27.3		ug/L		109	71 - 124	3	13
Bromodichloromethane	ND		25.0	24.7		ug/L		99	80 - 122	6	15
Bromoform	ND		25.0	23.4		ug/L		94	61 - 132	4	15
Bromomethane	ND		25.0	30.7		ug/L		123	55 - 144	4	15
Carbon disulfide	ND		25.0	24.7		ug/L		99	59 - 134	4	15
Carbon tetrachloride	ND		25.0	27.6		ug/L		111	72 - 134	6	15
Chlorobenzene	ND		25.0	25.0		ug/L		100	80 - 120	4	25
Chloroethane	ND	F1	25.0	32.8		ug/L		131	69 - 136	6	15
Chloroform	ND		25.0	25.4		ug/L		102	73 - 127	3	20
Chloromethane	ND	F1	25.0	32.2	F1	ug/L		129	68 - 124	5	15
cis-1,2-Dichloroethene	ND		25.0	27.8		ug/L		111	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	74 - 124	4	15
Cyclohexane	ND		25.0	27.3		ug/L		109	59 - 135	4	20
Dibromochloromethane	ND		25.0	23.9		ug/L		95	75 - 125	6	15
Dichlorodifluoromethane	ND	F1	25.0	35.2	F1	ug/L		141	59 - 135	2	20
Ethylbenzene	ND		25.0	26.6		ug/L		106	77 - 123	2	15
Isopropylbenzene	ND		25.0	26.3		ug/L		105	77 - 122	1	20
Methyl acetate	ND		50.0	46.3		ug/L		93	74 - 133	7	20
Methyl tert-butyl ether	ND		25.0	27.0		ug/L		108	77 - 120	4	37
Methylcyclohexane	ND		25.0	26.8		ug/L		107	68 - 134	4	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MSD

Matrix: Ground Water

Analysis Batch: 675315

Client Sample ID: BCC Area E RFI-33 MSD

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	ND	F1	25.0	29.5		ug/L		118	75 - 124	7	15
Styrene	ND		25.0	26.1		ug/L		104	80 - 120	3	20
Tetrachloroethene	ND		25.0	26.8		ug/L		107	74 - 122	3	20
Toluene	ND		25.0	25.3		ug/L		101	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	29.4		ug/L		118	73 - 127	4	20
trans-1,3-Dichloropropene	ND		25.0	23.7		ug/L		95	80 - 120	2	15
Trichloroethene	ND		25.0	26.0		ug/L		104	74 - 123	7	16
Trichlorofluoromethane	ND		25.0	30.0		ug/L		120	62 - 150	4	20
Vinyl chloride	ND	F1	25.0	34.8	F1	ug/L		139	65 - 133	7	15
Xylenes, Total	ND		50.0	54.0		ug/L		108	76 - 122	1	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-675413/9

Matrix: Water

Analysis Batch: 675413

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		07/06/23 11:54	1	
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		07/06/23 11:54	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L		07/06/23 11:54	1	
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		07/06/23 11:54	1	
1,1-Dichloroethane	ND		1.0	0.38	ug/L		07/06/23 11:54	1	
1,1-Dichloroethene	ND		1.0	0.29	ug/L		07/06/23 11:54	1	
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L		07/06/23 11:54	1	
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L		07/06/23 11:54	1	
1,2-Dibromoethane	ND		1.0	0.73	ug/L		07/06/23 11:54	1	
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L		07/06/23 11:54	1	
1,2-Dichloroethane	ND		1.0	0.21	ug/L		07/06/23 11:54	1	
1,2-Dichloropropane	ND		1.0	0.72	ug/L		07/06/23 11:54	1	
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L		07/06/23 11:54	1	
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L		07/06/23 11:54	1	
2-Butanone (MEK)	ND		10	1.3	ug/L		07/06/23 11:54	1	
2-Hexanone	ND		5.0	1.2	ug/L		07/06/23 11:54	1	
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		07/06/23 11:54	1	
Acetone	ND		10	3.0	ug/L		07/06/23 11:54	1	
Benzene	ND		1.0	0.41	ug/L		07/06/23 11:54	1	
Bromodichloromethane	ND		1.0	0.39	ug/L		07/06/23 11:54	1	
Bromoform	ND		1.0	0.26	ug/L		07/06/23 11:54	1	
Bromomethane	ND		1.0	0.69	ug/L		07/06/23 11:54	1	
Carbon disulfide	ND		1.0	0.19	ug/L		07/06/23 11:54	1	
Carbon tetrachloride	ND		1.0	0.27	ug/L		07/06/23 11:54	1	
Chlorobenzene	ND		1.0	0.75	ug/L		07/06/23 11:54	1	
Chloroethane	ND		1.0	0.32	ug/L		07/06/23 11:54	1	

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: MB 480-675413/9

Matrix: Water

Analysis Batch: 675413

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroform	ND		1.0	0.34	ug/L			07/06/23 11:54	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/23 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/23 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/23 11:54	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/23 11:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/23 11:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/23 11:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/23 11:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/23 11:54	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/23 11:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/06/23 11:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/23 11:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/23 11:54	1
Styrene	ND		1.0	0.73	ug/L			07/06/23 11:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/23 11:54	1
Toluene	ND		1.0	0.51	ug/L			07/06/23 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/23 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/23 11:54	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/23 11:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/23 11:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/23 11:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/23 11:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		07/06/23 11:54	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/06/23 11:54	1
Toluene-d8 (Surr)	95		80 - 120		07/06/23 11:54	1
Dibromofluoromethane (Surr)	96		75 - 123		07/06/23 11:54	1

Lab Sample ID: LCS 480-675413/6

Matrix: Water

Analysis Batch: 675413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	28.8		ug/L		115	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	24.5		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	25.5		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: LCS 480-675413/6

Matrix: Water

Analysis Batch: 675413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
2-Hexanone	125	107		ug/L		85	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	122		ug/L		97	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	24.7		ug/L		99	61 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	23.4		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		97	72 - 134
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Chloroethane	25.0	25.6		ug/L		102	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	26.7		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	28.3		ug/L		113	74 - 124
Cyclohexane	25.0	24.6		ug/L		98	59 - 135
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	29.2		ug/L		117	59 - 135
Ethylbenzene	25.0	24.9		ug/L		100	77 - 123
Isopropylbenzene	25.0	25.4		ug/L		101	77 - 122
Methyl acetate	50.0	46.0		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		100	68 - 134
Methylene Chloride	25.0	27.4		ug/L		109	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		101	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	80 - 120
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.5		ug/L		98	62 - 150
Vinyl chloride	25.0	27.7		ug/L		111	65 - 133
Xylenes, Total	50.0	51.2		ug/L		102	76 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Lab Sample ID: 480-210385-4 MS

Matrix: Ground Water

Analysis Batch: 675413

Client Sample ID: BCC Area E RFI-32A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1,1,1-Trichloroethane	ND		100000	94500		ug/L		94	73 - 126
1,1,1,2,2-Tetrachloroethane	ND		100000	90800		ug/L		91	76 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-4 MS

Matrix: Ground Water

Analysis Batch: 675413

Client Sample ID: BCC Area E RFI-32A

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000	101000		ug/L		101	61 - 148
1,1,2-Trichloroethane	ND		100000	101000		ug/L		101	76 - 122
1,1-Dichloroethane	ND		100000	99800		ug/L		100	77 - 120
1,1-Dichloroethene	ND		100000	96300		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	ND		100000	98400		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100000	89700		ug/L		90	56 - 134
1,2-Dibromoethane	ND		100000	95100		ug/L		95	77 - 120
1,2-Dichlorobenzene	ND		100000	92500		ug/L		92	80 - 124
1,2-Dichloroethane	ND		100000	98900		ug/L		99	75 - 120
1,2-Dichloropropane	ND		100000	104000		ug/L		104	76 - 120
1,3-Dichlorobenzene	ND		100000	90400		ug/L		90	77 - 120
1,4-Dichlorobenzene	ND		100000	93200		ug/L		93	78 - 124
2-Butanone (MEK)	ND		500000	468000		ug/L		94	57 - 140
2-Hexanone	ND		500000	433000		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500000	469000		ug/L		94	71 - 125
Acetone	ND	F2	500000	467000		ug/L		93	56 - 142
Benzene	ND		100000	98600		ug/L		99	71 - 124
Bromodichloromethane	ND		100000	99300		ug/L		99	80 - 122
Bromoform	ND		100000	92700		ug/L		93	61 - 132
Bromomethane	ND		100000	103000		ug/L		103	55 - 144
Carbon disulfide	ND		100000	92800		ug/L		93	59 - 134
Carbon tetrachloride	ND		100000	102000		ug/L		102	72 - 134
Chlorobenzene	150000	F1	100000	220000	F1	ug/L		70	80 - 120
Chloroethane	ND		100000	106000		ug/L		106	69 - 136
Chloroform	ND		100000	90200		ug/L		90	73 - 127
Chloromethane	ND		100000	106000		ug/L		106	68 - 124
cis-1,2-Dichloroethene	ND		100000	98600		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		100000	106000		ug/L		106	74 - 124
Cyclohexane	ND		100000	101000		ug/L		101	59 - 135
Dibromochloromethane	ND		100000	95100		ug/L		95	75 - 125
Dichlorodifluoromethane	ND		100000	122000		ug/L		122	59 - 135
Ethylbenzene	ND		100000	93800		ug/L		94	77 - 123
Isopropylbenzene	ND		100000	91900		ug/L		92	77 - 122
Methyl acetate	ND		200000	188000		ug/L		94	74 - 133
Methyl tert-butyl ether	ND		100000	100000		ug/L		100	77 - 120
Methylcyclohexane	ND		100000	102000		ug/L		102	68 - 134
Methylene Chloride	ND		100000	110000		ug/L		110	75 - 124
Styrene	ND		100000	93800		ug/L		94	80 - 120
Tetrachloroethene	ND		100000	90000		ug/L		90	74 - 122
Toluene	ND		100000	89500		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		100000	102000		ug/L		102	73 - 127
trans-1,3-Dichloropropene	ND		100000	89400		ug/L		89	80 - 120
Trichloroethene	ND		100000	96600		ug/L		97	74 - 123
Trichlorofluoromethane	ND		100000	103000		ug/L		103	62 - 150
Vinyl chloride	ND		100000	111000		ug/L		111	65 - 133
Xylenes, Total	ND		200000	189000		ug/L		95	76 - 122

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-4 MS

Matrix: Ground Water

Analysis Batch: 675413

Client Sample ID: BCC Area E RFI-32A

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-210385-4 MSD

Matrix: Ground Water

Analysis Batch: 675413

Client Sample ID: BCC Area E RFI-32A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100000	95900		ug/L		96	73 - 126	1	15
1,1,1,2-Tetrachloroethane	ND		100000	96000		ug/L		96	76 - 120	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000	103000		ug/L		103	61 - 148	3	20
1,1,2-Trichloroethane	ND		100000	102000		ug/L		102	76 - 122	1	15
1,1-Dichloroethane	ND		100000	98400		ug/L		98	77 - 120	1	20
1,1-Dichloroethene	ND		100000	99800		ug/L		100	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		100000	109000		ug/L		109	79 - 122	10	20
1,2-Dibromo-3-Chloropropane	ND		100000	95500		ug/L		96	56 - 134	6	15
1,2-Dibromoethane	ND		100000	95800		ug/L		96	77 - 120	1	15
1,2-Dichlorobenzene	ND		100000	98700		ug/L		99	80 - 124	7	20
1,2-Dichloroethane	ND		100000	93200		ug/L		93	75 - 120	6	20
1,2-Dichloropropane	ND		100000	97000		ug/L		97	76 - 120	6	20
1,3-Dichlorobenzene	ND		100000	98100		ug/L		98	77 - 120	8	20
1,4-Dichlorobenzene	ND		100000	97000		ug/L		97	78 - 124	4	20
2-Butanone (MEK)	ND		500000	434000		ug/L		87	57 - 140	8	20
2-Hexanone	ND		500000	438000		ug/L		88	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		500000	472000		ug/L		94	71 - 125	1	35
Acetone	ND	F2	500000	394000	F2	ug/L		79	56 - 142	17	15
Benzene	ND		100000	97700		ug/L		98	71 - 124	1	13
Bromodichloromethane	ND		100000	95900		ug/L		96	80 - 122	3	15
Bromoform	ND		100000	92600		ug/L		93	61 - 132	0	15
Bromomethane	ND		100000	103000		ug/L		103	55 - 144	0	15
Carbon disulfide	ND		100000	92800		ug/L		93	59 - 134	0	15
Carbon tetrachloride	ND		100000	100000		ug/L		100	72 - 134	1	15
Chlorobenzene	150000	F1	100000	232000		ug/L		83	80 - 120	5	25
Chloroethane	ND		100000	107000		ug/L		107	69 - 136	1	15
Chloroform	ND		100000	91900		ug/L		92	73 - 127	2	20
Chloromethane	ND		100000	107000		ug/L		107	68 - 124	2	15
cis-1,2-Dichloroethene	ND		100000	97700		ug/L		98	74 - 124	1	15
cis-1,3-Dichloropropene	ND		100000	99000		ug/L		99	74 - 124	6	15
Cyclohexane	ND		100000	103000		ug/L		103	59 - 135	1	20
Dibromochloromethane	ND		100000	98700		ug/L		99	75 - 125	4	15
Dichlorodifluoromethane	ND		100000	122000		ug/L		122	59 - 135	1	20
Ethylbenzene	ND		100000	96300		ug/L		96	77 - 123	3	15
Isopropylbenzene	ND		100000	101000		ug/L		101	77 - 122	10	20
Methyl acetate	ND		200000	160000		ug/L		80	74 - 133	16	20
Methyl tert-butyl ether	ND		100000	95200		ug/L		95	77 - 120	5	37
Methylcyclohexane	ND		100000	102000		ug/L		102	68 - 134	0	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-4 MSD
Matrix: Ground Water
Analysis Batch: 675413

Client Sample ID: BCC Area E RFI-32A
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	ND		100000	109000		ug/L		109	75 - 124	1	15
Styrene	ND		100000	100000		ug/L		100	80 - 120	6	20
Tetrachloroethene	ND		100000	97300		ug/L		97	74 - 122	8	20
Toluene	ND		100000	94300		ug/L		94	80 - 122	5	15
trans-1,2-Dichloroethene	ND		100000	101000		ug/L		101	73 - 127	1	20
trans-1,3-Dichloropropene	ND		100000	97400		ug/L		97	80 - 120	9	15
Trichloroethene	ND		100000	97000		ug/L		97	74 - 123	0	16
Trichlorofluoromethane	ND		100000	103000		ug/L		103	62 - 150	0	20
Vinyl chloride	ND		100000	118000		ug/L		118	65 - 133	6	15
Xylenes, Total	ND		200000	201000		ug/L		101	76 - 122	6	16
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	91		77 - 120								
4-Bromofluorobenzene (Surr)	106		73 - 120								
Toluene-d8 (Surr)	98		80 - 120								
Dibromofluoromethane (Surr)	95		75 - 123								

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

Lab Sample ID: MB 480-675110/1-A
Matrix: Water
Analysis Batch: 675282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675110

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,4,6-Trichlorophenol	ND	*3	5.0	0.61	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,4-Dichlorophenol	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,4-Dimethylphenol	ND	*3	5.0	0.50	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,4-Dinitrophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,4-Dinitrotoluene	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/03/23 22:15	1
2,6-Dinitrotoluene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Chloronaphthalene	ND	*3	5.0	0.46	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Chlorophenol	ND	*3	5.0	0.53	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Methylnaphthalene	ND	*3	5.0	0.60	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Methylphenol	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Nitroaniline	ND	*3	10	0.42	ug/L		06/30/23 15:03	07/03/23 22:15	1
2-Nitrophenol	ND	*3	5.0	0.48	ug/L		06/30/23 15:03	07/03/23 22:15	1
3,3'-Dichlorobenzidine	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/03/23 22:15	1
3-Nitroaniline	ND	*3	10	0.48	ug/L		06/30/23 15:03	07/03/23 22:15	1
4,6-Dinitro-2-methylphenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Bromophenyl phenyl ether	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Chloro-3-methylphenol	ND	*3	5.0	0.45	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Chloroaniline	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Chlorophenyl phenyl ether	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Methylphenol	ND	*3	10	0.36	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Nitroaniline	ND	*3	10	0.25	ug/L		06/30/23 15:03	07/03/23 22:15	1
4-Nitrophenol	ND	*3	10	1.5	ug/L		06/30/23 15:03	07/03/23 22:15	1
Acenaphthene	ND	*3	5.0	0.41	ug/L		06/30/23 15:03	07/03/23 22:15	1
Acenaphthylene	ND	*3	5.0	0.38	ug/L		06/30/23 15:03	07/03/23 22:15	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: MB 480-675110/1-A

Matrix: Water

Analysis Batch: 675282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 675110

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetophenone	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/03/23 22:15	1
Aniline	ND	*3	10	0.61	ug/L		06/30/23 15:03	07/03/23 22:15	1
Anthracene	ND	*3	5.0	0.28	ug/L		06/30/23 15:03	07/03/23 22:15	1
Atrazine	ND	*3	5.0	0.46	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzaldehyde	ND	*3	5.0	0.27	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzo(a)anthracene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzo(a)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzo(b)fluoranthene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzo(g,h,i)perylene	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/03/23 22:15	1
Benzo(k)fluoranthene	ND	*3	5.0	0.73	ug/L		06/30/23 15:03	07/03/23 22:15	1
Biphenyl	ND	*3	5.0	0.65	ug/L		06/30/23 15:03	07/03/23 22:15	1
bis (2-chloroisopropyl) ether	ND	*3	5.0	0.52	ug/L		06/30/23 15:03	07/03/23 22:15	1
Bis(2-chloroethoxy)methane	ND	*3	5.0	0.35	ug/L		06/30/23 15:03	07/03/23 22:15	1
Bis(2-chloroethyl)ether	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/03/23 22:15	1
Bis(2-ethylhexyl) phthalate	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/03/23 22:15	1
Butyl benzyl phthalate	ND	*3	5.0	1.0	ug/L		06/30/23 15:03	07/03/23 22:15	1
Caprolactam	ND	*3	5.0	2.2	ug/L		06/30/23 15:03	07/03/23 22:15	1
Carbazole	ND	*3	5.0	0.30	ug/L		06/30/23 15:03	07/03/23 22:15	1
Chrysene	ND	*3	5.0	0.33	ug/L		06/30/23 15:03	07/03/23 22:15	1
Dibenz(a,h)anthracene	ND	*3	5.0	0.42	ug/L		06/30/23 15:03	07/03/23 22:15	1
Dibenzofuran	ND	*3	10	0.51	ug/L		06/30/23 15:03	07/03/23 22:15	1
Diethyl phthalate	ND	*3	5.0	0.22	ug/L		06/30/23 15:03	07/03/23 22:15	1
Dimethyl phthalate	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/03/23 22:15	1
Di-n-butyl phthalate	ND	*3	5.0	0.31	ug/L		06/30/23 15:03	07/03/23 22:15	1
Di-n-octyl phthalate	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/03/23 22:15	1
Fluoranthene	ND	*3	5.0	0.40	ug/L		06/30/23 15:03	07/03/23 22:15	1
Fluorene	ND	*3	5.0	0.36	ug/L		06/30/23 15:03	07/03/23 22:15	1
Hexachlorobenzene	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/03/23 22:15	1
Hexachlorobutadiene	ND	*3	5.0	0.68	ug/L		06/30/23 15:03	07/03/23 22:15	1
Hexachlorocyclopentadiene	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/03/23 22:15	1
Hexachloroethane	ND	*3	5.0	0.59	ug/L		06/30/23 15:03	07/03/23 22:15	1
Indeno(1,2,3-cd)pyrene	ND	*3	5.0	0.47	ug/L		06/30/23 15:03	07/03/23 22:15	1
Isophorone	ND	*3	5.0	0.43	ug/L		06/30/23 15:03	07/03/23 22:15	1
Naphthalene	ND	*3	5.0	0.76	ug/L		06/30/23 15:03	07/03/23 22:15	1
Nitrobenzene	ND	*3	5.0	0.29	ug/L		06/30/23 15:03	07/03/23 22:15	1
N-Nitrosodi-n-propylamine	ND	*3	5.0	0.54	ug/L		06/30/23 15:03	07/03/23 22:15	1
N-Nitrosodiphenylamine	ND	*3	5.0	0.51	ug/L		06/30/23 15:03	07/03/23 22:15	1
Pentachlorophenol	ND	*3	10	2.2	ug/L		06/30/23 15:03	07/03/23 22:15	1
Phenanthrene	ND	*3	5.0	0.44	ug/L		06/30/23 15:03	07/03/23 22:15	1
Phenol	ND	*3	5.0	0.39	ug/L		06/30/23 15:03	07/03/23 22:15	1
Pyrene	ND	*3	5.0	0.34	ug/L		06/30/23 15:03	07/03/23 22:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	74	*3	41 - 120	06/30/23 15:03	07/03/23 22:15	1
2-Fluorobiphenyl	94	*3	48 - 120	06/30/23 15:03	07/03/23 22:15	1
2-Fluorophenol	66	*3	35 - 120	06/30/23 15:03	07/03/23 22:15	1
Nitrobenzene-d5	97	*3	46 - 120	06/30/23 15:03	07/03/23 22:15	1
Phenol-d5	47	*3	22 - 120	06/30/23 15:03	07/03/23 22:15	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: MB 480-675110/1-A

Matrix: Water

Analysis Batch: 675282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 675110

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-terphenyl-d14	96	*3	60 - 148	06/30/23 15:03	07/03/23 22:15	1

Lab Sample ID: LCS 480-675110/2-A

Matrix: Water

Analysis Batch: 675282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
2,4,5-Trichlorophenol	32.0	36.9	*3	ug/L		115	65 - 126	
2,4,6-Trichlorophenol	32.0	34.0	*3	ug/L		106	64 - 120	
2,4-Dichlorophenol	32.0	37.6	*3	ug/L		118	63 - 120	
2,4-Dimethylphenol	32.0	29.8	*3	ug/L		93	47 - 120	
2,4-Dinitrophenol	64.0	66.5	*3	ug/L		104	31 - 137	
2,4-Dinitrotoluene	32.0	36.6	*3	ug/L		114	69 - 120	
2,6-Dinitrotoluene	32.0	35.9	*3	ug/L		112	68 - 120	
2-Chloronaphthalene	32.0	31.2	*3	ug/L		97	58 - 120	
2-Chlorophenol	32.0	31.3	*3	ug/L		98	48 - 120	
2-Methylnaphthalene	32.0	35.6	*3	ug/L		111	59 - 120	
2-Methylphenol	32.0	29.6	*3	ug/L		93	39 - 120	
2-Nitroaniline	32.0	33.9	*3	ug/L		106	54 - 127	
2-Nitrophenol	32.0	39.3	*3	ug/L		123	52 - 125	
3,3'-Dichlorobenzidine	64.0	57.7	*3	ug/L		90	49 - 135	
3-Nitroaniline	32.0	26.2	*3	ug/L		82	51 - 120	
4,6-Dinitro-2-methylphenol	64.0	82.8	*3	ug/L		129	46 - 136	
4-Bromophenyl phenyl ether	32.0	35.0	*3	ug/L		109	65 - 120	
4-Chloro-3-methylphenol	32.0	38.5	*3	ug/L		120	61 - 123	
4-Chloroaniline	32.0	24.0	*3	ug/L		75	30 - 120	
4-Chlorophenyl phenyl ether	32.0	32.3	*3	ug/L		101	62 - 120	
4-Methylphenol	32.0	28.5	*3	ug/L		89	29 - 131	
4-Nitroaniline	32.0	33.6	*3	ug/L		105	65 - 120	
4-Nitrophenol	64.0	45.1	*3	ug/L		70	45 - 120	
Acenaphthene	32.0	32.5	*3	ug/L		102	60 - 120	
Acenaphthylene	32.0	33.7	*3	ug/L		105	63 - 120	
Acetophenone	32.0	33.4	*3	ug/L		104	45 - 120	
Aniline	32.0	19.4	*3	ug/L		61	12 - 120	
Anthracene	32.0	36.5	*3	ug/L		114	67 - 120	
Atrazine	64.0	85.6	*3 *+	ug/L		134	71 - 130	
Benzaldehyde	64.0	59.4	*3	ug/L		93	10 - 140	
Benzo(a)anthracene	32.0	34.2	*3	ug/L		107	70 - 121	
Benzo(a)pyrene	32.0	31.7	*3	ug/L		99	60 - 123	
Benzo(b)fluoranthene	32.0	32.9	*3	ug/L		103	66 - 126	
Benzo(g,h,i)perylene	32.0	29.5	*3	ug/L		92	66 - 150	
Benzo(k)fluoranthene	32.0	33.6	*3	ug/L		105	65 - 124	
Biphenyl	32.0	31.3	*3	ug/L		98	59 - 120	
bis (2-chloroisopropyl) ether	32.0	33.3	*3	ug/L		104	21 - 136	
Bis(2-chloroethoxy)methane	32.0	38.2	*3	ug/L		119	50 - 128	
Bis(2-chloroethyl)ether	32.0	34.7	*3	ug/L		108	44 - 120	
Bis(2-ethylhexyl) phthalate	32.0	32.1	*3	ug/L		100	63 - 139	
Butyl benzyl phthalate	32.0	31.9	*3	ug/L		100	70 - 129	

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: LCS 480-675110/2-A

Matrix: Water

Analysis Batch: 675282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Caprolactam	64.0	27.3	*3	ug/L		43	22 - 120
Carbazole	32.0	39.4	*3	ug/L		123	66 - 123
Chrysene	32.0	33.3	*3	ug/L		104	69 - 120
Dibenz(a,h)anthracene	32.0	30.9	*3	ug/L		96	65 - 135
Dibenzofuran	32.0	32.3	*3	ug/L		101	66 - 120
Diethyl phthalate	32.0	36.4	*3	ug/L		114	59 - 127
Dimethyl phthalate	32.0	35.2	*3	ug/L		110	68 - 120
Di-n-butyl phthalate	32.0	36.9	*3	ug/L		115	69 - 131
Di-n-octyl phthalate	32.0	32.3	*3	ug/L		101	63 - 140
Fluoranthene	32.0	38.6	*3	ug/L		121	69 - 126
Fluorene	32.0	33.9	*3	ug/L		106	66 - 120
Hexachlorobenzene	32.0	35.6	*3	ug/L		111	61 - 120
Hexachlorobutadiene	32.0	26.3	*3	ug/L		82	35 - 120
Hexachlorocyclopentadiene	32.0	12.5	*3	ug/L		39	31 - 120
Hexachloroethane	32.0	23.6	*3	ug/L		74	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	30.4	*3	ug/L		95	69 - 146
Isophorone	32.0	37.4	*3	ug/L		117	55 - 120
Naphthalene	32.0	33.4	*3	ug/L		105	57 - 120
Nitrobenzene	32.0	35.9	*3	ug/L		112	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.8	*3	ug/L		103	32 - 140
N-Nitrosodiphenylamine	32.0	35.6	*3	ug/L		111	61 - 120
Pentachlorophenol	64.0	54.9	*3	ug/L		86	29 - 136
Phenanthrene	32.0	36.4	*3	ug/L		114	68 - 120
Phenol	32.0	19.3	*3	ug/L		60	17 - 120
Pyrene	32.0	33.0	*3	ug/L		103	70 - 125

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	99	*3	41 - 120
2-Fluorobiphenyl	92	*3	48 - 120
2-Fluorophenol	66	*3	35 - 120
Nitrobenzene-d5	97	*3	46 - 120
Phenol-d5	51	*3	22 - 120
p-Terphenyl-d14	91	*3	60 - 148

Lab Sample ID: 480-210385-5 MS

Matrix: Ground Water

Analysis Batch: 675282

Client Sample ID: BCC Area E RFI-33 MS

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
2,4,5-Trichlorophenol	ND	*3	33.3	35.7	*3	ug/L		107	65 - 126
2,4,6-Trichlorophenol	ND	*3	33.3	33.2	*3	ug/L		100	64 - 120
2,4-Dichlorophenol	ND	*3	33.3	37.1	*3	ug/L		111	48 - 132
2,4-Dimethylphenol	ND	*3	33.3	29.0	*3	ug/L		87	39 - 130
2,4-Dinitrophenol	ND	*3	66.7	70.1	*3	ug/L		105	21 - 150
2,4-Dinitrotoluene	ND	*3	33.3	36.2	*3	ug/L		109	54 - 138
2,6-Dinitrotoluene	ND	*3	33.3	35.3	*3	ug/L		106	17 - 150
2-Chloronaphthalene	ND	*3	33.3	28.6	*3	ug/L		86	52 - 124
2-Chlorophenol	ND	*3	33.3	29.4	*3	ug/L		88	48 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MS

Matrix: Ground Water

Analysis Batch: 675282

Client Sample ID: BCC Area E RFI-33 MS

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Methylnaphthalene	ND	*3	33.3	34.6	*3	ug/L		104	34 - 140
2-Methylphenol	ND	*3	33.3	27.8	*3	ug/L		83	46 - 120
2-Nitroaniline	ND	*3	33.3	31.8	*3	ug/L		95	44 - 136
2-Nitrophenol	ND	*3	33.3	38.7	*3	ug/L		116	38 - 141
3,3'-Dichlorobenzidine	ND	*3	66.7	51.2	*3	ug/L		77	10 - 150
3-Nitroaniline	ND	*3	33.3	26.8	*3	ug/L		80	32 - 150
4,6-Dinitro-2-methylphenol	ND	*3	66.7	84.5	*3	ug/L		127	38 - 150
4-Bromophenyl phenyl ether	ND	*3	33.3	35.8	*3	ug/L		107	63 - 126
4-Chloro-3-methylphenol	ND	*3	33.3	37.2	*3	ug/L		112	64 - 127
4-Chloroaniline	ND	*3	33.3	23.5	*3	ug/L		71	16 - 124
4-Chlorophenyl phenyl ether	ND	*3	33.3	33.0	*3	ug/L		99	61 - 120
4-Methylphenol	ND	*3	33.3	27.0	*3	ug/L		81	36 - 120
4-Nitroaniline	ND	*3	33.3	33.7	*3	ug/L		101	32 - 150
4-Nitrophenol	ND	*3	66.7	48.3	*3	ug/L		72	23 - 132
Acenaphthene	ND	*3	33.3	31.9	*3	ug/L		96	48 - 120
Acenaphthylene	ND	*3	33.3	33.5	*3	ug/L		101	63 - 120
Acetophenone	ND	*3	33.3	30.5	*3	ug/L		92	53 - 120
Aniline	ND	*3	33.3	18.3	*3	ug/L		55	32 - 120
Anthracene	ND	*3	33.3	36.1	*3	ug/L		108	65 - 122
Atrazine	ND	*3 *	66.7	82.9	*3	ug/L		124	50 - 150
Benzaldehyde	ND	*3	66.7	54.0	*3	ug/L		81	10 - 150
Benzo(a)anthracene	0.38	J *3	33.3	32.2	*3	ug/L		95	43 - 124
Benzo(a)pyrene	ND	*3	33.3	28.1	*3	ug/L		84	23 - 125
Benzo(b)fluoranthene	ND	*3	33.3	29.6	*3	ug/L		89	27 - 127
Benzo(g,h,i)perylene	ND	*3	33.3	25.8	*3	ug/L		77	16 - 147
Benzo(k)fluoranthene	ND	*3	33.3	29.2	*3	ug/L		88	20 - 124
Biphenyl	ND	*3	33.3	30.1	*3	ug/L		90	57 - 120
bis (2-chloroisopropyl) ether	ND	*3	33.3	29.3	*3	ug/L		88	28 - 121
Bis(2-chloroethoxy)methane	ND	*3	33.3	34.8	*3	ug/L		104	44 - 128
Bis(2-chloroethyl)ether	ND	*3	33.3	31.7	*3	ug/L		95	45 - 120
Bis(2-ethylhexyl) phthalate	ND	*3	33.3	28.1	*3	ug/L		84	16 - 150
Butyl benzyl phthalate	ND	*3	33.3	30.4	*3	ug/L		91	51 - 140
Caprolactam	ND	*3	66.7	29.7	*3	ug/L		45	10 - 120
Carbazole	ND	*3	33.3	39.1	*3	ug/L		117	16 - 148
Chrysene	ND	*3	33.3	30.2	*3	ug/L		91	44 - 122
Dibenz(a,h)anthracene	ND	*3	33.3	27.2	*3	ug/L		81	16 - 139
Dibenzofuran	ND	*3	33.3	32.1	*3	ug/L		96	60 - 120
Diethyl phthalate	ND	*3	33.3	35.7	*3	ug/L		107	53 - 133
Dimethyl phthalate	ND	*3	33.3	34.7	*3	ug/L		104	59 - 123
Di-n-butyl phthalate	ND	*3	33.3	35.4	*3	ug/L		106	65 - 129
Di-n-octyl phthalate	ND	*3	33.3	27.9	*3	ug/L		84	16 - 150
Fluoranthene	ND	*3	33.3	38.1	*3	ug/L		114	63 - 129
Fluorene	ND	*3	33.3	33.3	*3	ug/L		100	62 - 120
Hexachlorobenzene	ND	*3	33.3	35.9	*3	ug/L		108	57 - 121
Hexachlorobutadiene	ND	*3	33.3	24.8	*3	ug/L		74	37 - 120
Hexachlorocyclopentadiene	ND	*3	33.3	9.19	*3	ug/L		28	21 - 120
Hexachloroethane	ND	*3	33.3	21.6	*3	ug/L		65	16 - 130
Indeno(1,2,3-cd)pyrene	ND	*3	33.3	26.9	*3	ug/L		81	16 - 140
Isophorone	ND	*3	33.3	35.0	*3	ug/L		105	48 - 133

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MS

Matrix: Ground Water

Analysis Batch: 675282

Client Sample ID: BCC Area E RFI-33 MS

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Naphthalene	ND	*3	33.3	31.8	*3	ug/L		95	45 - 120
Nitrobenzene	ND	*3	33.3	33.8	*3	ug/L		101	45 - 123
N-Nitrosodi-n-propylamine	ND	*3	33.3	29.9	*3	ug/L		90	49 - 120
N-Nitrosodiphenylamine	ND	*3	33.3	34.8	*3	ug/L		104	39 - 138
Pentachlorophenol	ND	*3	66.7	63.4	*3	ug/L		95	23 - 149
Phenanthrene	ND	*3	33.3	35.5	*3	ug/L		106	65 - 122
Phenol	ND	*3	33.3	18.6	*3	ug/L		56	16 - 120
Pyrene	ND	*3	33.3	32.2	*3	ug/L		97	58 - 128
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
2,4,6-Tribromophenol	101	*3	41 - 120						
2-Fluorobiphenyl	83	*3	48 - 120						
2-Fluorophenol	58	*3	35 - 120						
Nitrobenzene-d5	81	*3	46 - 120						
Phenol-d5	47	*3	22 - 120						
p-Terphenyl-d14	73	*3	60 - 148						

Lab Sample ID: 480-210385-5 MSD

Matrix: Ground Water

Analysis Batch: 675282

Client Sample ID: BCC Area E RFI-33 MSD

Prep Type: Total/NA

Prep Batch: 675110

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit
2,4,5-Trichlorophenol	ND	*3	32.0	36.9	*3	ug/L		115	65 - 126	3	18
2,4,6-Trichlorophenol	ND	*3	32.0	33.3	*3	ug/L		104	64 - 120	0	19
2,4-Dichlorophenol	ND	*3	32.0	35.5	*3	ug/L		111	48 - 132	4	19
2,4-Dimethylphenol	ND	*3	32.0	27.6	*3	ug/L		86	39 - 130	5	42
2,4-Dinitrophenol	ND	*3	64.0	73.6	*3	ug/L		115	21 - 150	5	22
2,4-Dinitrotoluene	ND	*3	32.0	36.8	*3	ug/L		115	54 - 138	2	20
2,6-Dinitrotoluene	ND	*3	32.0	35.9	*3	ug/L		112	17 - 150	2	15
2-Chloronaphthalene	ND	*3	32.0	28.7	*3	ug/L		90	52 - 124	0	21
2-Chlorophenol	ND	*3	32.0	28.0	*3	ug/L		87	48 - 120	5	25
2-Methylnaphthalene	ND	*3	32.0	34.9	*3	ug/L		109	34 - 140	1	21
2-Methylphenol	ND	*3	32.0	27.0	*3	ug/L		84	46 - 120	3	27
2-Nitroaniline	ND	*3	32.0	31.5	*3	ug/L		99	44 - 136	1	15
2-Nitrophenol	ND	*3	32.0	36.7	*3	ug/L		115	38 - 141	5	18
3,3'-Dichlorobenzidine	ND	*3	64.0	46.0	*3	ug/L		72	10 - 150	11	25
3-Nitroaniline	ND	*3	32.0	26.3	*3	ug/L		82	32 - 150	2	19
4,6-Dinitro-2-methylphenol	ND	*3	64.0	85.6	*3	ug/L		134	38 - 150	1	15
4-Bromophenyl phenyl ether	ND	*3	32.0	37.4	*3	ug/L		117	63 - 126	4	15
4-Chloro-3-methylphenol	ND	*3	32.0	37.3	*3	ug/L		116	64 - 127	0	27
4-Chloroaniline	ND	*3	32.0	25.1	*3	ug/L		78	16 - 124	6	22
4-Chlorophenyl phenyl ether	ND	*3	32.0	33.3	*3	ug/L		104	61 - 120	1	16
4-Methylphenol	ND	*3	32.0	26.6	*3	ug/L		83	36 - 120	1	24
4-Nitroaniline	ND	*3	32.0	32.6	*3	ug/L		102	32 - 150	4	24
4-Nitrophenol	ND	*3	64.0	47.6	*3	ug/L		74	23 - 132	2	48
Acenaphthene	ND	*3	32.0	32.1	*3	ug/L		100	48 - 120	1	24
Acenaphthylene	ND	*3	32.0	32.8	*3	ug/L		103	63 - 120	2	18
Acetophenone	ND	*3	32.0	29.4	*3	ug/L		92	53 - 120	4	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

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

Lab Sample ID: 480-210385-5 MSD

Client Sample ID: BCC Area E RFI-33 MSD

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 675282

Prep Batch: 675110

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Aniline	ND	*3	32.0	18.8	*3	ug/L		59	32 - 120	2	30
Anthracene	ND	*3	32.0	36.3	*3	ug/L		113	65 - 122	1	15
Atrazine	ND	*3 *+	64.0	80.6	*3	ug/L		126	50 - 150	3	20
Benzaldehyde	ND	*3	64.0	52.3	*3	ug/L		82	10 - 150	3	20
Benzo(a)anthracene	0.38	J *3	32.0	31.5	*3	ug/L		97	43 - 124	2	15
Benzo(a)pyrene	ND	*3	32.0	28.2	*3	ug/L		88	23 - 125	0	15
Benzo(b)fluoranthene	ND	*3	32.0	29.0	*3	ug/L		91	27 - 127	2	15
Benzo(g,h,i)perylene	ND	*3	32.0	25.0	*3	ug/L		78	16 - 147	3	15
Benzo(k)fluoranthene	ND	*3	32.0	29.2	*3	ug/L		91	20 - 124	0	22
Biphenyl	ND	*3	32.0	30.2	*3	ug/L		94	57 - 120	0	20
bis (2-chloroisopropyl) ether	ND	*3	32.0	29.0	*3	ug/L		90	28 - 121	1	24
Bis(2-chloroethoxy)methane	ND	*3	32.0	33.5	*3	ug/L		105	44 - 128	4	17
Bis(2-chloroethyl)ether	ND	*3	32.0	29.8	*3	ug/L		93	45 - 120	6	21
Bis(2-ethylhexyl) phthalate	ND	*3	32.0	27.1	*3	ug/L		85	16 - 150	4	15
Butyl benzyl phthalate	ND	*3	32.0	30.9	*3	ug/L		96	51 - 140	2	16
Caprolactam	ND	*3	64.0	28.9	*3	ug/L		45	10 - 120	3	20
Carbazole	ND	*3	32.0	38.7	*3	ug/L		121	16 - 148	1	20
Chrysene	ND	*3	32.0	30.3	*3	ug/L		95	44 - 122	0	15
Dibenz(a,h)anthracene	ND	*3	32.0	25.7	*3	ug/L		80	16 - 139	6	15
Dibenzofuran	ND	*3	32.0	32.3	*3	ug/L		101	60 - 120	0	15
Diethyl phthalate	ND	*3	32.0	35.6	*3	ug/L		111	53 - 133	0	15
Dimethyl phthalate	ND	*3	32.0	35.1	*3	ug/L		110	59 - 123	1	15
Di-n-butyl phthalate	ND	*3	32.0	35.4	*3	ug/L		111	65 - 129	0	15
Di-n-octyl phthalate	ND	*3	32.0	26.6	*3	ug/L		83	16 - 150	5	16
Fluoranthene	ND	*3	32.0	38.5	*3	ug/L		120	63 - 129	1	15
Fluorene	ND	*3	32.0	33.8	*3	ug/L		106	62 - 120	2	15
Hexachlorobenzene	ND	*3	32.0	35.7	*3	ug/L		112	57 - 121	1	15
Hexachlorobutadiene	ND	*3	32.0	27.2	*3	ug/L		85	37 - 120	9	44
Hexachlorocyclopentadiene	ND	*3	32.0	11.0	*3	ug/L		34	21 - 120	18	49
Hexachloroethane	ND	*3	32.0	22.5	*3	ug/L		70	16 - 130	5	46
Indeno(1,2,3-cd)pyrene	ND	*3	32.0	25.1	*3	ug/L		78	16 - 140	7	15
Isophorone	ND	*3	32.0	34.5	*3	ug/L		108	48 - 133	1	17
Naphthalene	ND	*3	32.0	32.3	*3	ug/L		101	45 - 120	2	29
Nitrobenzene	ND	*3	32.0	32.2	*3	ug/L		101	45 - 123	5	24
N-Nitrosodi-n-propylamine	ND	*3	32.0	28.9	*3	ug/L		90	49 - 120	4	31
N-Nitrosodiphenylamine	ND	*3	32.0	34.8	*3	ug/L		109	39 - 138	0	15
Pentachlorophenol	ND	*3	64.0	65.5	*3	ug/L		102	23 - 149	3	37
Phenanthrene	ND	*3	32.0	36.0	*3	ug/L		112	65 - 122	1	15
Phenol	ND	*3	32.0	19.9	*3	ug/L		62	16 - 120	7	34
Pyrene	ND	*3	32.0	33.6	*3	ug/L		105	58 - 128	4	19

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	106	*3	41 - 120
2-Fluorobiphenyl	86	*3	48 - 120
2-Fluorophenol	60	*3	35 - 120
Nitrobenzene-d5	87	*3	46 - 120
Phenol-d5	47	*3	22 - 120
p-Terphenyl-d14	75	*3	60 - 148

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-675111/1-A
Matrix: Water
Analysis Batch: 675623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675111

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		07/03/23 08:04	07/06/23 20:41	1
Antimony	ND		0.020	0.0068	mg/L		07/03/23 08:04	07/06/23 20:41	1
Arsenic	ND		0.015	0.0056	mg/L		07/03/23 08:04	07/06/23 20:41	1
Barium	ND		0.0020	0.00070	mg/L		07/03/23 08:04	07/06/23 20:41	1
Beryllium	ND	^+	0.0020	0.00030	mg/L		07/03/23 08:04	07/06/23 20:41	1
Cadmium	ND		0.0020	0.00050	mg/L		07/03/23 08:04	07/06/23 20:41	1
Calcium	ND		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:41	1
Chromium	ND		0.0040	0.0010	mg/L		07/03/23 08:04	07/06/23 20:41	1
Cobalt	ND		0.0040	0.00063	mg/L		07/03/23 08:04	07/06/23 20:41	1
Copper	ND		0.010	0.0016	mg/L		07/03/23 08:04	07/06/23 20:41	1
Lead	ND		0.010	0.0030	mg/L		07/03/23 08:04	07/06/23 20:41	1
Magnesium	ND		0.20	0.043	mg/L		07/03/23 08:04	07/06/23 20:41	1
Manganese	0.000670	J ^+	0.0030	0.00040	mg/L		07/03/23 08:04	07/06/23 20:41	1
Nickel	ND		0.010	0.0013	mg/L		07/03/23 08:04	07/06/23 20:41	1
Potassium	ND		0.50	0.10	mg/L		07/03/23 08:04	07/06/23 20:41	1
Selenium	ND		0.025	0.0087	mg/L		07/03/23 08:04	07/06/23 20:41	1
Silver	ND		0.0060	0.0017	mg/L		07/03/23 08:04	07/06/23 20:41	1
Sodium	ND		1.0	0.32	mg/L		07/03/23 08:04	07/06/23 20:41	1
Thallium	ND		0.020	0.010	mg/L		07/03/23 08:04	07/06/23 20:41	1
Vanadium	ND		0.0050	0.0015	mg/L		07/03/23 08:04	07/06/23 20:41	1
Zinc	ND		0.010	0.0015	mg/L		07/03/23 08:04	07/06/23 20:41	1

Lab Sample ID: MB 480-675111/1-A
Matrix: Water
Analysis Batch: 676023

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675111

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	0.0732		0.050	0.019	mg/L		07/03/23 08:04	07/11/23 22:22	1

Lab Sample ID: LCS 480-675111/2-A
Matrix: Water
Analysis Batch: 675623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aluminum	10.0	10.49		mg/L		105	80 - 120
Antimony	0.200	0.224		mg/L		112	80 - 120
Arsenic	0.200	0.200		mg/L		100	80 - 120
Barium	0.200	0.216		mg/L		108	80 - 120
Beryllium	0.200	0.219	^+	mg/L		110	80 - 120
Cadmium	0.200	0.205		mg/L		103	80 - 120
Calcium	10.0	10.40		mg/L		104	80 - 120
Chromium	0.201	0.204		mg/L		101	80 - 120
Cobalt	0.200	0.199		mg/L		99	80 - 120
Copper	0.200	0.195		mg/L		98	80 - 120
Lead	0.200	0.199		mg/L		99	80 - 120
Magnesium	10.0	9.81		mg/L		98	80 - 120
Manganese	0.200	0.206	^+	mg/L		103	80 - 120
Nickel	0.200	0.197		mg/L		98	80 - 120
Potassium	10.0	10.29		mg/L		103	80 - 120

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-675111/2-A
Matrix: Water
Analysis Batch: 675623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Selenium	0.200	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0510		mg/L		102	80 - 120
Sodium	10.0	10.21		mg/L		102	80 - 120
Thallium	0.200	0.203		mg/L		101	80 - 120
Vanadium	0.200	0.202		mg/L		101	80 - 120
Zinc	0.200	0.193		mg/L		96	80 - 120

Lab Sample ID: LCS 480-675111/2-A
Matrix: Water
Analysis Batch: 676023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Iron	10.0	10.48		mg/L		105	80 - 120

Lab Sample ID: 480-210385-5 MS
Matrix: Ground Water
Analysis Batch: 675623

Client Sample ID: BCC Area E RFI-33 MS
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Aluminum	ND		10.0	10.25		mg/L		102	75 - 125
Antimony	ND		0.200	0.229		mg/L		115	75 - 125
Arsenic	ND		0.200	0.209		mg/L		105	75 - 125
Barium	0.052		0.200	0.255		mg/L		101	75 - 125
Cadmium	ND		0.200	0.209		mg/L		105	75 - 125
Calcium	88.5		10.0	85.60	4	mg/L		-29	75 - 125
Chromium	0.0010	J	0.201	0.205		mg/L		102	75 - 125
Cobalt	ND		0.200	0.205		mg/L		103	75 - 125
Copper	0.0042	J	0.200	0.199		mg/L		97	75 - 125
Lead	ND		0.200	0.204		mg/L		102	75 - 125
Magnesium	17.6	F1	10.0	24.35	F1	mg/L		67	75 - 125
Nickel	0.019		0.200	0.221		mg/L		101	75 - 125
Potassium	0.94		10.0	11.49		mg/L		105	75 - 125
Selenium	ND		0.200	0.198		mg/L		99	75 - 125
Silver	ND		0.0500	0.0505		mg/L		101	75 - 125
Sodium	127		10.0	126.2	4	mg/L		-8	75 - 125
Thallium	ND		0.200	0.203		mg/L		102	75 - 125
Vanadium	0.0017	J	0.200	0.206		mg/L		102	75 - 125
Zinc	0.0033	J	0.200	0.195		mg/L		96	75 - 125

Lab Sample ID: 480-210385-5 MS
Matrix: Ground Water
Analysis Batch: 676023

Client Sample ID: BCC Area E RFI-33 MS
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Beryllium	ND		0.200	0.216		mg/L		108	75 - 125
Manganese	0.20	B	0.200	0.351		mg/L		78	75 - 125

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-210385-5 MSD
Matrix: Ground Water
Analysis Batch: 675623

Client Sample ID: BCC Area E RFI-33 MSD
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Aluminum	ND		10.0	10.68		mg/L		107	75 - 125	4	20
Antimony	ND		0.200	0.231		mg/L		115	75 - 125	1	20
Arsenic	ND		0.200	0.211		mg/L		105	75 - 125	1	20
Barium	0.052		0.200	0.260		mg/L		104	75 - 125	2	20
Cadmium	ND		0.200	0.212		mg/L		106	75 - 125	1	20
Calcium	88.5		10.0	95.11	4	mg/L		66	75 - 125	11	20
Chromium	0.0010	J	0.201	0.204		mg/L		101	75 - 125	0	20
Cobalt	ND		0.200	0.208		mg/L		104	75 - 125	2	20
Copper	0.0042	J	0.200	0.208		mg/L		102	75 - 125	4	20
Lead	ND		0.200	0.206		mg/L		103	75 - 125	1	20
Magnesium	17.6	F1	10.0	26.48		mg/L		88	75 - 125	8	20
Nickel	0.019		0.200	0.223		mg/L		102	75 - 125	1	20
Potassium	0.94		10.0	11.89		mg/L		109	75 - 125	3	20
Selenium	ND		0.200	0.205		mg/L		102	75 - 125	4	20
Silver	ND		0.0500	0.0514		mg/L		103	75 - 125	2	20
Sodium	127		10.0	136.4	4	mg/L		94	75 - 125	8	20
Thallium	ND		0.200	0.206		mg/L		103	75 - 125	1	20
Vanadium	0.0017	J	0.200	0.210		mg/L		104	75 - 125	2	20
Zinc	0.0033	J	0.200	0.202		mg/L		99	75 - 125	3	20

Lab Sample ID: 480-210385-5 MSD
Matrix: Ground Water
Analysis Batch: 676023

Client Sample ID: BCC Area E RFI-33 MSD
Prep Type: Total/NA
Prep Batch: 675111

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Beryllium	ND		0.200	0.223		mg/L		112	75 - 125	3	20
Manganese	0.20	B	0.200	0.384		mg/L		95	75 - 125	9	20

Lab Sample ID: MB 480-676084/1-A
Matrix: Water
Analysis Batch: 676418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676084

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	0.0461	J	0.050	0.019	mg/L		07/12/23 14:02	07/14/23 12:25	1
Vanadium	ND		0.0050	0.0015	mg/L		07/12/23 14:02	07/14/23 12:25	1

Lab Sample ID: LCS 480-676084/2-A
Matrix: Water
Analysis Batch: 676418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676084

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Iron	10.0	8.87		mg/L		89	80 - 120

Lab Sample ID: 480-210385-5 MS
Matrix: Ground Water
Analysis Batch: 676418

Client Sample ID: BCC Area E RFI-33 MS
Prep Type: Total/NA
Prep Batch: 676084

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
Iron	0.032	J B	10.0	10.17		mg/L		101	75 - 125

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-210385-5 MSD
Matrix: Ground Water
Analysis Batch: 676418

Client Sample ID: BCC Area E RFI-33 MSD
Prep Type: Total/NA
Prep Batch: 676084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.032	J B	10.0	10.18		mg/L		101	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-675329/1-A
Matrix: Water
Analysis Batch: 675490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/05/23 11:31	07/06/23 11:49	1

Lab Sample ID: LCS 480-675329/2-A
Matrix: Water
Analysis Batch: 675490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00648		mg/L		97	80 - 120

Lab Sample ID: 480-210385-5 MS
Matrix: Ground Water
Analysis Batch: 675490

Client Sample ID: BCC Area E RFI-33 MS
Prep Type: Total/NA
Prep Batch: 675329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00690		mg/L		103	80 - 120

Lab Sample ID: 480-210385-5 MSD
Matrix: Ground Water
Analysis Batch: 675490

Client Sample ID: BCC Area E RFI-33 MSD
Prep Type: Total/NA
Prep Batch: 675329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00696		mg/L		104	80 - 120	1	20

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

GC/MS VOA

Analysis Batch: 675207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	8260C	
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	8260C	
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	
MB 480-675207/8	Method Blank	Total/NA	Water	8260C	
LCS 480-675207/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 675315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-2 - DL	BCC Area E MW-E05	Total/NA	Ground Water	8260C	
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	8260C	
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	8260C	
480-210385-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-675315/9	Method Blank	Total/NA	Water	8260C	
LCS 480-675315/6	Lab Control Sample	Total/NA	Water	8260C	
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	8260C	
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	8260C	

Analysis Batch: 675413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-4 - DL	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	
MB 480-675413/9	Method Blank	Total/NA	Water	8260C	
LCS 480-675413/6	Lab Control Sample	Total/NA	Water	8260C	
480-210385-4 MS	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	
480-210385-4 MSD	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 675110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	3510C	
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	3510C	
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	3510C	
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	3510C	
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	3510C	
MB 480-675110/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-675110/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	3510C	
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	3510C	

Analysis Batch: 675282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	8270D	675110
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	8270D	675110
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	8270D	675110
MB 480-675110/1-A	Method Blank	Total/NA	Water	8270D	675110
LCS 480-675110/2-A	Lab Control Sample	Total/NA	Water	8270D	675110
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	8270D	675110
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	8270D	675110

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

GC/MS Semi VOA

Analysis Batch: 675286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	8270D	675110
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	8270D	675110

Metals

Prep Batch: 675111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	3005A	
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	3005A	
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	3005A	
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	3005A	
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	3005A	
MB 480-675111/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-675111/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	3005A	
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	3005A	

Prep Batch: 675329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	7470A	
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	7470A	
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	7470A	
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	7470A	
MB 480-675329/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-675329/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	7470A	
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	7470A	

Analysis Batch: 675490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	7470A	675329
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	7470A	675329
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	7470A	675329
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	675329
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	7470A	675329
MB 480-675329/1-A	Method Blank	Total/NA	Water	7470A	675329
LCS 480-675329/2-A	Lab Control Sample	Total/NA	Water	7470A	675329
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	7470A	675329
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	7470A	675329

Analysis Batch: 675623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	6010C	675111
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	6010C	675111
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	6010C	675111
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	6010C	675111
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	6010C	675111
MB 480-675111/1-A	Method Blank	Total/NA	Water	6010C	675111
LCS 480-675111/2-A	Lab Control Sample	Total/NA	Water	6010C	675111
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	6010C	675111

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Metals (Continued)

Analysis Batch: 675623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	6010C	675111

Analysis Batch: 676023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	6010C	675111
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	6010C	675111
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	6010C	675111
480-210385-4	BCC Area E RFI-32A	Total/NA	Ground Water	6010C	675111
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	6010C	675111
MB 480-675111/1-A	Method Blank	Total/NA	Water	6010C	675111
LCS 480-675111/2-A	Lab Control Sample	Total/NA	Water	6010C	675111
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	6010C	675111
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	6010C	675111

Prep Batch: 676084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	3005A	
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	3005A	
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	3005A	
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	3005A	
MB 480-676084/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-676084/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	3005A	
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	3005A	

Analysis Batch: 676418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210385-1	BCC Area E RFI33 D	Total/NA	Ground Water	6010C	676084
480-210385-2	BCC Area E MW-E05	Total/NA	Ground Water	6010C	676084
480-210385-3	BCC Area E RFI-29	Total/NA	Ground Water	6010C	676084
480-210385-5	BCC Area E RFI-33	Total/NA	Ground Water	6010C	676084
MB 480-676084/1-A	Method Blank	Total/NA	Water	6010C	676084
LCS 480-676084/2-A	Lab Control Sample	Total/NA	Water	6010C	676084
480-210385-5 MS	BCC Area E RFI-33 MS	Total/NA	Ground Water	6010C	676084
480-210385-5 MSD	BCC Area E RFI-33 MSD	Total/NA	Ground Water	6010C	676084

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI33 D

Lab Sample ID: 480-210385-1

Date Collected: 06/29/23 08:40

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	675207	CR	EET BUF	07/03/23 16:39
Total/NA	Prep	3510C			675110	LSC	EET BUF	06/30/23 15:03
Total/NA	Analysis	8270D		5	675286	EMD	EET BUF	07/05/23 19:44
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	675623	LMH	EET BUF	07/06/23 20:48
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	676023	LMH	EET BUF	07/11/23 22:33
Total/NA	Prep	3005A			676084	MP	EET BUF	07/12/23 14:02
Total/NA	Analysis	6010C		1	676418	LMH	EET BUF	07/14/23 12:37
Total/NA	Prep	7470A			675329	VAK	EET BUF	07/05/23 11:31
Total/NA	Analysis	7470A		1	675490	BMB	EET BUF	07/06/23 12:04

Client Sample ID: BCC Area E MW-E05

Lab Sample ID: 480-210385-2

Date Collected: 06/29/23 11:05

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	675207	CR	EET BUF	07/03/23 17:01
Total/NA	Analysis	8260C	DL	5	675315	CR	EET BUF	07/05/23 14:23
Total/NA	Prep	3510C			675110	LSC	EET BUF	06/30/23 15:03
Total/NA	Analysis	8270D		1	675282	EMD	EET BUF	07/04/23 05:53
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	675623	LMH	EET BUF	07/06/23 20:52
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	676023	LMH	EET BUF	07/11/23 22:37
Total/NA	Prep	3005A			676084	MP	EET BUF	07/12/23 14:02
Total/NA	Analysis	6010C		1	676418	LMH	EET BUF	07/14/23 12:40
Total/NA	Prep	7470A			675329	VAK	EET BUF	07/05/23 11:31
Total/NA	Analysis	7470A		1	675490	BMB	EET BUF	07/06/23 12:06

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	675315	CR	EET BUF	07/05/23 14:45
Total/NA	Prep	3510C			675110	LSC	EET BUF	06/30/23 15:03
Total/NA	Analysis	8270D		1	675282	EMD	EET BUF	07/04/23 06:20
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	675623	LMH	EET BUF	07/06/23 20:56
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	676023	LMH	EET BUF	07/11/23 22:41
Total/NA	Prep	3005A			676084	MP	EET BUF	07/12/23 14:02
Total/NA	Analysis	6010C		1	676418	LMH	EET BUF	07/14/23 12:44

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Client Sample ID: BCC Area E RFI-29

Lab Sample ID: 480-210385-3

Date Collected: 06/29/23 12:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			675329	VAK	EET BUF	07/05/23 11:31
Total/NA	Analysis	7470A		1	675490	BMB	EET BUF	07/06/23 12:07

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-210385-4

Date Collected: 06/29/23 10:00

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	675207	CR	EET BUF	07/03/23 17:46
Total/NA	Analysis	8260C	DL	4000	675413	CR	EET BUF	07/06/23 13:12
Total/NA	Prep	3510C			675110	LSC	EET BUF	06/30/23 15:03
Total/NA	Analysis	8270D		20	675286	EMD	EET BUF	07/05/23 17:00
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	675623	LMH	EET BUF	07/06/23 21:00
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	676023	LMH	EET BUF	07/11/23 22:56
Total/NA	Prep	7470A			675329	VAK	EET BUF	07/05/23 11:31
Total/NA	Analysis	7470A		1	675490	BMB	EET BUF	07/06/23 12:08

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-210385-5

Date Collected: 06/29/23 08:35

Matrix: Ground Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	675315	CR	EET BUF	07/05/23 15:30
Total/NA	Prep	3510C			675110	LSC	EET BUF	06/30/23 15:03
Total/NA	Analysis	8270D		1	675282	EMD	EET BUF	07/04/23 01:24
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	675623	LMH	EET BUF	07/06/23 21:04
Total/NA	Prep	3005A			675111	MP	EET BUF	07/03/23 08:04
Total/NA	Analysis	6010C		1	676023	LMH	EET BUF	07/11/23 23:00
Total/NA	Prep	3005A			676084	MP	EET BUF	07/12/23 14:02
Total/NA	Analysis	6010C		1	676418	LMH	EET BUF	07/14/23 12:48
Total/NA	Prep	7470A			675329	VAK	EET BUF	07/05/23 11:31
Total/NA	Analysis	7470A		1	675490	BMB	EET BUF	07/06/23 12:10

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-210385-6

Date Collected: 06/29/23 07:45

Matrix: Water

Date Received: 06/29/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	675315	CR	EET BUF	07/05/23 15:53

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

- 1
- 2
- 3
- 4
- 5
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- 10
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- 12
- 13
- 14
- 15

Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-210385-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-210385-1	BCC Area E RFI33 D	Ground Water	06/29/23 08:40	06/29/23 14:00
480-210385-2	BCC Area E MW-E05	Ground Water	06/29/23 11:05	06/29/23 14:00
480-210385-3	BCC Area E RFI-29	Ground Water	06/29/23 12:00	06/29/23 14:00
480-210385-4	BCC Area E RFI-32A	Ground Water	06/29/23 10:00	06/29/23 14:00
480-210385-5	BCC Area E RFI-33	Ground Water	06/29/23 08:35	06/29/23 14:00
480-210385-6	TRIP BLANK	Water	06/29/23 07:45	06/29/23 14:00

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Chain of Custody Record



Environmental Testing

Client Information		Lab PM Schove, John R		Carrier Tracking No(s) OSC		COC No 480-184356-6267 1	
Client Contact Kirsten Colligan		E-Mail John Schove@et.eurofins.com		State of Origin NY		Page Page 1 of 1	
Company Ontario Specialty Contracting, Inc		RWSID		Job # 16011		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Address 140 Lee St		Due Date Requested:		Analysis Requested		Total Number of Containers	
City Buffalo		TAT Requested (days): 2 weeks		Perform MS/MSD (Yes or No)		Special Instructions/Note:	
State, Zip NY, 14210		Compliance Project: Yes No		8270B - TCL SVOCs		Barcode 480-210385 Chain of Custody	
Phone 716-856-3333		PO # 652742		8270C - TCL SVOCs + aniline			
Email kcolligan@oscinc.com		WO #		6010B, 7470A			
Project Name OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area		Project # 48003159		D A N			
Site New York		SSOW#		Field Filtered Sample (Yes or No)			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
BCC Area E MW-E05		11:05	Water	Water		1	3
BCC Area E RFI-29		12:00	Water	Water		1	3
BCC Area E RFI-32A		10:00	Water	Water		1	3
BCC Area E RFI-33		8:35	Water	Water		1	3
BCC Area E RFI-33 D		8:40	Water	Water		1	3
BCC Area E RFI-33 MS		8:45	Water	Water		1	3
BCC Area E RFI-33 MSD		9:50	Water	Water		1	3
TRIP BLANK		7:45	Water	Water		1	3
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I, II, III, IV, Other (specify)							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date:		Method of Shipment		Time:	
Relinquished by: <i>Taylor Longman</i>		Date: 6-29-23 14:00		Company: OSC		Received by: <i>John Schove</i> (10/10)	
Relinquished by:		Date:		Company:		Received by:	
Relinquished by:		Date:		Company:		Received by:	
Custody Seal Intact: Yes No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company:	
Yes No		2117937		16.0 # (16.0 Method)		Company: TJA	



Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-210385-1

Login Number: 210385

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OSC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Kirsten Colligan
Ontario Specialty Contracting, Inc.
140 Lee St.
Buffalo, New York 14210
Generated 9/25/2023 11:52:09 AM

JOB DESCRIPTION

Buffalo Color Area E Wells

JOB NUMBER

480-212800-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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9/25/2023 11:52:09 AM

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Designee for
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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Job ID: 480-212800-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-212800-1

Receipt

The samples were received on 9/15/2023 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.5° C.

GC/MS VOA

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-683984. The following sample is impacted: BCC Area E RFI-33 (480-212800-2).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A D (480-212800-1), BCC Area E RFI-32A (480-212800-3), BCC Area E RFI-32A MS (480-212800-3[MS]) and BCC Area E RFI-32A MSD (480-212800-3[MSD]). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: BCC Area E RFI-32A D (480-212800-1), BCC Area E RFI-32A (480-212800-3), BCC Area E RFI-32A MS (480-212800-3[MS]) and BCC Area E RFI-32A MSD (480-212800-3[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-684024 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: BCC Area E RFI-32A D (480-212800-1) and BCC Area E RFI-32A (480-212800-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: BCC Area E RFI-32A MS (480-212800-3[MS]) and BCC Area E RFI-32A MSD (480-212800-3[MSD]). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	120000		4000	3000	ug/L	4000		8260C	Total/NA
2-Chlorophenol	99	J	100	11	ug/L	20		8270D	Total/NA
Arsenic	0.011	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	309		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0026	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0024	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0053	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	5.7	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	91.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.75	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0053	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	124		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.010		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.89	J	1.0	0.75	ug/L	1		8260C	Total/NA
Aluminum	0.067	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.051		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00077	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	108		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0048		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0083	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.13	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	12.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.79	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.018		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	36.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0028	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0081	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	120000	F1	4000	3000	ug/L	4000		8260C	Total/NA
2-Chlorophenol	86	J F1	100	11	ug/L	20		8270D	Total/NA
Aluminum	0.067	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.013	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.028		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00065	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	301		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0020	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0024	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0049	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	6.2	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	90.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.79	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0050	J	0.010	0.0013	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A (Continued)

Lab Sample ID: 480-212800-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	122		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.011		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-212800-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA
Chlorobenzene	2.8		1.0	0.75	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Date Collected: 09/15/23 10:40

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4000	3300	ug/L			09/20/23 01:19	4000
1,1,2,2-Tetrachloroethane	ND		4000	840	ug/L			09/20/23 01:19	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200	ug/L			09/20/23 01:19	4000
1,1,2-Trichloroethane	ND		4000	920	ug/L			09/20/23 01:19	4000
1,1-Dichloroethane	ND		4000	1500	ug/L			09/20/23 01:19	4000
1,1-Dichloroethene	ND		4000	1200	ug/L			09/20/23 01:19	4000
1,2,4-Trichlorobenzene	ND		4000	1600	ug/L			09/20/23 01:19	4000
1,2-Dibromo-3-Chloropropane	ND		4000	1600	ug/L			09/20/23 01:19	4000
1,2-Dibromoethane	ND		4000	2900	ug/L			09/20/23 01:19	4000
1,2-Dichlorobenzene	ND		4000	3200	ug/L			09/20/23 01:19	4000
1,2-Dichloroethane	ND		4000	840	ug/L			09/20/23 01:19	4000
1,2-Dichloropropane	ND		4000	2900	ug/L			09/20/23 01:19	4000
1,3-Dichlorobenzene	ND		4000	3100	ug/L			09/20/23 01:19	4000
1,4-Dichlorobenzene	ND		4000	3400	ug/L			09/20/23 01:19	4000
2-Butanone (MEK)	ND		40000	5300	ug/L			09/20/23 01:19	4000
2-Hexanone	ND		20000	5000	ug/L			09/20/23 01:19	4000
4-Methyl-2-pentanone (MIBK)	ND		20000	8400	ug/L			09/20/23 01:19	4000
Acetone	ND		40000	12000	ug/L			09/20/23 01:19	4000
Benzene	ND		4000	1600	ug/L			09/20/23 01:19	4000
Bromodichloromethane	ND		4000	1600	ug/L			09/20/23 01:19	4000
Bromoform	ND		4000	1000	ug/L			09/20/23 01:19	4000
Bromomethane	ND		4000	2800	ug/L			09/20/23 01:19	4000
Carbon disulfide	ND		4000	760	ug/L			09/20/23 01:19	4000
Carbon tetrachloride	ND		4000	1100	ug/L			09/20/23 01:19	4000
Chlorobenzene	120000		4000	3000	ug/L			09/20/23 01:19	4000
Chloroethane	ND		4000	1300	ug/L			09/20/23 01:19	4000
Chloroform	ND		4000	1400	ug/L			09/20/23 01:19	4000
Chloromethane	ND		4000	1400	ug/L			09/20/23 01:19	4000
cis-1,2-Dichloroethene	ND		4000	3200	ug/L			09/20/23 01:19	4000
cis-1,3-Dichloropropene	ND		4000	1400	ug/L			09/20/23 01:19	4000
Cyclohexane	ND		4000	720	ug/L			09/20/23 01:19	4000
Dibromochloromethane	ND		4000	1300	ug/L			09/20/23 01:19	4000
Dichlorodifluoromethane	ND		4000	2700	ug/L			09/20/23 01:19	4000
Ethylbenzene	ND		4000	3000	ug/L			09/20/23 01:19	4000
Isopropylbenzene	ND		4000	3200	ug/L			09/20/23 01:19	4000
Methyl acetate	ND		10000	5200	ug/L			09/20/23 01:19	4000
Methyl tert-butyl ether	ND		4000	640	ug/L			09/20/23 01:19	4000
Methylcyclohexane	ND		4000	640	ug/L			09/20/23 01:19	4000
Methylene Chloride	ND		4000	1800	ug/L			09/20/23 01:19	4000
Styrene	ND		4000	2900	ug/L			09/20/23 01:19	4000
Tetrachloroethene	ND		4000	1400	ug/L			09/20/23 01:19	4000
Toluene	ND		4000	2000	ug/L			09/20/23 01:19	4000
trans-1,2-Dichloroethene	ND		4000	3600	ug/L			09/20/23 01:19	4000
trans-1,3-Dichloropropene	ND		4000	1500	ug/L			09/20/23 01:19	4000
Trichloroethene	ND		4000	1800	ug/L			09/20/23 01:19	4000
Trichlorofluoromethane	ND		4000	3500	ug/L			09/20/23 01:19	4000
Vinyl chloride	ND		4000	3600	ug/L			09/20/23 01:19	4000
Xylenes, Total	ND		8000	2600	ug/L			09/20/23 01:19	4000

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Date Collected: 09/15/23 10:40

Matrix: Ground Water

Date Received: 09/15/23 14:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		09/20/23 01:19	4000
4-Bromofluorobenzene (Surr)	99		73 - 120		09/20/23 01:19	4000
Toluene-d8 (Surr)	108		80 - 120		09/20/23 01:19	4000
Dibromofluoromethane (Surr)	106		75 - 123		09/20/23 01:19	4000

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,4-Dichlorophenol	ND		100	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,4-Dimethylphenol	ND		100	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,4-Dinitrophenol	ND		200	44	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		09/18/23 14:50	09/20/23 00:42	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Chloronaphthalene	ND		100	9.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Chlorophenol	99	J	100	11	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Methylnaphthalene	ND		100	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Methylphenol	ND		100	8.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Nitroaniline	ND		200	8.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
2-Nitrophenol	ND		100	9.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
3-Nitroaniline	ND		200	9.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Chloroaniline	ND		100	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Methylphenol	ND		200	7.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Nitroaniline	ND		200	5.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
4-Nitrophenol	ND		200	30	ug/L		09/18/23 14:50	09/20/23 00:42	20
Acenaphthene	ND		100	8.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Acenaphthylene	ND		100	7.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
Acetophenone	ND		100	11	ug/L		09/18/23 14:50	09/20/23 00:42	20
Aniline	ND		200	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
Anthracene	ND		100	5.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
Atrazine	ND		100	9.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzaldehyde	ND		100	5.3	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzo(a)anthracene	ND		100	7.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzo(a)pyrene	ND		100	9.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
Benzo(k)fluoranthene	ND		100	15	ug/L		09/18/23 14:50	09/20/23 00:42	20
Biphenyl	ND		100	13	ug/L		09/18/23 14:50	09/20/23 00:42	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		09/18/23 14:50	09/20/23 00:42	20
Butyl benzyl phthalate	ND		100	20	ug/L		09/18/23 14:50	09/20/23 00:42	20
Caprolactam	ND		100	44	ug/L		09/18/23 14:50	09/20/23 00:42	20
Carbazole	ND		100	6.0	ug/L		09/18/23 14:50	09/20/23 00:42	20

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Date Collected: 09/15/23 10:40

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
Dibenzofuran	ND		200	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
Diethyl phthalate	ND		100	4.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
Dimethyl phthalate	ND		100	7.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
Fluoranthene	ND		100	8.0	ug/L		09/18/23 14:50	09/20/23 00:42	20
Fluorene	ND		100	7.2	ug/L		09/18/23 14:50	09/20/23 00:42	20
Hexachlorobenzene	ND		100	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
Hexachlorobutadiene	ND		100	14	ug/L		09/18/23 14:50	09/20/23 00:42	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
Hexachloroethane	ND		100	12	ug/L		09/18/23 14:50	09/20/23 00:42	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		09/18/23 14:50	09/20/23 00:42	20
Isophorone	ND		100	8.6	ug/L		09/18/23 14:50	09/20/23 00:42	20
Naphthalene	ND		100	15	ug/L		09/18/23 14:50	09/20/23 00:42	20
Nitrobenzene	ND		100	5.8	ug/L		09/18/23 14:50	09/20/23 00:42	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		09/18/23 14:50	09/20/23 00:42	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		09/18/23 14:50	09/20/23 00:42	20
Pentachlorophenol	ND		200	44	ug/L		09/18/23 14:50	09/20/23 00:42	20
Phenanthrene	ND		100	8.8	ug/L		09/18/23 14:50	09/20/23 00:42	20
Phenol	ND		100	7.8	ug/L		09/18/23 14:50	09/20/23 00:42	20
Pyrene	ND		100	6.8	ug/L		09/18/23 14:50	09/20/23 00:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		41 - 120	09/18/23 14:50	09/20/23 00:42	20
2-Fluorobiphenyl	71		48 - 120	09/18/23 14:50	09/20/23 00:42	20
2-Fluorophenol	58		35 - 120	09/18/23 14:50	09/20/23 00:42	20
Nitrobenzene-d5	68		46 - 120	09/18/23 14:50	09/20/23 00:42	20
Phenol-d5	40		22 - 120	09/18/23 14:50	09/20/23 00:42	20
p-Terphenyl-d14	73		60 - 148	09/18/23 14:50	09/20/23 00:42	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/19/23 08:28	09/19/23 18:35	1
Antimony	ND		0.020	0.0068	mg/L		09/19/23 08:28	09/19/23 18:35	1
Arsenic	0.011	J	0.015	0.0056	mg/L		09/19/23 08:28	09/19/23 18:35	1
Barium	0.027		0.0020	0.00070	mg/L		09/19/23 08:28	09/19/23 18:35	1
Beryllium	ND		0.0020	0.00030	mg/L		09/19/23 08:28	09/19/23 18:35	1
Cadmium	ND		0.0020	0.00050	mg/L		09/19/23 08:28	09/19/23 18:35	1
Calcium	309		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:35	1
Chromium	0.0026	J	0.0040	0.0010	mg/L		09/19/23 08:28	09/19/23 18:35	1
Cobalt	0.0024	J	0.0040	0.00063	mg/L		09/19/23 08:28	09/19/23 18:35	1
Copper	0.0053	J	0.010	0.0016	mg/L		09/19/23 08:28	09/19/23 18:35	1
Iron	5.7	B	0.050	0.019	mg/L		09/19/23 08:28	09/19/23 18:35	1
Lead	ND		0.010	0.0030	mg/L		09/19/23 08:28	09/19/23 18:35	1
Magnesium	91.8		0.20	0.043	mg/L		09/19/23 08:28	09/19/23 18:35	1
Manganese	0.75	B	0.0030	0.00040	mg/L		09/19/23 08:28	09/19/23 18:35	1
Nickel	0.0053	J	0.010	0.0013	mg/L		09/19/23 08:28	09/19/23 18:35	1
Potassium	2.9		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:35	1

Eurofins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Date Collected: 09/15/23 10:40

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/19/23 08:28	09/19/23 18:35	1
Silver	ND		0.0060	0.0017	mg/L		09/19/23 08:28	09/21/23 21:58	1
Sodium	124		1.0	0.32	mg/L		09/19/23 08:28	09/19/23 18:35	1
Thallium	ND		0.020	0.010	mg/L		09/19/23 08:28	09/19/23 18:35	1
Vanadium	ND		0.0050	0.0015	mg/L		09/19/23 08:28	09/19/23 18:35	1
Zinc	0.010		0.010	0.0015	mg/L		09/19/23 08:28	09/19/23 18:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/19/23 09:56	09/19/23 12:43	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Date Collected: 09/15/23 12:00

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/19/23 14:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/23 14:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/19/23 14:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/23 14:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/23 14:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/23 14:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/23 14:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/23 14:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/19/23 14:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/23 14:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/23 14:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/23 14:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/23 14:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/23 14:55	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			09/19/23 14:55	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/23 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/23 14:55	1
Acetone	ND		10	3.0	ug/L			09/19/23 14:55	1
Benzene	ND		1.0	0.41	ug/L			09/19/23 14:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/23 14:55	1
Bromoform	ND		1.0	0.26	ug/L			09/19/23 14:55	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/23 14:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/23 14:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/23 14:55	1
Chlorobenzene	0.89	J	1.0	0.75	ug/L			09/19/23 14:55	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/23 14:55	1
Chloroform	ND		1.0	0.34	ug/L			09/19/23 14:55	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/23 14:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/23 14:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/23 14:55	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/23 14:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/19/23 14:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/23 14:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/23 14:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/23 14:55	1
Methyl acetate	ND		2.5	1.3	ug/L			09/19/23 14:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/23 14:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/23 14:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/23 14:55	1
Styrene	ND		1.0	0.73	ug/L			09/19/23 14:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/23 14:55	1
Toluene	ND		1.0	0.51	ug/L			09/19/23 14:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/23 14:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/23 14:55	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/23 14:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/23 14:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/23 14:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/23 14:55	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Date Collected: 09/15/23 12:00

Matrix: Ground Water

Date Received: 09/15/23 14:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		09/19/23 14:55	1
4-Bromofluorobenzene (Surr)	109		73 - 120		09/19/23 14:55	1
Toluene-d8 (Surr)	106		80 - 120		09/19/23 14:55	1
Dibromofluoromethane (Surr)	103		75 - 123		09/19/23 14:55	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/23 14:50	09/20/23 01:09	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/23 14:50	09/20/23 01:09	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/23 14:50	09/20/23 01:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/23 14:50	09/20/23 01:09	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/23 14:50	09/20/23 01:09	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/23 14:50	09/20/23 01:09	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/23 14:50	09/20/23 01:09	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/23 14:50	09/20/23 01:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/23 14:50	09/20/23 01:09	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/23 14:50	09/20/23 01:09	1
Aniline	ND		10	0.61	ug/L		09/18/23 14:50	09/20/23 01:09	1
Anthracene	ND		5.0	0.28	ug/L		09/18/23 14:50	09/20/23 01:09	1
Atrazine	ND		5.0	0.46	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/23 14:50	09/20/23 01:09	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/23 14:50	09/20/23 01:09	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/23 14:50	09/20/23 01:09	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/23 14:50	09/20/23 01:09	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/23 14:50	09/20/23 01:09	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/23 14:50	09/20/23 01:09	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/23 14:50	09/20/23 01:09	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/23 14:50	09/20/23 01:09	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/23 14:50	09/20/23 01:09	1
Carbazole	ND		5.0	0.30	ug/L		09/18/23 14:50	09/20/23 01:09	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Date Collected: 09/15/23 12:00

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/23 14:50	09/20/23 01:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/23 14:50	09/20/23 01:09	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/23 14:50	09/20/23 01:09	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/23 14:50	09/20/23 01:09	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/23 14:50	09/20/23 01:09	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/23 14:50	09/20/23 01:09	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/23 14:50	09/20/23 01:09	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/23 14:50	09/20/23 01:09	1
Fluorene	ND		5.0	0.36	ug/L		09/18/23 14:50	09/20/23 01:09	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/23 14:50	09/20/23 01:09	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/23 14:50	09/20/23 01:09	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/23 14:50	09/20/23 01:09	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/23 14:50	09/20/23 01:09	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/23 14:50	09/20/23 01:09	1
Isophorone	ND		5.0	0.43	ug/L		09/18/23 14:50	09/20/23 01:09	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/23 14:50	09/20/23 01:09	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/23 14:50	09/20/23 01:09	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/23 14:50	09/20/23 01:09	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/23 14:50	09/20/23 01:09	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/23 14:50	09/20/23 01:09	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/23 14:50	09/20/23 01:09	1
Phenol	ND		5.0	0.39	ug/L		09/18/23 14:50	09/20/23 01:09	1
Pyrene	ND		5.0	0.34	ug/L		09/18/23 14:50	09/20/23 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		41 - 120	09/18/23 14:50	09/20/23 01:09	1
2-Fluorobiphenyl	84		48 - 120	09/18/23 14:50	09/20/23 01:09	1
2-Fluorophenol	62		35 - 120	09/18/23 14:50	09/20/23 01:09	1
Nitrobenzene-d5	71		46 - 120	09/18/23 14:50	09/20/23 01:09	1
Phenol-d5	45		22 - 120	09/18/23 14:50	09/20/23 01:09	1
p-Terphenyl-d14	80		60 - 148	09/18/23 14:50	09/20/23 01:09	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.067	J	0.20	0.060	mg/L		09/19/23 08:28	09/19/23 18:39	1
Antimony	ND		0.020	0.0068	mg/L		09/19/23 08:28	09/19/23 18:39	1
Arsenic	ND		0.015	0.0056	mg/L		09/19/23 08:28	09/19/23 18:39	1
Barium	0.051		0.0020	0.00070	mg/L		09/19/23 08:28	09/19/23 18:39	1
Beryllium	ND		0.0020	0.00030	mg/L		09/19/23 08:28	09/19/23 18:39	1
Cadmium	0.00077	J	0.0020	0.00050	mg/L		09/19/23 08:28	09/19/23 18:39	1
Calcium	108		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:39	1
Chromium	0.0048		0.0040	0.0010	mg/L		09/19/23 08:28	09/19/23 18:39	1
Cobalt	ND		0.0040	0.00063	mg/L		09/19/23 08:28	09/19/23 18:39	1
Copper	0.0083	J	0.010	0.0016	mg/L		09/19/23 08:28	09/19/23 18:39	1
Iron	0.13	B	0.050	0.019	mg/L		09/19/23 08:28	09/19/23 18:39	1
Lead	ND		0.010	0.0030	mg/L		09/19/23 08:28	09/19/23 18:39	1
Magnesium	12.2		0.20	0.043	mg/L		09/19/23 08:28	09/19/23 18:39	1
Manganese	0.79	B	0.0030	0.00040	mg/L		09/19/23 08:28	09/19/23 18:39	1
Nickel	0.018		0.010	0.0013	mg/L		09/19/23 08:28	09/19/23 18:39	1
Potassium	1.1		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:39	1

Euromins Buffalo

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Date Collected: 09/15/23 12:00

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/19/23 08:28	09/19/23 18:39	1
Silver	ND		0.0060	0.0017	mg/L		09/19/23 08:28	09/21/23 22:02	1
Sodium	36.6		1.0	0.32	mg/L		09/19/23 08:28	09/19/23 18:39	1
Thallium	ND		0.020	0.010	mg/L		09/19/23 08:28	09/19/23 18:39	1
Vanadium	0.0028	J	0.0050	0.0015	mg/L		09/19/23 08:28	09/19/23 18:39	1
Zinc	0.0081	J	0.010	0.0015	mg/L		09/19/23 08:28	09/19/23 18:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/19/23 09:56	09/19/23 12:44	1



Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Date Collected: 09/15/23 10:30

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4000	3300	ug/L			09/20/23 01:42	4000
1,1,2,2-Tetrachloroethane	ND		4000	840	ug/L			09/20/23 01:42	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200	ug/L			09/20/23 01:42	4000
1,1,2-Trichloroethane	ND		4000	920	ug/L			09/20/23 01:42	4000
1,1-Dichloroethane	ND		4000	1500	ug/L			09/20/23 01:42	4000
1,1-Dichloroethene	ND		4000	1200	ug/L			09/20/23 01:42	4000
1,2,4-Trichlorobenzene	ND		4000	1600	ug/L			09/20/23 01:42	4000
1,2-Dibromo-3-Chloropropane	ND		4000	1600	ug/L			09/20/23 01:42	4000
1,2-Dibromoethane	ND		4000	2900	ug/L			09/20/23 01:42	4000
1,2-Dichlorobenzene	ND		4000	3200	ug/L			09/20/23 01:42	4000
1,2-Dichloroethane	ND		4000	840	ug/L			09/20/23 01:42	4000
1,2-Dichloropropane	ND		4000	2900	ug/L			09/20/23 01:42	4000
1,3-Dichlorobenzene	ND		4000	3100	ug/L			09/20/23 01:42	4000
1,4-Dichlorobenzene	ND		4000	3400	ug/L			09/20/23 01:42	4000
2-Butanone (MEK)	ND		40000	5300	ug/L			09/20/23 01:42	4000
2-Hexanone	ND		20000	5000	ug/L			09/20/23 01:42	4000
4-Methyl-2-pentanone (MIBK)	ND		20000	8400	ug/L			09/20/23 01:42	4000
Acetone	ND		40000	12000	ug/L			09/20/23 01:42	4000
Benzene	ND		4000	1600	ug/L			09/20/23 01:42	4000
Bromodichloromethane	ND		4000	1600	ug/L			09/20/23 01:42	4000
Bromoform	ND		4000	1000	ug/L			09/20/23 01:42	4000
Bromomethane	ND		4000	2800	ug/L			09/20/23 01:42	4000
Carbon disulfide	ND		4000	760	ug/L			09/20/23 01:42	4000
Carbon tetrachloride	ND		4000	1100	ug/L			09/20/23 01:42	4000
Chlorobenzene	120000	F1	4000	3000	ug/L			09/20/23 01:42	4000
Chloroethane	ND		4000	1300	ug/L			09/20/23 01:42	4000
Chloroform	ND		4000	1400	ug/L			09/20/23 01:42	4000
Chloromethane	ND		4000	1400	ug/L			09/20/23 01:42	4000
cis-1,2-Dichloroethene	ND		4000	3200	ug/L			09/20/23 01:42	4000
cis-1,3-Dichloropropene	ND		4000	1400	ug/L			09/20/23 01:42	4000
Cyclohexane	ND		4000	720	ug/L			09/20/23 01:42	4000
Dibromochloromethane	ND		4000	1300	ug/L			09/20/23 01:42	4000
Dichlorodifluoromethane	ND		4000	2700	ug/L			09/20/23 01:42	4000
Ethylbenzene	ND		4000	3000	ug/L			09/20/23 01:42	4000
Isopropylbenzene	ND		4000	3200	ug/L			09/20/23 01:42	4000
Methyl acetate	ND		10000	5200	ug/L			09/20/23 01:42	4000
Methyl tert-butyl ether	ND		4000	640	ug/L			09/20/23 01:42	4000
Methylcyclohexane	ND		4000	640	ug/L			09/20/23 01:42	4000
Methylene Chloride	ND		4000	1800	ug/L			09/20/23 01:42	4000
Styrene	ND		4000	2900	ug/L			09/20/23 01:42	4000
Tetrachloroethene	ND		4000	1400	ug/L			09/20/23 01:42	4000
Toluene	ND		4000	2000	ug/L			09/20/23 01:42	4000
trans-1,2-Dichloroethene	ND		4000	3600	ug/L			09/20/23 01:42	4000
trans-1,3-Dichloropropene	ND		4000	1500	ug/L			09/20/23 01:42	4000
Trichloroethene	ND		4000	1800	ug/L			09/20/23 01:42	4000
Trichlorofluoromethane	ND		4000	3500	ug/L			09/20/23 01:42	4000
Vinyl chloride	ND		4000	3600	ug/L			09/20/23 01:42	4000
Xylenes, Total	ND		8000	2600	ug/L			09/20/23 01:42	4000

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Date Collected: 09/15/23 10:30

Matrix: Ground Water

Date Received: 09/15/23 14:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		09/20/23 01:42	4000
4-Bromofluorobenzene (Surr)	99		73 - 120		09/20/23 01:42	4000
Toluene-d8 (Surr)	110		80 - 120		09/20/23 01:42	4000
Dibromofluoromethane (Surr)	105		75 - 123		09/20/23 01:42	4000

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,4-Dichlorophenol	ND		100	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,4-Dimethylphenol	ND		100	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,4-Dinitrophenol	ND	F1	200	44	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		09/18/23 14:50	09/19/23 18:28	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Chloronaphthalene	ND		100	9.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Chlorophenol	86	J F1	100	11	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Methylnaphthalene	ND		100	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Methylphenol	ND		100	8.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Nitroaniline	ND		200	8.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
2-Nitrophenol	ND		100	9.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
3-Nitroaniline	ND	F2	200	9.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
4,6-Dinitro-2-methylphenol	ND	F1	200	44	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Chloroaniline	ND		100	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Methylphenol	ND		200	7.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Nitroaniline	ND		200	5.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
4-Nitrophenol	ND		200	30	ug/L		09/18/23 14:50	09/19/23 18:28	20
Acenaphthene	ND		100	8.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Acenaphthylene	ND		100	7.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
Acetophenone	ND		100	11	ug/L		09/18/23 14:50	09/19/23 18:28	20
Aniline	ND		200	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
Anthracene	ND		100	5.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
Atrazine	ND		100	9.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzaldehyde	ND		100	5.3	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzo(a)anthracene	ND		100	7.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzo(a)pyrene	ND		100	9.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
Benzo(k)fluoranthene	ND		100	15	ug/L		09/18/23 14:50	09/19/23 18:28	20
Biphenyl	ND		100	13	ug/L		09/18/23 14:50	09/19/23 18:28	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		09/18/23 14:50	09/19/23 18:28	20
Butyl benzyl phthalate	ND		100	20	ug/L		09/18/23 14:50	09/19/23 18:28	20
Caprolactam	ND	F1	100	44	ug/L		09/18/23 14:50	09/19/23 18:28	20
Carbazole	ND		100	6.0	ug/L		09/18/23 14:50	09/19/23 18:28	20

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Date Collected: 09/15/23 10:30

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		100	6.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
Dibenzofuran	ND		200	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
Diethyl phthalate	ND		100	4.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
Dimethyl phthalate	ND		100	7.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
Fluoranthene	ND		100	8.0	ug/L		09/18/23 14:50	09/19/23 18:28	20
Fluorene	ND		100	7.2	ug/L		09/18/23 14:50	09/19/23 18:28	20
Hexachlorobenzene	ND		100	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
Hexachlorobutadiene	ND		100	14	ug/L		09/18/23 14:50	09/19/23 18:28	20
Hexachlorocyclopentadiene	ND	F1	100	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
Hexachloroethane	ND		100	12	ug/L		09/18/23 14:50	09/19/23 18:28	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		09/18/23 14:50	09/19/23 18:28	20
Isophorone	ND		100	8.6	ug/L		09/18/23 14:50	09/19/23 18:28	20
Naphthalene	ND		100	15	ug/L		09/18/23 14:50	09/19/23 18:28	20
Nitrobenzene	ND		100	5.8	ug/L		09/18/23 14:50	09/19/23 18:28	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		09/18/23 14:50	09/19/23 18:28	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		09/18/23 14:50	09/19/23 18:28	20
Pentachlorophenol	ND	F1	200	44	ug/L		09/18/23 14:50	09/19/23 18:28	20
Phenanthrene	ND		100	8.8	ug/L		09/18/23 14:50	09/19/23 18:28	20
Phenol	ND		100	7.8	ug/L		09/18/23 14:50	09/19/23 18:28	20
Pyrene	ND		100	6.8	ug/L		09/18/23 14:50	09/19/23 18:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		41 - 120	09/18/23 14:50	09/19/23 18:28	20
2-Fluorobiphenyl	64		48 - 120	09/18/23 14:50	09/19/23 18:28	20
2-Fluorophenol	54		35 - 120	09/18/23 14:50	09/19/23 18:28	20
Nitrobenzene-d5	60		46 - 120	09/18/23 14:50	09/19/23 18:28	20
Phenol-d5	33		22 - 120	09/18/23 14:50	09/19/23 18:28	20
p-Terphenyl-d14	65		60 - 148	09/18/23 14:50	09/19/23 18:28	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.067	J	0.20	0.060	mg/L		09/19/23 08:28	09/19/23 18:42	1
Antimony	ND		0.020	0.0068	mg/L		09/19/23 08:28	09/19/23 18:42	1
Arsenic	0.013	J	0.015	0.0056	mg/L		09/19/23 08:28	09/19/23 18:42	1
Barium	0.028		0.0020	0.00070	mg/L		09/19/23 08:28	09/19/23 18:42	1
Beryllium	ND		0.0020	0.00030	mg/L		09/19/23 08:28	09/19/23 18:42	1
Cadmium	0.00065	J	0.0020	0.00050	mg/L		09/19/23 08:28	09/19/23 18:42	1
Calcium	301		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:42	1
Chromium	0.0020	J	0.0040	0.0010	mg/L		09/19/23 08:28	09/19/23 18:42	1
Cobalt	0.0024	J	0.0040	0.00063	mg/L		09/19/23 08:28	09/19/23 18:42	1
Copper	0.0049	J	0.010	0.0016	mg/L		09/19/23 08:28	09/19/23 18:42	1
Iron	6.2	B	0.050	0.019	mg/L		09/19/23 08:28	09/19/23 18:42	1
Lead	ND		0.010	0.0030	mg/L		09/19/23 08:28	09/19/23 18:42	1
Magnesium	90.2		0.20	0.043	mg/L		09/19/23 08:28	09/19/23 18:42	1
Manganese	0.79	B	0.0030	0.00040	mg/L		09/19/23 08:28	09/19/23 18:42	1
Nickel	0.0050	J	0.010	0.0013	mg/L		09/19/23 08:28	09/19/23 18:42	1
Potassium	2.9		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:42	1

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Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Date Collected: 09/15/23 10:30

Matrix: Ground Water

Date Received: 09/15/23 14:05

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/19/23 08:28	09/19/23 18:42	1
Silver	ND		0.0060	0.0017	mg/L		09/19/23 08:28	09/21/23 22:06	1
Sodium	122		1.0	0.32	mg/L		09/19/23 08:28	09/19/23 18:42	1
Thallium	ND		0.020	0.010	mg/L		09/19/23 08:28	09/19/23 18:42	1
Vanadium	ND		0.0050	0.0015	mg/L		09/19/23 08:28	09/19/23 18:42	1
Zinc	0.011		0.010	0.0015	mg/L		09/19/23 08:28	09/19/23 18:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/19/23 09:56	09/19/23 12:45	1

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

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-212800-4

Date Collected: 09/15/23 00:00

Matrix: Water

Date Received: 09/15/23 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/19/23 05:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/23 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/19/23 05:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/23 05:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/23 05:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/23 05:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/23 05:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/23 05:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/19/23 05:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/23 05:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/23 05:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/23 05:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/23 05:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/23 05:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/23 05:49	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/23 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/23 05:49	1
Acetone	3.1	J	10	3.0	ug/L			09/19/23 05:49	1
Benzene	ND		1.0	0.41	ug/L			09/19/23 05:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/23 05:49	1
Bromoform	ND		1.0	0.26	ug/L			09/19/23 05:49	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/23 05:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/23 05:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/23 05:49	1
Chlorobenzene	2.8		1.0	0.75	ug/L			09/19/23 05:49	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/23 05:49	1
Chloroform	ND		1.0	0.34	ug/L			09/19/23 05:49	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/23 05:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/23 05:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/23 05:49	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/23 05:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/19/23 05:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/23 05:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/23 05:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/23 05:49	1
Methyl acetate	ND		2.5	1.3	ug/L			09/19/23 05:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/23 05:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/23 05:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/23 05:49	1
Styrene	ND		1.0	0.73	ug/L			09/19/23 05:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/23 05:49	1
Toluene	ND		1.0	0.51	ug/L			09/19/23 05:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/23 05:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/23 05:49	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/23 05:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/23 05:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/23 05:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/23 05:49	1

Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-212800-4

Date Collected: 09/15/23 00:00

Matrix: Water

Date Received: 09/15/23 14:05

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		09/19/23 05:49	1
4-Bromofluorobenzene (Surr)	109		73 - 120		09/19/23 05:49	1
Toluene-d8 (Surr)	105		80 - 120		09/19/23 05:49	1
Dibromofluoromethane (Surr)	102		75 - 123		09/19/23 05:49	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-212800-1	BCC Area E RFI-32A D	107	99	108	106
480-212800-2	BCC Area E RFI-33	106	109	106	103
480-212800-3	BCC Area E RFI-32A	109	99	110	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)
 DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-212800-3 MS	BCC Area E RFI-32A MS	106	98	108	103
480-212800-3 MSD	BCC Area E RFI-32A MSD	106	96	107	103
480-212800-4	TRIP BLANK	106	109	105	102
LCS 480-683918/6	Lab Control Sample	103	104	104	100
LCS 480-683984/6	Lab Control Sample	110	104	103	101
LCS 480-684099/6	Lab Control Sample	106	95	109	106
LCS 480-683984/7	Lab Control Sample Dup	110	100	104	100
MB 480-683918/8	Method Blank	105	105	107	105
MB 480-683984/9	Method Blank	103	108	105	101
MB 480-684099/8	Method Blank	106	98	110	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)
 DBFM = Dibromofluoromethane (Surr)

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

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-212800-1	BCC Area E RFI-32A D	120	71	58	68	40	73
480-212800-2	BCC Area E RFI-33	96	84	62	71	45	80
480-212800-3	BCC Area E RFI-32A	85	64	54	60	33	65

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 PHL = Phenol-d5
 TPHd14 = p-Terphenyl-d14

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-212800-3 MS	BCC Area E RFI-32A MS	127 S1+	81	72	86	50	81
480-212800-3 MSD	BCC Area E RFI-32A MSD	126 S1+	78	65	81	46	80
LCS 480-683931/2-A	Lab Control Sample	106	95	74	86	59	108
MB 480-683931/1-A	Method Blank	78	78	65	71	46	95

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 PHL = Phenol-d5
 TPHd14 = p-Terphenyl-d14



QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-683918/8
Matrix: Water
Analysis Batch: 683918

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/18/23 23:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/23 23:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/18/23 23:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/18/23 23:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/18/23 23:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/18/23 23:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/18/23 23:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/18/23 23:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/18/23 23:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/18/23 23:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/18/23 23:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/18/23 23:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/18/23 23:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/18/23 23:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/18/23 23:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/18/23 23:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/18/23 23:56	1
Acetone	ND		10	3.0	ug/L			09/18/23 23:56	1
Benzene	ND		1.0	0.41	ug/L			09/18/23 23:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/18/23 23:56	1
Bromoform	ND		1.0	0.26	ug/L			09/18/23 23:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/18/23 23:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/18/23 23:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/18/23 23:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/18/23 23:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/18/23 23:56	1
Chloroform	ND		1.0	0.34	ug/L			09/18/23 23:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/18/23 23:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/18/23 23:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/18/23 23:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/18/23 23:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/18/23 23:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/18/23 23:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/23 23:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/18/23 23:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/18/23 23:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/18/23 23:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/18/23 23:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/23 23:56	1
Styrene	ND		1.0	0.73	ug/L			09/18/23 23:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/23 23:56	1
Toluene	ND		1.0	0.51	ug/L			09/18/23 23:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/23 23:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/18/23 23:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/23 23:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/18/23 23:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/18/23 23:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/23 23:56	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: MB 480-683918/8
Matrix: Water
Analysis Batch: 683918

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		09/18/23 23:56	1
4-Bromofluorobenzene (Surr)	105		73 - 120		09/18/23 23:56	1
Toluene-d8 (Surr)	107		80 - 120		09/18/23 23:56	1
Dibromofluoromethane (Surr)	105		75 - 123		09/18/23 23:56	1

Lab Sample ID: LCS 480-683918/6
Matrix: Water
Analysis Batch: 683918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.8		ug/L		99	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.7		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	137		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		102	80 - 122
Bromoform	25.0	29.4		ug/L		118	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Chloroethane	25.0	21.3		ug/L		85	69 - 136
Chloroform	25.0	22.9		ug/L		91	73 - 127
Chloromethane	25.0	18.8		ug/L		75	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		103	74 - 124
Cyclohexane	25.0	24.8		ug/L		99	59 - 135
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	19.7		ug/L		79	59 - 135
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	50.8		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	24.5		ug/L		98	68 - 134

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCS 480-683918/6
Matrix: Water
Analysis Batch: 683918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	24.1		ug/L		96	75 - 124
Styrene	25.0	24.9		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	23.0		ug/L		92	62 - 150
Vinyl chloride	25.0	20.9		ug/L		84	65 - 133
Xylenes, Total	50.0	49.0		ug/L		98	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-683984/9
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/19/23 12:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/23 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/19/23 12:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/23 12:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/23 12:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/23 12:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/23 12:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/23 12:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/19/23 12:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/23 12:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/23 12:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/23 12:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/23 12:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/23 12:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/23 12:06	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/23 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/23 12:06	1
Acetone	ND		10	3.0	ug/L			09/19/23 12:06	1
Benzene	ND		1.0	0.41	ug/L			09/19/23 12:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/23 12:06	1
Bromoform	ND		1.0	0.26	ug/L			09/19/23 12:06	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/23 12:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/23 12:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/23 12:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/23 12:06	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/23 12:06	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: MB 480-683984/9
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			09/19/23 12:06	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/23 12:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/23 12:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/23 12:06	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/23 12:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/19/23 12:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/23 12:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/23 12:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/23 12:06	1
Methyl acetate	ND		2.5	1.3	ug/L			09/19/23 12:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/23 12:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/23 12:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/23 12:06	1
Styrene	ND		1.0	0.73	ug/L			09/19/23 12:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/23 12:06	1
Toluene	ND		1.0	0.51	ug/L			09/19/23 12:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/23 12:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/23 12:06	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/23 12:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/23 12:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/23 12:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/23 12:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/19/23 12:06	1
4-Bromofluorobenzene (Surr)	108		73 - 120		09/19/23 12:06	1
Toluene-d8 (Surr)	105		80 - 120		09/19/23 12:06	1
Dibromofluoromethane (Surr)	101		75 - 123		09/19/23 12:06	1

Lab Sample ID: LCS 480-683984/6
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.6		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.5		ug/L		118	61 - 148
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	27.3		ug/L		109	77 - 120
1,1-Dichloroethene	25.0	28.8		ug/L		115	66 - 127
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	26.6		ug/L		106	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		103	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCS 480-683984/6
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	244	*+	ug/L		196	57 - 140
2-Hexanone	125	144		ug/L		115	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122
Bromoform	25.0	30.7		ug/L		123	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	28.0		ug/L		112	59 - 134
Carbon tetrachloride	25.0	29.4		ug/L		118	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	24.1		ug/L		97	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	29.2		ug/L		117	74 - 124
Cyclohexane	25.0	28.5		ug/L		114	59 - 135
Dibromochloromethane	25.0	28.7		ug/L		115	75 - 125
Dichlorodifluoromethane	25.0	23.0		ug/L		92	59 - 135
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		102	77 - 122
Methyl acetate	50.0	52.9		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	28.4		ug/L		114	68 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	28.6		ug/L		115	80 - 120
Trichloroethene	25.0	26.6		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	27.1		ug/L		108	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133
Xylenes, Total	50.0	52.0		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: LCSD 480-683984/7
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	27.9		ug/L		111	73 - 126	2	15
1,1,1,2-Tetrachloroethane	25.0	26.6		ug/L		106	76 - 120	4	15

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCSD 480-683984/7
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.3		ug/L		117	61 - 148	0	20
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122	1	15
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120	1	20
1,1-Dichloroethene	25.0	29.7		ug/L		119	66 - 127	3	16
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	25.0	28.1		ug/L		112	56 - 134	5	15
1,2-Dibromoethane	25.0	26.6		ug/L		106	77 - 120	0	15
1,2-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 124	4	20
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120	0	20
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120	0	20
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120	3	20
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120	1	20
2-Butanone (MEK)	125	240	+	ug/L		192	57 - 140	2	20
2-Hexanone	125	135		ug/L		108	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125	1	35
Acetone	125	139		ug/L		111	56 - 142	0	15
Benzene	25.0	27.2		ug/L		109	71 - 124	2	13
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122	1	15
Bromoform	25.0	30.7		ug/L		123	61 - 132	0	15
Bromomethane	25.0	24.5		ug/L		98	55 - 144	3	15
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134	2	15
Carbon tetrachloride	25.0	29.9		ug/L		120	72 - 134	2	15
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120	1	25
Chloroethane	25.0	23.1		ug/L		93	69 - 136	5	15
Chloroform	25.0	24.7		ug/L		99	73 - 127	3	20
Chloromethane	25.0	21.8		ug/L		87	68 - 124	2	15
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	74 - 124	3	15
cis-1,3-Dichloropropene	25.0	29.1		ug/L		117	74 - 124	0	15
Cyclohexane	25.0	29.4		ug/L		118	59 - 135	3	20
Dibromochloromethane	25.0	28.9		ug/L		116	75 - 125	1	15
Dichlorodifluoromethane	25.0	23.3		ug/L		93	59 - 135	1	20
Ethylbenzene	25.0	27.1		ug/L		108	77 - 123	1	15
Isopropylbenzene	25.0	27.6		ug/L		110	77 - 122	8	20
Methyl acetate	50.0	53.3		ug/L		107	74 - 133	1	20
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120	1	37
Methylcyclohexane	25.0	29.7		ug/L		119	68 - 134	4	20
Methylene Chloride	25.0	26.4		ug/L		106	75 - 124	1	15
Styrene	25.0	26.6		ug/L		106	80 - 120	1	20
Tetrachloroethene	25.0	27.1		ug/L		109	74 - 122	1	20
Toluene	25.0	26.3		ug/L		105	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127	2	20
trans-1,3-Dichloropropene	25.0	28.7		ug/L		115	80 - 120	0	15
Trichloroethene	25.0	26.8		ug/L		107	74 - 123	1	16
Trichlorofluoromethane	25.0	26.5		ug/L		106	62 - 150	2	20
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133	2	15
Xylenes, Total	50.0	52.9		ug/L		106	76 - 122	2	16

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCSD 480-683984/7
Matrix: Water
Analysis Batch: 683984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

<i>Surrogate</i>	<i>%Recovery</i>	<i>LCSD Qualifier</i>	<i>LCSD Limits</i>
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-684099/8
Matrix: Water
Analysis Batch: 684099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/20/23 00:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/23 00:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/20/23 00:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/23 00:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/23 00:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/23 00:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/23 00:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/23 00:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/20/23 00:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/23 00:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/23 00:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/23 00:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/23 00:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/23 00:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/23 00:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/23 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/23 00:33	1
Acetone	ND		10	3.0	ug/L			09/20/23 00:33	1
Benzene	ND		1.0	0.41	ug/L			09/20/23 00:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/23 00:33	1
Bromoform	ND		1.0	0.26	ug/L			09/20/23 00:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/23 00:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/23 00:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/23 00:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/23 00:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/23 00:33	1
Chloroform	ND		1.0	0.34	ug/L			09/20/23 00:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/23 00:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/23 00:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/23 00:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/23 00:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/20/23 00:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/23 00:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/23 00:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/23 00:33	1
Methyl acetate	ND		2.5	1.3	ug/L			09/20/23 00:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/23 00:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/23 00:33	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: MB 480-684099/8
Matrix: Water
Analysis Batch: 684099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/23 00:33	1
Styrene	ND		1.0	0.73	ug/L			09/20/23 00:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/23 00:33	1
Toluene	ND		1.0	0.51	ug/L			09/20/23 00:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/23 00:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/23 00:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/23 00:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/23 00:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/23 00:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/23 00:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		09/20/23 00:33	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/20/23 00:33	1
Toluene-d8 (Surr)	110		80 - 120		09/20/23 00:33	1
Dibromofluoromethane (Surr)	104		75 - 123		09/20/23 00:33	1

Lab Sample ID: LCS 480-684099/6
Matrix: Water
Analysis Batch: 684099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.8		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.7		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	155		ug/L		124	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	22.7		ug/L		91	61 - 132
Bromomethane	25.0	23.9		ug/L		96	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	23.7		ug/L		95	69 - 136

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCS 480-684099/6
Matrix: Water
Analysis Batch: 684099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	24.0		ug/L		96	59 - 135
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
Isopropylbenzene	25.0	27.9		ug/L		111	77 - 122
Methyl acetate	50.0	48.2		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	26.6		ug/L		107	68 - 134
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		101	74 - 122
Toluene	25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	26.3		ug/L		105	62 - 150
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133
Xylenes, Total	50.0	50.4		ug/L		101	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684099

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		100000	105000		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	ND		100000	101000		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000	106000		ug/L		106	61 - 148
1,1,2-Trichloroethane	ND		100000	99200		ug/L		99	76 - 122
1,1-Dichloroethane	ND		100000	102000		ug/L		102	77 - 120
1,1-Dichloroethene	ND		100000	105000		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	ND		100000	98700		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100000	109000		ug/L		109	56 - 134
1,2-Dibromoethane	ND		100000	102000		ug/L		102	77 - 120
1,2-Dichlorobenzene	ND		100000	101000		ug/L		101	80 - 124
1,2-Dichloroethane	ND		100000	99700		ug/L		100	75 - 120
1,2-Dichloropropane	ND		100000	98500		ug/L		99	76 - 120
1,3-Dichlorobenzene	ND		100000	101000		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		100000	100000		ug/L		100	78 - 124

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: 480-212800-3 MSD

Client Sample ID: BCC Area E RFI-32A MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 684099

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000	104000		ug/L		104	61 - 148	1	20
1,1,2-Trichloroethane	ND		100000	99300		ug/L		99	76 - 122	0	15
1,1-Dichloroethane	ND		100000	98200		ug/L		98	77 - 120	4	20
1,1-Dichloroethene	ND		100000	99200		ug/L		99	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		100000	95100		ug/L		95	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		100000	113000		ug/L		113	56 - 134	3	15
1,2-Dibromoethane	ND		100000	100000		ug/L		100	77 - 120	2	15
1,2-Dichlorobenzene	ND		100000	97500		ug/L		97	80 - 124	4	20
1,2-Dichloroethane	ND		100000	98300		ug/L		98	75 - 120	1	20
1,2-Dichloropropane	ND		100000	96100		ug/L		96	76 - 120	2	20
1,3-Dichlorobenzene	ND		100000	99000		ug/L		99	77 - 120	2	20
1,4-Dichlorobenzene	ND		100000	95000		ug/L		95	78 - 124	5	20
2-Butanone (MEK)	ND		500000	567000		ug/L		113	57 - 140	0	20
2-Hexanone	ND		500000	556000		ug/L		111	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		500000	518000		ug/L		104	71 - 125	1	35
Acetone	ND		500000	676000		ug/L		135	56 - 142	1	15
Benzene	ND		100000	97500		ug/L		98	71 - 124	3	13
Bromodichloromethane	ND		100000	100000		ug/L		100	80 - 122	1	15
Bromoform	ND		100000	91900		ug/L		92	61 - 132	3	15
Bromomethane	ND		100000	91600		ug/L		92	55 - 144	2	15
Carbon disulfide	ND		100000	98800		ug/L		99	59 - 134	1	15
Carbon tetrachloride	ND		100000	101000		ug/L		101	72 - 134	0	15
Chlorobenzene	120000	F1	100000	194000	F1	ug/L		71	80 - 120	2	25
Chloroethane	ND		100000	90400		ug/L		90	69 - 136	4	15
Chloroform	ND		100000	96400		ug/L		96	73 - 127	1	20
Chloromethane	ND		100000	95400		ug/L		95	68 - 124	1	15
cis-1,2-Dichloroethene	ND		100000	96000		ug/L		96	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100000	93400		ug/L		93	74 - 124	1	15
Cyclohexane	ND		100000	104000		ug/L		104	59 - 135	5	20
Dibromochloromethane	ND		100000	102000		ug/L		102	75 - 125	0	15
Dichlorodifluoromethane	ND		100000	88900		ug/L		89	59 - 135	7	20
Ethylbenzene	ND		100000	99900		ug/L		100	77 - 123	2	15
Isopropylbenzene	ND		100000	107000		ug/L		107	77 - 122	2	20
Methyl acetate	ND		200000	198000		ug/L		99	74 - 133	2	20
Methyl tert-butyl ether	ND		100000	94100		ug/L		94	77 - 120	2	37
Methylcyclohexane	ND		100000	99000		ug/L		99	68 - 134	6	20
Methylene Chloride	ND		100000	93600		ug/L		94	75 - 124	3	15
Styrene	ND		100000	97800		ug/L		98	80 - 120	0	20
Tetrachloroethene	ND		100000	98500		ug/L		98	74 - 122	5	20
Toluene	ND		100000	99500		ug/L		99	80 - 122	3	15
trans-1,2-Dichloroethene	ND		100000	95100		ug/L		95	73 - 127	2	20
trans-1,3-Dichloropropene	ND		100000	96600		ug/L		97	80 - 120	1	15
Trichloroethene	ND		100000	97000		ug/L		97	74 - 123	4	16
Trichlorofluoromethane	ND		100000	101000		ug/L		101	62 - 150	4	20
Vinyl chloride	ND		100000	100000		ug/L		100	65 - 133	2	15
Xylenes, Total	ND		200000	191000		ug/L		96	76 - 122	5	16

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: 480-212800-3 MSD

Client Sample ID: BCC Area E RFI-32A MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 684099

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

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

Lab Sample ID: MB 480-683931/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 684024

Prep Batch: 683931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/23 14:50	09/19/23 16:41	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/23 14:50	09/19/23 16:41	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/23 14:50	09/19/23 16:41	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/23 14:50	09/19/23 16:41	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/23 14:50	09/19/23 16:41	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/23 14:50	09/19/23 16:41	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/23 14:50	09/19/23 16:41	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/23 14:50	09/19/23 16:41	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/23 14:50	09/19/23 16:41	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/23 14:50	09/19/23 16:41	1
Aniline	ND		10	0.61	ug/L		09/18/23 14:50	09/19/23 16:41	1
Anthracene	ND		5.0	0.28	ug/L		09/18/23 14:50	09/19/23 16:41	1
Atrazine	ND		5.0	0.46	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/23 14:50	09/19/23 16:41	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/23 14:50	09/19/23 16:41	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/23 14:50	09/19/23 16:41	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/23 14:50	09/19/23 16:41	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: MB 480-683931/1-A
Matrix: Water
Analysis Batch: 684024

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/23 14:50	09/19/23 16:41	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/23 14:50	09/19/23 16:41	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/23 14:50	09/19/23 16:41	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/23 14:50	09/19/23 16:41	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/23 14:50	09/19/23 16:41	1
Carbazole	ND		5.0	0.30	ug/L		09/18/23 14:50	09/19/23 16:41	1
Chrysene	ND		5.0	0.33	ug/L		09/18/23 14:50	09/19/23 16:41	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/23 14:50	09/19/23 16:41	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/23 14:50	09/19/23 16:41	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/23 14:50	09/19/23 16:41	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/23 14:50	09/19/23 16:41	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/23 14:50	09/19/23 16:41	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/23 14:50	09/19/23 16:41	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/23 14:50	09/19/23 16:41	1
Fluorene	ND		5.0	0.36	ug/L		09/18/23 14:50	09/19/23 16:41	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/23 14:50	09/19/23 16:41	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/23 14:50	09/19/23 16:41	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/23 14:50	09/19/23 16:41	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/23 14:50	09/19/23 16:41	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/23 14:50	09/19/23 16:41	1
Isophorone	ND		5.0	0.43	ug/L		09/18/23 14:50	09/19/23 16:41	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/23 14:50	09/19/23 16:41	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/23 14:50	09/19/23 16:41	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/23 14:50	09/19/23 16:41	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/23 14:50	09/19/23 16:41	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/23 14:50	09/19/23 16:41	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/23 14:50	09/19/23 16:41	1
Phenol	ND		5.0	0.39	ug/L		09/18/23 14:50	09/19/23 16:41	1
Pyrene	ND		5.0	0.34	ug/L		09/18/23 14:50	09/19/23 16:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		41 - 120	09/18/23 14:50	09/19/23 16:41	1
2-Fluorobiphenyl	78		48 - 120	09/18/23 14:50	09/19/23 16:41	1
2-Fluorophenol	65		35 - 120	09/18/23 14:50	09/19/23 16:41	1
Nitrobenzene-d5	71		46 - 120	09/18/23 14:50	09/19/23 16:41	1
Phenol-d5	46		22 - 120	09/18/23 14:50	09/19/23 16:41	1
p-Terphenyl-d14	95		60 - 148	09/18/23 14:50	09/19/23 16:41	1

Lab Sample ID: LCS 480-683931/2-A
Matrix: Water
Analysis Batch: 684024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	31.4		ug/L		98	65 - 126
2,4,6-Trichlorophenol	32.0	31.6		ug/L		99	64 - 120
2,4-Dichlorophenol	32.0	30.4		ug/L		95	63 - 120
2,4-Dimethylphenol	32.0	26.7		ug/L		83	47 - 120
2,4-Dinitrophenol	64.0	59.0		ug/L		92	31 - 137

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCS 480-683931/2-A
Matrix: Water
Analysis Batch: 684024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	32.0	35.4		ug/L		111	69 - 120
2,6-Dinitrotoluene	32.0	33.3		ug/L		104	68 - 120
2-Chloronaphthalene	32.0	31.7		ug/L		99	58 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	48 - 120
2-Methylnaphthalene	32.0	27.7		ug/L		87	59 - 120
2-Methylphenol	32.0	24.5		ug/L		76	39 - 120
2-Nitroaniline	32.0	30.8		ug/L		96	54 - 127
2-Nitrophenol	32.0	30.6		ug/L		96	52 - 125
3,3'-Dichlorobenzidine	64.0	68.5		ug/L		107	49 - 135
3-Nitroaniline	32.0	29.9		ug/L		94	51 - 120
4,6-Dinitro-2-methylphenol	64.0	70.6		ug/L		110	46 - 136
4-Bromophenyl phenyl ether	32.0	33.3		ug/L		104	65 - 120
4-Chloro-3-methylphenol	32.0	31.1		ug/L		97	61 - 123
4-Chloroaniline	32.0	27.1		ug/L		85	30 - 120
4-Chlorophenyl phenyl ether	32.0	31.3		ug/L		98	62 - 120
4-Methylphenol	32.0	25.3		ug/L		79	29 - 131
4-Nitroaniline	32.0	34.6		ug/L		108	65 - 120
4-Nitrophenol	64.0	35.7		ug/L		56	45 - 120
Acenaphthene	32.0	30.1		ug/L		94	60 - 120
Acenaphthylene	32.0	30.9		ug/L		97	63 - 120
Acetophenone	32.0	30.8		ug/L		96	45 - 120
Aniline	32.0	25.5		ug/L		80	12 - 120
Anthracene	32.0	32.6		ug/L		102	67 - 120
Atrazine	64.0	69.8		ug/L		109	71 - 130
Benzaldehyde	64.0	60.3		ug/L		94	10 - 140
Benzo(a)anthracene	32.0	33.9		ug/L		106	70 - 121
Benzo(a)pyrene	32.0	35.5		ug/L		111	60 - 123
Benzo(b)fluoranthene	32.0	39.5		ug/L		123	66 - 126
Benzo(g,h,i)perylene	32.0	32.8		ug/L		102	66 - 150
Benzo(k)fluoranthene	32.0	33.8		ug/L		105	65 - 124
Biphenyl	32.0	29.2		ug/L		91	59 - 120
bis (2-chloroisopropyl) ether	32.0	29.3		ug/L		92	21 - 136
Bis(2-chloroethoxy)methane	32.0	29.8		ug/L		93	50 - 128
Bis(2-chloroethyl)ether	32.0	28.9		ug/L		90	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	33.3		ug/L		104	63 - 139
Butyl benzyl phthalate	32.0	32.8		ug/L		103	70 - 129
Caprolactam	64.0	23.5		ug/L		37	22 - 120
Carbazole	32.0	38.3		ug/L		120	66 - 123
Chrysene	32.0	35.9		ug/L		112	69 - 120
Dibenz(a,h)anthracene	32.0	32.0		ug/L		100	65 - 135
Dibenzofuran	32.0	31.1		ug/L		97	66 - 120
Diethyl phthalate	32.0	33.1		ug/L		103	59 - 127
Dimethyl phthalate	32.0	33.5		ug/L		105	68 - 120
Di-n-butyl phthalate	32.0	33.1		ug/L		103	69 - 131
Di-n-octyl phthalate	32.0	34.3		ug/L		107	63 - 140
Fluoranthene	32.0	34.2		ug/L		107	69 - 126
Fluorene	32.0	32.6		ug/L		102	66 - 120
Hexachlorobenzene	32.0	33.2		ug/L		104	61 - 120
Hexachlorobutadiene	32.0	19.5		ug/L		61	35 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: LCS 480-683931/2-A
Matrix: Water
Analysis Batch: 684024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	32.0	14.3		ug/L		45	31 - 120
Hexachloroethane	32.0	20.1		ug/L		63	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	34.1		ug/L		106	69 - 146
Isophorone	32.0	31.1		ug/L		97	55 - 120
Naphthalene	32.0	28.3		ug/L		88	57 - 120
Nitrobenzene	32.0	29.2		ug/L		91	53 - 123
N-Nitrosodi-n-propylamine	32.0	29.9		ug/L		93	32 - 140
N-Nitrosodiphenylamine	32.0	32.0		ug/L		100	61 - 120
Pentachlorophenol	64.0	65.8		ug/L		103	29 - 136
Phenanthrene	32.0	33.4		ug/L		104	68 - 120
Phenol	32.0	19.1		ug/L		60	17 - 120
Pyrene	32.0	33.1		ug/L		103	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	106		41 - 120
2-Fluorobiphenyl	95		48 - 120
2-Fluorophenol	74		35 - 120
Nitrobenzene-d5	86		46 - 120
Phenol-d5	59		22 - 120
p-Terphenyl-d14	108		60 - 148

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684024

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA
Prep Batch: 683931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		32.0	26.1	J	ug/L		82	65 - 126
2,4,6-Trichlorophenol	ND		32.0	27.0	J	ug/L		84	64 - 120
2,4-Dichlorophenol	ND		32.0	29.2	J	ug/L		91	48 - 132
2,4-Dimethylphenol	ND		32.0	25.8	J	ug/L		81	39 - 130
2,4-Dinitrotoluene	ND	F1	64.0	147	J F1	ug/L		230	21 - 150
2,4-Dinitrotoluene	ND		32.0	31.4	J	ug/L		98	54 - 138
2,6-Dinitrotoluene	ND		32.0	29.2	J	ug/L		91	17 - 150
2-Chloronaphthalene	ND		32.0	28.8	J	ug/L		90	52 - 124
2-Chlorophenol	86	J F1	32.0	138	F1	ug/L		163	48 - 120
2-Methylnaphthalene	ND		32.0	26.9	J	ug/L		84	34 - 140
2-Methylphenol	ND		32.0	15.6	J	ug/L		49	46 - 120
2-Nitroaniline	ND		32.0	30.4	J	ug/L		95	44 - 136
2-Nitrophenol	ND		32.0	30.7	J	ug/L		96	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	50.2	J	ug/L		78	10 - 150
3-Nitroaniline	ND	F2	32.0	30.3	J	ug/L		95	32 - 150
4,6-Dinitro-2-methylphenol	ND	F1	64.0	103	J F1	ug/L		161	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	30.6	J	ug/L		95	63 - 126
4-Chloro-3-methylphenol	ND		32.0	22.4	J	ug/L		70	64 - 127
4-Chloroaniline	ND		32.0	17.7	J	ug/L		55	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	26.9	J	ug/L		84	61 - 120
4-Methylphenol	ND		32.0	21.2	J	ug/L		66	36 - 120
4-Nitroaniline	ND		32.0	25.9	J	ug/L		81	32 - 150

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: 480-212800-3 MS

Matrix: Water

Analysis Batch: 684024

Client Sample ID: BCC Area E RFI-32A MS

Prep Type: Total/NA

Prep Batch: 683931

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Nitrophenol	ND		64.0	54.5	J	ug/L		85	23 - 132
Acenaphthene	ND		32.0	26.4	J	ug/L		82	48 - 120
Acenaphthylene	ND		32.0	28.2	J	ug/L		88	63 - 120
Acetophenone	ND		32.0	27.5	J	ug/L		86	53 - 120
Aniline	ND		32.0	16.4	J	ug/L		51	32 - 120
Anthracene	ND		32.0	30.7	J	ug/L		96	65 - 122
Atrazine	ND		64.0	61.6	J	ug/L		96	50 - 150
Benzaldehyde	ND		64.0	56.6	J	ug/L		88	10 - 150
Benzo(a)anthracene	ND		32.0	29.3	J	ug/L		91	43 - 124
Benzo(a)pyrene	ND		32.0	27.6	J	ug/L		86	23 - 125
Benzo(b)fluoranthene	ND		32.0	28.7	J	ug/L		90	27 - 127
Benzo(g,h,i)perylene	ND		32.0	26.2	J	ug/L		82	16 - 147
Benzo(k)fluoranthene	ND		32.0	27.9	J	ug/L		87	20 - 124
Biphenyl	ND		32.0	25.0	J	ug/L		78	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	27.6	J	ug/L		86	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	27.2	J	ug/L		85	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	22.5	J	ug/L		70	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	ND		ug/L		NC	16 - 150
Butyl benzyl phthalate	ND		32.0	28.6	J	ug/L		89	51 - 140
Caprolactam	ND	F1	64.0	ND	F1	ug/L		0	10 - 120
Carbazole	ND		32.0	29.1	J	ug/L		91	16 - 148
Chrysene	ND		32.0	30.4	J	ug/L		95	44 - 122
Dibenz(a,h)anthracene	ND		32.0	24.8	J	ug/L		78	16 - 139
Dibenzofuran	ND		32.0	27.8	J	ug/L		87	60 - 120
Diethyl phthalate	ND		32.0	29.0	J	ug/L		91	53 - 133
Dimethyl phthalate	ND		32.0	30.0	J	ug/L		94	59 - 123
Di-n-butyl phthalate	ND		32.0	31.1	J	ug/L		97	65 - 129
Di-n-octyl phthalate	ND		32.0	27.5	J	ug/L		86	16 - 150
Fluoranthene	ND		32.0	30.9	J	ug/L		96	63 - 129
Fluorene	ND		32.0	27.1	J	ug/L		85	62 - 120
Hexachlorobenzene	ND		32.0	30.2	J	ug/L		94	57 - 121
Hexachlorobutadiene	ND		32.0	19.4	J	ug/L		61	37 - 120
Hexachlorocyclopentadiene	ND	F1	32.0	38.1	J	ug/L		119	21 - 120
Hexachloroethane	ND		32.0	18.2	J	ug/L		57	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	26.0	J	ug/L		81	16 - 140
Isophorone	ND		32.0	28.5	J	ug/L		89	48 - 133
Naphthalene	ND		32.0	32.7	J	ug/L		102	45 - 120
Nitrobenzene	ND		32.0	25.7	J	ug/L		80	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	31.6	J	ug/L		99	49 - 120
N-Nitrosodiphenylamine	ND		32.0	25.9	J	ug/L		81	39 - 138
Pentachlorophenol	ND	F1	64.0	118	J F1	ug/L		185	23 - 149
Phenanthrene	ND		32.0	31.5	J	ug/L		98	65 - 122
Phenol	ND		32.0	17.4	J	ug/L		54	16 - 120
Pyrene	ND		32.0	30.8	J	ug/L		96	58 - 128

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	127	S1+	41 - 120
2-Fluorobiphenyl	81		48 - 120

QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684024

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA
Prep Batch: 683931

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol	72		35 - 120
Nitrobenzene-d5	86		46 - 120
Phenol-d5	50		22 - 120
p-Terphenyl-d14	81		60 - 148

Lab Sample ID: 480-212800-3 MSD
Matrix: Water
Analysis Batch: 684024

Client Sample ID: BCC Area E RFI-32A MSD
Prep Type: Total/NA
Prep Batch: 683931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
2,4,5-Trichlorophenol	ND		32.0	22.7	J	ug/L		71	65 - 126	14	18	
2,4,6-Trichlorophenol	ND		32.0	27.3	J	ug/L		85	64 - 120	1	19	
2,4-Dichlorophenol	ND		32.0	28.2	J	ug/L		88	48 - 132	3	19	
2,4-Dimethylphenol	ND		32.0	24.8	J	ug/L		78	39 - 130	4	42	
2,4-Dinitrophenol	ND	F1	64.0	146	J F1	ug/L		228	21 - 150	0	22	
2,4-Dinitrotoluene	ND		32.0	28.3	J	ug/L		89	54 - 138	10	20	
2,6-Dinitrotoluene	ND		32.0	27.6	J	ug/L		86	17 - 150	5	15	
2-Chloronaphthalene	ND		32.0	28.3	J	ug/L		88	52 - 124	2	21	
2-Chlorophenol	86	J F1	32.0	127	F1	ug/L		128	48 - 120	9	25	
2-Methylnaphthalene	ND		32.0	26.2	J	ug/L		82	34 - 140	3	21	
2-Methylphenol	ND		32.0	17.0	J	ug/L		53	46 - 120	9	27	
2-Nitroaniline	ND		32.0	32.1	J	ug/L		100	44 - 136	6	15	
2-Nitrophenol	ND		32.0	28.2	J	ug/L		88	38 - 141	8	18	
3,3'-Dichlorobenzidine	ND		64.0	49.1	J	ug/L		77	10 - 150	2	25	
3-Nitroaniline	ND	F2	32.0	24.1	J F2	ug/L		75	32 - 150	23	19	
4,6-Dinitro-2-methylphenol	ND	F1	64.0	101	J F1	ug/L		158	38 - 150	2	15	
4-Bromophenyl phenyl ether	ND		32.0	28.5	J	ug/L		89	63 - 126	7	15	
4-Chloro-3-methylphenol	ND		32.0	23.0	J	ug/L		72	64 - 127	2	27	
4-Chloroaniline	ND		32.0	18.5	J	ug/L		58	16 - 124	5	22	
4-Chlorophenyl phenyl ether	ND		32.0	25.8	J	ug/L		81	61 - 120	4	16	
4-Methylphenol	ND		32.0	21.3	J	ug/L		67	36 - 120	1	24	
4-Nitroaniline	ND		32.0	29.9	J	ug/L		93	32 - 150	14	24	
4-Nitrophenol	ND		64.0	44.5	J	ug/L		70	23 - 132	20	48	
Acenaphthene	ND		32.0	26.6	J	ug/L		83	48 - 120	1	24	
Acenaphthylene	ND		32.0	26.5	J	ug/L		83	63 - 120	6	18	
Acetophenone	ND		32.0	25.7	J	ug/L		80	53 - 120	7	20	
Aniline	ND		32.0	16.0	J	ug/L		50	32 - 120	3	30	
Anthracene	ND		32.0	28.9	J	ug/L		90	65 - 122	6	15	
Atrazine	ND		64.0	65.5	J	ug/L		102	50 - 150	6	20	
Benzaldehyde	ND		64.0	51.4	J	ug/L		80	10 - 150	10	20	
Benzo(a)anthracene	ND		32.0	29.6	J	ug/L		93	43 - 124	1	15	
Benzo(a)pyrene	ND		32.0	27.5	J	ug/L		86	23 - 125	0	15	
Benzo(b)fluoranthene	ND		32.0	29.2	J	ug/L		91	27 - 127	2	15	
Benzo(g,h,i)perylene	ND		32.0	26.4	J	ug/L		82	16 - 147	1	15	
Benzo(k)fluoranthene	ND		32.0	27.0	J	ug/L		84	20 - 124	3	22	
Biphenyl	ND		32.0	24.9	J	ug/L		78	57 - 120	1	20	
bis (2-chloroisopropyl) ether	ND		32.0	27.1	J	ug/L		85	28 - 121	2	24	
Bis(2-chloroethoxy)methane	ND		32.0	25.8	J	ug/L		81	44 - 128	5	17	

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

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

Lab Sample ID: 480-212800-3 MSD

Matrix: Water

Analysis Batch: 684024

Client Sample ID: BCC Area E RFI-32A MSD

Prep Type: Total/NA

Prep Batch: 683931

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Bis(2-chloroethyl)ether	ND		32.0	20.6	J	ug/L		64	45 - 120	9	21
Bis(2-ethylhexyl) phthalate	ND		32.0	ND		ug/L		NC	16 - 150	NC	15
Butyl benzyl phthalate	ND		32.0	29.3	J	ug/L		92	51 - 140	3	16
Caprolactam	ND	F1	64.0	ND	F1	ug/L		0	10 - 120	NC	20
Carbazole	ND		32.0	28.6	J	ug/L		89	16 - 148	2	20
Chrysene	ND		32.0	31.4	J	ug/L		98	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	24.9	J	ug/L		78	16 - 139	0	15
Dibenzofuran	ND		32.0	27.7	J	ug/L		87	60 - 120	0	15
Diethyl phthalate	ND		32.0	28.9	J	ug/L		90	53 - 133	0	15
Dimethyl phthalate	ND		32.0	29.3	J	ug/L		92	59 - 123	2	15
Di-n-butyl phthalate	ND		32.0	29.4	J	ug/L		92	65 - 129	6	15
Di-n-octyl phthalate	ND		32.0	27.7	J	ug/L		87	16 - 150	1	16
Fluoranthene	ND		32.0	30.7	J	ug/L		96	63 - 129	1	15
Fluorene	ND		32.0	27.6	J	ug/L		86	62 - 120	2	15
Hexachlorobenzene	ND		32.0	31.6	J	ug/L		99	57 - 121	5	15
Hexachlorobutadiene	ND		32.0	16.4	J	ug/L		51	37 - 120	17	44
Hexachlorocyclopentadiene	ND	F1	32.0	38.8	J F1	ug/L		121	21 - 120	2	49
Hexachloroethane	ND		32.0	16.8	J	ug/L		53	16 - 130	8	46
Indeno(1,2,3-cd)pyrene	ND		32.0	26.8	J	ug/L		84	16 - 140	3	15
Isophorone	ND		32.0	27.6	J	ug/L		86	48 - 133	3	17
Naphthalene	ND		32.0	29.6	J	ug/L		92	45 - 120	10	29
Nitrobenzene	ND		32.0	24.2	J	ug/L		76	45 - 123	6	24
N-Nitrosodi-n-propylamine	ND		32.0	29.3	J	ug/L		91	49 - 120	8	31
N-Nitrosodiphenylamine	ND		32.0	26.2	J	ug/L		82	39 - 138	1	15
Pentachlorophenol	ND	F1	64.0	119	J F1	ug/L		185	23 - 149	0	37
Phenanthrene	ND		32.0	30.6	J	ug/L		96	65 - 122	3	15
Phenol	ND		32.0	15.9	J	ug/L		50	16 - 120	9	34
Pyrene	ND		32.0	30.3	J	ug/L		95	58 - 128	2	19

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	126	S1+	41 - 120
2-Fluorobiphenyl	78		48 - 120
2-Fluorophenol	65		35 - 120
Nitrobenzene-d5	81		46 - 120
Phenol-d5	46		22 - 120
p-Terphenyl-d14	80		60 - 148

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-683951/1-A

Matrix: Water

Analysis Batch: 684200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 683951

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		09/19/23 08:28	09/19/23 18:25	1
Antimony	ND		0.020	0.0068	mg/L		09/19/23 08:28	09/19/23 18:25	1
Arsenic	ND		0.015	0.0056	mg/L		09/19/23 08:28	09/19/23 18:25	1
Barium	ND		0.0020	0.00070	mg/L		09/19/23 08:28	09/19/23 18:25	1
Beryllium	ND		0.0020	0.00030	mg/L		09/19/23 08:28	09/19/23 18:25	1

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-683951/1-A
Matrix: Water
Analysis Batch: 684200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		09/19/23 08:28	09/19/23 18:25	1
Calcium	ND		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:25	1
Chromium	ND		0.0040	0.0010	mg/L		09/19/23 08:28	09/19/23 18:25	1
Cobalt	ND		0.0040	0.00063	mg/L		09/19/23 08:28	09/19/23 18:25	1
Copper	ND		0.010	0.0016	mg/L		09/19/23 08:28	09/19/23 18:25	1
Iron	0.0305	J	0.050	0.019	mg/L		09/19/23 08:28	09/19/23 18:25	1
Lead	ND		0.010	0.0030	mg/L		09/19/23 08:28	09/19/23 18:25	1
Magnesium	ND		0.20	0.043	mg/L		09/19/23 08:28	09/19/23 18:25	1
Manganese	0.000570	J	0.0030	0.00040	mg/L		09/19/23 08:28	09/19/23 18:25	1
Nickel	ND		0.010	0.0013	mg/L		09/19/23 08:28	09/19/23 18:25	1
Potassium	ND		0.50	0.10	mg/L		09/19/23 08:28	09/19/23 18:25	1
Selenium	ND		0.025	0.0087	mg/L		09/19/23 08:28	09/19/23 18:25	1
Sodium	ND		1.0	0.32	mg/L		09/19/23 08:28	09/19/23 18:25	1
Thallium	ND		0.020	0.010	mg/L		09/19/23 08:28	09/19/23 18:25	1
Vanadium	ND		0.0050	0.0015	mg/L		09/19/23 08:28	09/19/23 18:25	1
Zinc	ND		0.010	0.0015	mg/L		09/19/23 08:28	09/19/23 18:25	1

Lab Sample ID: MB 480-683951/1-A
Matrix: Water
Analysis Batch: 684583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		09/19/23 08:28	09/21/23 21:51	1

Lab Sample ID: LCS 480-683951/2-A
Matrix: Water
Analysis Batch: 684200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	10.00		mg/L		100	80 - 120
Antimony	0.200	0.219		mg/L		109	80 - 120
Arsenic	0.200	0.192		mg/L		96	80 - 120
Barium	0.200	0.200		mg/L		100	80 - 120
Beryllium	0.200	0.202		mg/L		101	80 - 120
Cadmium	0.200	0.193		mg/L		97	80 - 120
Calcium	10.0	9.73		mg/L		97	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.200	0.204		mg/L		102	80 - 120
Copper	0.201	0.196		mg/L		98	80 - 120
Iron	10.0	9.97		mg/L		100	80 - 120
Lead	0.200	0.201		mg/L		100	80 - 120
Magnesium	10.0	9.74		mg/L		97	80 - 120
Manganese	0.200	0.211		mg/L		106	80 - 120
Nickel	0.200	0.198		mg/L		99	80 - 120
Potassium	10.0	9.97		mg/L		100	80 - 120
Selenium	0.200	0.186		mg/L		93	80 - 120
Sodium	10.0	9.97		mg/L		100	80 - 120
Thallium	0.200	0.203		mg/L		102	80 - 120
Vanadium	0.200	0.203		mg/L		101	80 - 120

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-683951/2-A
Matrix: Water
Analysis Batch: 684200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.200	0.198		mg/L		99	80 - 120

Lab Sample ID: LCS 480-683951/2-A
Matrix: Water
Analysis Batch: 684583

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.0500	0.0433		mg/L		87	80 - 120

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684200

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.067	J	10.0	10.51		mg/L		104	75 - 125
Antimony	ND		0.200	0.235		mg/L		118	75 - 125
Arsenic	0.013	J	0.200	0.225		mg/L		106	75 - 125
Barium	0.028		0.200	0.236		mg/L		104	75 - 125
Beryllium	ND		0.200	0.214		mg/L		107	75 - 125
Cadmium	0.00065	J	0.200	0.208		mg/L		104	75 - 125
Calcium	301		10.0	329.4	4	mg/L		288	75 - 125
Chromium	0.0020	J	0.200	0.207		mg/L		103	75 - 125
Cobalt	0.0024	J	0.200	0.211		mg/L		104	75 - 125
Copper	0.0049	J	0.201	0.210		mg/L		102	75 - 125
Iron	6.2	B	10.0	16.02		mg/L		98	75 - 125
Lead	ND		0.200	0.208		mg/L		104	75 - 125
Magnesium	90.2		10.0	105.2	4	mg/L		149	75 - 125
Manganese	0.79	B	0.200	0.958		mg/L		82	75 - 125
Nickel	0.0050	J	0.200	0.208		mg/L		101	75 - 125
Potassium	2.9		10.0	13.71		mg/L		107	75 - 125
Selenium	ND		0.200	0.195		mg/L		98	75 - 125
Sodium	122		10.0	140.5	4	mg/L		184	75 - 125
Thallium	ND		0.200	0.209		mg/L		105	75 - 125
Vanadium	ND		0.200	0.208		mg/L		104	75 - 125
Zinc	0.011		0.200	0.208		mg/L		98	75 - 125

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684583

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.0500	0.0471		mg/L		94	75 - 125

Lab Sample ID: 480-212800-3 MSD
Matrix: Water
Analysis Batch: 684200

Client Sample ID: BCC Area E RFI-32A MSD
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.067	J	10.0	9.98		mg/L		99	75 - 125	5	20
Antimony	ND		0.200	0.222		mg/L		111	75 - 125	6	20

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-212800-3 MSD
Matrix: Water
Analysis Batch: 684200

Client Sample ID: BCC Area E RFI-32A MSD
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Arsenic	0.013	J	0.200	0.209		mg/L		98	75 - 125	8	20	
Barium	0.028		0.200	0.228		mg/L		100	75 - 125	3	20	
Beryllium	ND		0.200	0.204		mg/L		102	75 - 125	5	20	
Cadmium	0.00065	J	0.200	0.198		mg/L		99	75 - 125	5	20	
Calcium	301		10.0	299.5	4	mg/L		-10	75 - 125	10	20	
Chromium	0.0020	J	0.200	0.196		mg/L		97	75 - 125	6	20	
Cobalt	0.0024	J	0.200	0.207		mg/L		102	75 - 125	2	20	
Copper	0.0049	J	0.201	0.211		mg/L		103	75 - 125	0	20	
Iron	6.2	B	10.0	15.37		mg/L		92	75 - 125	4	20	
Lead	ND		0.200	0.203		mg/L		102	75 - 125	2	20	
Magnesium	90.2		10.0	98.58	4	mg/L		83	75 - 125	6	20	
Manganese	0.79	B	0.200	0.977		mg/L		91	75 - 125	2	20	
Nickel	0.0050	J	0.200	0.204		mg/L		99	75 - 125	2	20	
Potassium	2.9		10.0	13.20		mg/L		102	75 - 125	4	20	
Selenium	ND		0.200	0.186		mg/L		93	75 - 125	5	20	
Sodium	122		10.0	131.2	4	mg/L		91	75 - 125	7	20	
Thallium	ND		0.200	0.205		mg/L		103	75 - 125	2	20	
Vanadium	ND		0.200	0.207		mg/L		104	75 - 125	1	20	
Zinc	0.011		0.200	0.201		mg/L		95	75 - 125	3	20	

Lab Sample ID: 480-212800-3 MSD
Matrix: Water
Analysis Batch: 684583

Client Sample ID: BCC Area E RFI-32A MSD
Prep Type: Total/NA
Prep Batch: 683951

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Silver	ND		0.0500	0.0460		mg/L		92	75 - 125	2	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-683989/1-A
Matrix: Water
Analysis Batch: 684116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683989

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.000043	mg/L		09/19/23 09:56	09/19/23 12:39	1

Lab Sample ID: LCS 480-683989/2-A
Matrix: Water
Analysis Batch: 684116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683989

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec	
		Added	Result				Qualifier	Limits
Mercury	0.00669	0.00705		mg/L		105	80 - 120	

Lab Sample ID: 480-212800-3 MS
Matrix: Water
Analysis Batch: 684116

Client Sample ID: BCC Area E RFI-32A MS
Prep Type: Total/NA
Prep Batch: 683989

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Mercury	ND		0.00669	0.00694		mg/L		104	80 - 120			

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QC Sample Results

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-212800-3 MSD
Matrix: Water
Analysis Batch: 684116

Client Sample ID: BCC Area E RFI-32A MSD
Prep Type: Total/NA
Prep Batch: 683989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
									Limits	RPD	RPD	Limit
Mercury	ND		0.00669	0.00707		mg/L		106	80 - 120	2		20

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- 13
- 14
- 15

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

GC/MS VOA

Analysis Batch: 683918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-683918/8	Method Blank	Total/NA	Water	8260C	
LCS 480-683918/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 683984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	8260C	
MB 480-683984/9	Method Blank	Total/NA	Water	8260C	
LCS 480-683984/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-683984/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 684099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	8260C	
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	8260C	
MB 480-684099/8	Method Blank	Total/NA	Water	8260C	
LCS 480-684099/6	Lab Control Sample	Total/NA	Water	8260C	
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	8260C	
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 683931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	3510C	
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	3510C	
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	3510C	
MB 480-683931/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-683931/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	3510C	
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	3510C	

Analysis Batch: 684024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	8270D	683931
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	8270D	683931
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	8270D	683931
MB 480-683931/1-A	Method Blank	Total/NA	Water	8270D	683931
LCS 480-683931/2-A	Lab Control Sample	Total/NA	Water	8270D	683931
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	8270D	683931
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	8270D	683931

Metals

Prep Batch: 683951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	3005A	
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	3005A	
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	3005A	
MB 480-683951/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-683951/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	3005A	

Eurofins Buffalo

QC Association Summary

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Metals (Continued)

Prep Batch: 683951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	3005A	

Prep Batch: 683989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	7470A	
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	7470A	
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	
MB 480-683989/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-683989/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	7470A	
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	7470A	

Analysis Batch: 684116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	7470A	683989
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	7470A	683989
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	7470A	683989
MB 480-683989/1-A	Method Blank	Total/NA	Water	7470A	683989
LCS 480-683989/2-A	Lab Control Sample	Total/NA	Water	7470A	683989
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	7470A	683989
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	7470A	683989

Analysis Batch: 684200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	6010C	683951
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	6010C	683951
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	6010C	683951
MB 480-683951/1-A	Method Blank	Total/NA	Water	6010C	683951
LCS 480-683951/2-A	Lab Control Sample	Total/NA	Water	6010C	683951
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	6010C	683951
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	6010C	683951

Analysis Batch: 684583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212800-1	BCC Area E RFI-32A D	Total/NA	Ground Water	6010C	683951
480-212800-2	BCC Area E RFI-33	Total/NA	Ground Water	6010C	683951
480-212800-3	BCC Area E RFI-32A	Total/NA	Ground Water	6010C	683951
MB 480-683951/1-A	Method Blank	Total/NA	Water	6010C	683951
LCS 480-683951/2-A	Lab Control Sample	Total/NA	Water	6010C	683951
480-212800-3 MS	BCC Area E RFI-32A MS	Total/NA	Water	6010C	683951
480-212800-3 MSD	BCC Area E RFI-32A MSD	Total/NA	Water	6010C	683951

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
 Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: BCC Area E RFI-32A D

Lab Sample ID: 480-212800-1

Date Collected: 09/15/23 10:40

Matrix: Ground Water

Date Received: 09/15/23 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4000	684099	AXK	EET BUF	09/20/23 01:19
Total/NA	Prep	3510C			683931	LSC	EET BUF	09/18/23 14:50
Total/NA	Analysis	8270D		20	684024	JMM	EET BUF	09/20/23 00:42
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684200	LMH	EET BUF	09/19/23 18:35
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684583	LMH	EET BUF	09/21/23 21:58
Total/NA	Prep	7470A			683989	NVK	EET BUF	09/19/23 09:56
Total/NA	Analysis	7470A		1	684116	NVK	EET BUF	09/19/23 12:43

Client Sample ID: BCC Area E RFI-33

Lab Sample ID: 480-212800-2

Date Collected: 09/15/23 12:00

Matrix: Ground Water

Date Received: 09/15/23 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	683984	ZN	EET BUF	09/19/23 14:55
Total/NA	Prep	3510C			683931	LSC	EET BUF	09/18/23 14:50
Total/NA	Analysis	8270D		1	684024	JMM	EET BUF	09/20/23 01:09
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684200	LMH	EET BUF	09/19/23 18:39
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684583	LMH	EET BUF	09/21/23 22:02
Total/NA	Prep	7470A			683989	NVK	EET BUF	09/19/23 09:56
Total/NA	Analysis	7470A		1	684116	NVK	EET BUF	09/19/23 12:44

Client Sample ID: BCC Area E RFI-32A

Lab Sample ID: 480-212800-3

Date Collected: 09/15/23 10:30

Matrix: Ground Water

Date Received: 09/15/23 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4000	684099	AXK	EET BUF	09/20/23 01:42
Total/NA	Prep	3510C			683931	LSC	EET BUF	09/18/23 14:50
Total/NA	Analysis	8270D		20	684024	JMM	EET BUF	09/19/23 18:28
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684200	LMH	EET BUF	09/19/23 18:42
Total/NA	Prep	3005A			683951	MP	EET BUF	09/19/23 08:28
Total/NA	Analysis	6010C		1	684583	LMH	EET BUF	09/21/23 22:06
Total/NA	Prep	7470A			683989	NVK	EET BUF	09/19/23 09:56
Total/NA	Analysis	7470A		1	684116	NVK	EET BUF	09/19/23 12:45

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-212800-4

Date Collected: 09/15/23 00:00

Matrix: Water

Date Received: 09/15/23 14:05

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	8260C		1	683918	ZN	EET BUF	09/19/23 05:49

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

- 1
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Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: Buffalo Color Area E Wells

Job ID: 480-212800-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212800-1	BCC Area E RFI-32A D	Ground Water	09/15/23 10:40	09/15/23 14:05
480-212800-2	BCC Area E RFI-33	Ground Water	09/15/23 12:00	09/15/23 14:05
480-212800-3	BCC Area E RFI-32A	Ground Water	09/15/23 10:30	09/15/23 14:05
480-212800-4	TRIP BLANK	Water	09/15/23 00:00	09/15/23 14:05

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Chain of Custody Record

Area E
 3rd QTR
 03

Client Information		Lab PM: Schove, John R		Carrier Tracking No(s): OSC		COC No: 480-187009-6267.1	
Client Contact: Kirsten Colligan		E-Mail: John.Schove@et.eurofins.com		State of Origin: NY		Page: Page 1 of 1	
Company: Ontario Specialty Contracting, Inc.		PWSID:		Analysis Requested		Job #: 16011	
Address: 140 Lee St.		Due Date Requested: 2 weeks		Field Filtered Sample (Yes or No)		Preservation Codes:	
City: Buffalo		TAT Requested (days): 2 weeks		Perform MS/MSD (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)	
Phone: 716-856-3333		Compliance Project: Δ Yes Δ No		8010B, 7470A		Total Number of Containers	
PO #: 66242 66251		Project #:		820B - TCL VOCs		Special Instructions/Note:	
WO #:		48003159		8270C - TCL SVOCs + aniline			
Email: kcolligan@oscinc.com		Event Desc: Buffalo Color Area		D A N			
Project Name: OSC- Former Buffalo Color Sites/		Site: New York					
SSOW#:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT= tissue, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Special Instructions/Note:
BCC Area E M4L505				Water			
BCC Area E RFI-29				Water			
BCC Area E RFI-32A		10:30	G	Water			
BCC Area E RFI-33		11:00	G	Water			
BCC Area E D RFI-32A		10:40	G	Water			
BCC Area E MS RFI-32A		10:50	G	Water			
BCC Area E MSD RFI-32A		11:00	G	Water			
TRIP BLANK		NA		Water			



480-212800 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____

Custody Seals Intact: Yes No
 Custody Seal No.: 233 2982

Received by: _____ Date/Time: 9-15-23 14:05 Company: OSC
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: 9-15-23 14:05 Company: TBS
 Cooler Temperature and Other Remarks: S.D. TCC



Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-212800-1

Login Number: 212800

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OSC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Appendix B – Sample Collection Logs



4th QTR 2022

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 12-5-2022

BUFFALO RIVER STADIA ROD READING: 1.5

AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)	
22.1	A ICM-101	12.82			Annual
38.4	A RFI-26	15.24			
32.5	A *W6-R-R	16.44			
16.2	B RFI-18	8.15			Annual
19.9	B RFI-27	5.57			
17.8	B RFI-30	8.71			
17	B RFI-28	7.42			
8.5	B *PS-09	4.73			
43.2	B *RFI-19D	14.53			
	C MW-C01				
16.2	C MW-C04	5.32			qtrly
	C PS-04A				
10.0	C PS-05A	5.23			
	C PS-06				
48.2	C RFI-20	5.97			
15.3	C RFI-31	6.91			
	E **ICM-PZ-02S				
	E **ICM-PZ-03S				
	E **MW-E08				
	E **MW-E09				
	E **MW-E10				
	E **RFI-PZ-17				
	E MW-E06				qtrly
	E RFI-51				
	E R-10				
	E R-11				
	E MW-E04A				
	E MW-E03				
18.6	E MW-E05	4.98			
	E MW-E07				
	E RFI-17				
15.2	E RFI-29	5.32			
15.3	E RFI-32A	4.31			
9.7	E RFI-33	3.23			
	E RFI-PZ-16				

* Monitoring wells depth to water measurement collected quarterly only without analytical collection
 ** NAPL wells depth to water measurement collected quarterly and analytical collected annually

4th QTR 2022

4th QTR "E" JJ

IPWSID: **16011**

Job #: **16011**

Analysis Requested

Due Date Requested:

TAT Requested (days): **2 weeks**

Compliance Project: Yes No

PO #: **766-856-3333**

WO #: **65229**

Email: **kcolligan@oscinc.com**

Project Name: **OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Area**

Site: **New York**

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/ oil, BT=titus, A=air)	Preservation Code:	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers	Special Instructions/Note:
						D	A	D	A		
BCC Area E MW-E05	12-6-22	14:35	G	Water							
BCC Area E RFI-29		16:10	G	Water							
BCC Area E RFI-32A		12:30	G	Water							
BCC Area E RFI-33		10:15	G	Water							
BCC Area E RFI-33 D		10:25	G	Water							
BCC Area E RFI-33 MS		10:35	G	Water							
BCC Area E RFI-33 MSD		10:45	G	Water							
TRIP BLANK		N/A		Water							

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____ Date: _____ Time: _____

Relinquished by: *Jeff W. King* Date: **12.6.2022** Time: **17:25** Company: **OSC**

Relinquished by: _____ Date: _____ Time: _____ Company: _____

Relinquished by: _____ Date: _____ Time: _____ Company: _____

Custody Seals Intact: Yes No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Received by: _____ Date/Time: **17:30** Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Method of Shipment:

4th QTR (E) JJ

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 SAMPLE ID: 4TH QTR '22'
 ONTARIO SPECIALTY CONTRACTING, INC
 WELL ID: MW-EOS
 SAMPLE EVENT: Area E
 SAMPLE DATE: 12/6/2022
 TIME: START 13:32 END 15:00
 JOB NUMBER: 16011
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.98 FT
 WELL DEPTH: 15.6 FT
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES NO

3 purge volumes = 5.40 gallons
 $10.62 \text{ water column} \times \frac{0.17}{\text{conversion}} = 1.80 \text{ 1 purge volume}$
 $5.40 \text{ gallons} \times \frac{0.26 \text{ gal/min}}{\text{flow rate}} = 20.76 \text{ minutes to pump}$

TIME OF SAMPLE COLLECTION: 14:35

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE		pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
					(ms/cm)	(units)					
13:50		4.98		16.35	1.19	6.23	15.13	0.2	172		
14:00		5.18		11.16	1.19	6.25	14.58	0.0	178		
14:10		5.07		11.14	1.19	6.74	14.41	0.0	178		
14:15		5.02		10.68	1.20	6.74	13.54	0.0	176		
14:20		5.06		10.77	1.19	6.73	12.01	6.0	175		
14:25		5.06		10.75	1.19	6.73	4.34	0.0	175		
14:30		5.08		10.78	1.18	6.73	4.28	0.0	175		
14:35		5.06		10.72	1.19	6.73	3.97	0.0	175		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP PERISTALTIC PUMP
 WAILER
 SIMCO BLADDER

TYPE OF TUBING: HIGH DENSITY POLYETHYLENE
 SILICONE
 OTHER

TYPE OF WATER QUALITY METER: HORIBA U-50 W/ FLOW CELL
 YSI 556 MPS W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE: SOLINST WATER METER
 GEOTECH INTERFACE METER
 OTHER

ANALYTICAL PARAMETERS

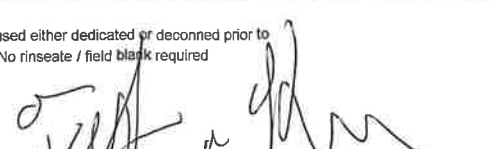
To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
	SVOC	CLP	4 DEG. C	SVOC
MS	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
MSD	SVOC	CLP	4 DEG. C	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: 

COMMENTS

4th QTR 22nd E

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: RFL-33
 TIME: START 9:00 END 10:50

SAMPLE ID: 4TH QTR '22'
 SAMPLE EVENT: Area E
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC.
 SAMPLE DATE: 12/6/2022
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors:
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

STATIC DEPTH TO WATER: 3.23 FT
 WELL DEPTH: 9.7 FT
 WELL DIAMETER: 2.0 IN

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO

3 purge volumes = 3.27 gallons
 $6.47 \times \frac{0.17}{1.09} = 1.09$
 $3.27 \times \frac{0.26 \text{ gal/min}}{\text{flow rate}} = 12.57$ minutes to pump

TIME OF SAMPLE COLLECTION: 10:15

TIME	VOL. (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:45		4.96		12.05	1.03	7.44	7.24	6.5	277	
10:00		5.23		12.00	1.03	7.45	10.46	8.3	215	
10:15		6.13		11.99	1.04	7.45	8.93	5.7	213	
										D-10:25
										MS-10:35
										MSD-10:45

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

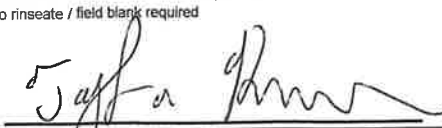
ANALYTICAL PARAMETERS
To Be Collected

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS
MS	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS
MSD	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNATURE: 

COMMENTS

4th QTR 22 (E)

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation SAMPLE ID: 4TH QTR '22' ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RFI 30A SAMPLE EVENT: Area E SAMPLE DATE: 12/6/2022

TIME: START 11:00 END 12:45 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors:
 1" = 0.04 gal/foot water 4" = 0.66 gal/foot water
 2" = 0.17 gal/foot water 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.31 FT
 WELL DEPTH: 15.3 FT
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO

3 purge volumes = 5.58 gallons
 5.58 gallons x 0.26 gal/min = 21.46 minutes to pump

TIME OF SAMPLE COLLECTION: 12:30

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
11:00		4.31		12.78	2.28	6.92	2.94	32.2	-17	
11:10		5.64		12.80	2.28	6.92	2.87	31.3	-16	
11:15		6.84		12.82	2.28	6.92	2.83	29.6	-16	
11:30		8.93		12.74	2.28	6.92	2.57	26.9	-17	
11:45		10.42		12.74	2.28	6.90	2.39	23.0	-20	
11:55		10.56		12.86	2.29	6.87	2.87	19.5	-22	
12:05		10.86		12.99	2.29	6.81	2.97	2.3	-29	
12:15		10.92		12.99	2.29	6.81	2.92	6.8	-30	
12:30		11.13		12.97	2.28	6.92	2.83	6.8	-30	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS

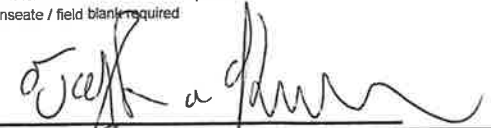
To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE STANDARD	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS
MS	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS
MSD	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blanks required.

SIGNATURE: 

COMMENTS

4TH QTR (E) 22

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: RFI-29
 TIME: START 15:15 END 16:20
 SAMPLE ID: 4TH QTR '22'
 SAMPLE EVENT: Area E
 JOB NUMBER: 16011
 ONTARIO SPECIALTY CONTRACTING, INC
 SAMPLE DATE: 12/6/2022
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors:
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

STATIC DEPTH TO WATER: 5.32 FT
 WELL DEPTH: 15.2 FT
 WELL DIAMETER: 2.0 IN

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO

3 purge volumes = 5.01 gallons
 $5.01 \text{ gallons} \times 0.26 \text{ gal/min} = 19.26 \text{ minutes to pump}$

TIME OF SAMPLE COLLECTION: 16:10

PURGE DATA

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
15:35		6.09		11.90	1.91	7.54	13.73	37.0	756	
15:30		6.13		12.01	1.91	7.56	13.08	32.0	-170	
15:35		6.17		12.11	1.92	7.58	13.31	27.9	-184	
15:40		6.15		12.21	1.93	7.59	12.54	11.6	-189	
15:45		6.19		12.16	1.94	7.60	12.50	11.2	-202	
15:50		6.15		12.27	1.94	7.60	3.86	9.1	-213	
15:55		6.17		12.23	1.94	7.60	4.17	8.1	-214	
16:00		6.15		12.27	1.94	7.60	2.63	8.0	-216	
16:05		6.19		12.26	1.94	7.60	1.56	8.0	-217	
16:10		6.20		12.27	1.94	7.60	1.93	6.0	-218	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	CLP	4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
MS	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
MSD	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNATURE: *Taylor Kunzelman*

COMMENTS

15+
QTR
2023

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 3.28.2023

BUFFALO RIVER STADIA ROD READING: 3.5

AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)	
32.1	A ICM-101	12.97			Annual
38.4	A RFI-26	15.82			
32.5	A *W6-R-R	16.92			
16.2	B RFI-18	8.09			Annual
14.4	B RFI-27	6.17			
17.8	B RFI-30	8.74			
17	B RFI-28	7.54			
8.5	B *PS-09	4.76			
43.2	B *RFI-19D	15.01			
	C MW-C01				qtrly
16.2	C MW-C04	5.27			
	C PS-04A				
10.0	C PS-05A	5.27			
	C PS-06				
15.2	C RFI-20	10.09			
15.3	C RFI-31	7.53			qtrly
	E **ICM-PZ-02S				
	E **ICM-PZ-03S				
	E **MW-E08				
	E **MW-E09				
	E **MW-E10				
	E **RFI-PZ-17				
	E MW-E06				
	E RFI-51				
	E R-10				
	E R-11				
	E MW-E04A				
	E MW-E03				
15.6	E MW-E05	4.98			
	E MW-E07				
	E RFI-17				
15.2	E RFI-29	5.59			
15.3	E RFI-32 A	5.75			
9.7	E RFI-33	4.23			
	E RFI-PZ-16				

* Monitoring wells depth to water measurement collected quarterly only without analytical collection
 ** NAPL wells depth to water measurement collected quarterly and analytical collected annually

Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

1st QTR E 2023
eurofins
Environment Testing

Client Information		Sample #	Taylor Kunzelmun		Lab PM:	Schove, John R		Carrier Tracking No(s):	16011		COC No:	480-180604-6267.1		
Client Contact:		Phone:			Email:	John.Schove@el.eurofins.com		State of Origin:	NY		Page:	Page 1 of 1		
Company:		Ontario Specialty Contracting, Inc.		PWSID:										
Address:		140 Lee St.		Due Date Requested:	2 weeks		Analysis Requested							
City:		Buffalo		TAT Requested (days):	Standard									
State Zip:		NY, 14210		Compliance Project:	Δ Yes Δ No									
Phone:		716-856-3333		PO #:	66229 5231									
Email:		kcolligan@osccinc.com		WO #:			Special Instructions/Note:							
Project Name:		OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area		Project #:	48003159									
Site:		New York		SSOW#:										
New York														
Sample Identification			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 7470A		8260B - TCL VOCs		8270C - TCL SVOCs + aniline	
BCC Area E MW-E05			2-2-23	9:05	G	Water			D	A	N			
BCC Area E RFI-29				11:00	G	Water			1	3	2			
BCC Area E RFI-32A				13:30	G	Water			1	3	2			
BCC Area E RFI-33				12:00	G	Water			1	3	2			
BCC Area E MW E05 D				9:20	G	Water			1	3	2			
BCC Area E MW E05 MS				9:10	G	Water			1	3	2			
BCC Area E MW E05 MSD				9:15	G	Water			1	3	2			
TRIP BLANK				N/A		Water								
Possible Hazard Identification														
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological														
Deliverable Requested: I, II, III, IV, Other (Specify)														
Empty Kit Relinquished by: _____ Date: 1/31/00														
Relinquished by: Jeff R. King Date/Time: 2-2-23 Company: OSC														
Relinquished by: _____ Date/Time: _____ Company: _____														
Relinquished by: _____ Date/Time: _____ Company: _____														
Custody Seals Intact: _____ Custody Seal No.: _____														
Δ Yes Δ No														
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months														
Special Instructions/QC Requirements:														
Received by: _____ Date/Time: 2/2/23 1600 Company: _____														
Received by: _____ Date/Time: _____ Company: _____														
Cooler Temperature(s) °C and Other Remarks:														

1st QTR 23
E



FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation SAMPLE ID: 1st QTR '23' ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: MW-E05 SAMPLE EVENT: ARON E SAMPLE DATE: 2-2-23

TIME: START 8:00 END 9:20 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors:
 1" = 0.04 gal/foot water 4" = 0.66 gal/foot water
 2" = 0.17 gal/foot water 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.98 FT
 WELL DEPTH: 15.6 FT
 WELL DIAMETER: 2.0 IN

10.62 water column x 0.17 conversion = 1.80 1 purge volume
 3 purge volumes = 5.40 gallons

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): NO FT
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO 5.40 gallons x 0.26 gal/min = 20.76 minutes to pump

TIME OF SAMPLE COLLECTION: 9:05

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	SPECIFIC					COMMENTS
					CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	
8:15		5.01		7.27	1.08	6.97	14.60	16.8	200	
8:25		5.13		7.17	1.03	6.93	13.37	16.0	201	
8:35		5.14		7.03	1.03	6.86	12.59	10.9	200	
8:45		5.16		6.66	1.08	6.35	12.42	9.3	198	
8:50		5.15		6.88	1.08	6.93	11.60	6.8	196	
9:00		5.16		6.73	1.08	6.97	2.63	4.0	193	
9:05		5.16		6.73	1.08	6.91	2.74	4.0	192	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: WAILER, SIMCO BLADDER, GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING: SILICONE, HIGH DENSITY POLYETHYLENE, OTHER

TYPE OF WATER QUALITY METER: YSI 556 MPS W/ FLOW CELL, HORIBA U-50 W/ FLOW CELL, OTHER

TYPE OF WATER LEVEL DEVICE: GEOTECH INTERFACE METER, SOLINST WATER METER, OTHER

ANALYTICAL PARAMETERS

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	VOC 8260B	HCL / 4 DEG C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/>	SVOC CLP	4 DEG C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
	SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
	SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
	SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required.

SIGNATURE: *Jeff n K...*

COMMENTS

MS - 9:10
 MSD - 9:15
 DUP - 9:20

1st QTR 23
E



FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: RFI-29
 TIME: START 10:00 END 11:15
 SAMPLE ID: 1st QTR '23
 SAMPLE EVENT: AREA E
 JOB NUMBER: 16011
 ONTARIO SPECIALTY CONTRACTING, INC
 SAMPLE DATE: 2-2-23
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 5.30 FT
 WELL DEPTH: 15.0 FT
 WELL DIAMETER: 2.0 IN

Well Conversion Factors
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water
 $9.88 \times \frac{0.17}{1} = 1.67$
 water column x conversion = 1 purge volume
 3 purge volumes = 5.01 gallons

NAPL REMOVAL METHOD
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK
 DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES NO
 $5.01 \text{ gallons} \times \frac{0.26 \text{ gal/min}}{1} = 19.26 \text{ minutes to pump}$
 TIME OF SAMPLE COLLECTION: 11:00

PURGE DATA

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/min)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
10:15	5.59	5.59		6.12	1.78	7.37	6.93	1.4	-146	
10:25	5.78	5.78		6.84	1.80	7.62	7.34	0.4	-135	
10:35	5.81	5.81		6.84	1.80	7.66	6.47	0.0	-174	
10:45	5.82	5.82		6.74	1.80	7.68	6.36	0.0	-185	
10:50	5.82	5.82		6.79	1.80	7.69	4.83	0.0	-187	
10:55	5.79	5.79		6.84	1.78	7.20	4.79	0.2	-190	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 WAILER
 SINCO BLADDER
 GEOPUMP PERISTALTIC PUMP
TYPE OF TUBING
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER
TYPE OF WATER QUALITY METER
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER
TYPE OF WATER LEVEL DEVICE
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG C	X 40 mL	VOC
	SVOC	CLP	4 DEG C	X 1 LAG	SVOC
MS	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
MSD	SVOC	CLP	4 DEG C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG C	X 40 mL	VOC
	SVOC	CLP	4 DEG C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED

NOTES

All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: *Jeff A. Kunzelman*

COMMENTS

1st QTR 23
E

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: RFI-33
 TIME: START 11:20 END 12:47

SAMPLE ID: 1st QTR '23
 SAMPLE EVENT: AREA E
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC
 SAMPLE DATE: 2-2-23
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 3.23 FT
 WELL DEPTH: 9.7 FT
 WELL DIAMETER: 2.0 IN

Well Conversion Factors
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 3" = 0.26 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

6.47 water column x 0.17 conversion = 1.09 1 purge volume
 3 purge volumes = 3.27 gallons

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO
 TIME OF SAMPLE COLLECTION: 12:00
 3.27 gallons x 0.26 gal/min flow rate = 12.57 minutes to pump

PURGE DATA			SPECIFIC							
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
11:35		4.23		6.93	0.660	7.56	12.63	6.5	73	
11:40		4.82		6.78	0.682	7.53	10.04	6.3	66	
11:43		5.06		6.99	0.681	7.51	9.98	1.7	65	
11:50		5.34		7.01	0.679	7.51	9.52	1.4	64	
11:55		5.87		7.17	0.679	7.49	9.87	0.0	65	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 558 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

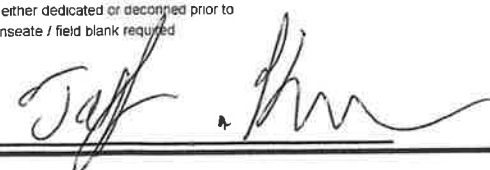
ANALYTICAL PARAMETERS
To Be Collected

	STANDARD	DPLICATE	MS	MSD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
	<input checked="" type="checkbox"/>				VOC 8260B	HCL / 4 DEG C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>				SVOC CLP	4 DEG C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>				TAL INORGANICS CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
					VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
					SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
					VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
					SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
					VOC 8260B	HCL / 4 DEG C	X 40 mL	<input type="checkbox"/> VOC
					SVOC CLP	4 DEG C	X 1 LAG	<input type="checkbox"/> SVOC
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
					TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

SIGNATURE: 

1st QTR 23
E

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation SAMPLE ID: 1st QTR '23 ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RPI 32A SAMPLE EVENT: Area E SAMPLE DATE: 2-2-23

TIME: START 12:50 END 13:40 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors
 1" = 0.04 gal/foot water 4" = 0.66 gal/foot water
 2" = 0.17 gal/foot water 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.31 PF

WELL DEPTH: 15.3 FT

WELL DIAMETER: 2.0 IN

10.99 water column x $\frac{0.17}{\text{conversion}}$ = 1.86 1 purge volume

3 purge volumes = 5.58 gallons

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES NO 5.58 gallons x $\frac{0.26 \text{ gal/min}}{\text{flow rate}}$ = 21.46 minutes to pump

TIME OF SAMPLE COLLECTION: 13:30

NAPL REMOVAL METHOD
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND) ND FT

NAPL VOL REMOVED GAL

PURGE DATA		SPECIFIC									
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (CRP)	COMMENTS	
12:50		5.75		2.13	2.97	6.77	6.41	21.6	-25		
13:00		6.15		6.70	2.98	6.73	6.26	11.9	-27		
13:05		6.21		6.53	2.99	6.76	5.96	10.8	-29		
13:10		6.55		6.47	3.01	6.75	5.73	9.6	-31		
13:15		6.88		7.28	3.03	6.75	6.70	8.8	-34		
13:20		6.94		7.37	3.03	6.15	5.91	8.7	-36		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: WAILER SIMCO BLADDER GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING: SILICONE HIGH DENSITY POLYETHYLENE OTHER

TYPE OF WATER QUALITY METER: YSI 556 MPS W/ FLOW CELL HORIBA U-50 W/ FLOW CELL OTHER

TYPE OF WATER LEVEL DEVICE: GEOTECH INTERFACE METER SOLINST WATER METER OTHER

ANALYTICAL PARAMETERS
To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

SIGNATURE: Taylor Kunzelman

COMMENTS

Chain of Custody Record



157 QTR @ 2023
1 QTR @ 2023

Client Information		Lab PM: Schove, John R	Carrier Tracking No(s): OSC	COC No: 480-180603-6265.1								
Client Contact: Kirsten Colligan		E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page 1 of 1								
Company: Ontario Specialty Contracting, Inc.		Address: 140 Lee St.	City: Buffalo	State: NY								
City: Buffalo		State, Zip: NY, 14210	Phone: 716-856-3333	Job #: 16011								
Email: kcolligan@oscinc.com		Project #: 48003159	Project Desc: Buffalo Color Area	Analysis Requested								
Site: New York		SSOW#:	Compliance Project: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Preservation Codes:								
Due Date Requested: 2 WKS		TAT Requested (days): Standard	PO #: 65237	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=organic, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 7470A	8260B - TCL VOCs	8270C - TCL SVOCs + aniline	Total Number of Containers	Special Instructions/Note:
BCC Area C RFI-31A			10:50	G	Water							
BCC Area C MW-C04			9:50	G	Water							
BCC Area C RFI-20A			10:30	G	Water							
BCC Area C PS-05A			11:30	G	Water							
BCC Area C MW-C04D			9:00	G	Water							
BCC Area C MW-C04MS			9:00	G	Water							
BCC Area C MW-C04MSD			9:10	G	Water							
TRIP BLANK					Water							
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)												
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months												
Special Instructions/QC Requirements:												
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____												
Relinquished by: _____ Date/Time: 3-29-23 14:25 Company: OSC												
Relinquished by: _____ Date/Time: _____ Company: _____												
Relinquished by: _____ Date/Time: _____ Company: _____												
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: 2064834 Cooler Temperature (°C) Last-Other Remarks:												

2nd QTR 2023

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 6.26.2023

BUFFALO RIVER STADIA ROD READING: 2.7

AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)	
22.1	A ICM-101	12.97			Annual
39.4	A RFI-26	15.86			
32.5	A *W6-R-R	16.92			
16.2	B RFI-18	8.09			
19.9	B RFI-27	6.17			Annual
17.8	B RFI-30	8.74			
17	B RFI-28	7.54			
9.5	B *PS-09	4.76			
63.2	B *RFI-19D	15.01			
	C MW-C01				
18.2	C MW-C04	5.32			
	C PS-04A				
10.0	C PS-05A	5.23			Quarterly
	C PS-06				
15.2	C RFI-20	7.63			
15.3	C RFI-31	6.91			
	E **ICM PZ-02S				
	E **ICM PZ-03S				
	E **MW-E08				Quarterly
	E **MW-E09				
	E **MW-E10				
	E **RFI PZ-17				
	E MW-E06				
	E RFI-51				
	E R-10				
	E R-11				
	E MW-E04A				
	E MW-E03				
	E MW-E05	8.12			
	E MW-E07				
	E RFI-17				
15.2	E RFI-29	6.81			
15.3	E RFI-32A	5.45			
9.7	E RFI-33	4.23			
	E RFI-PZ-16				

* Monitoring wells depth to water measurement collected quarterly only without analytical collection
 ** NAPL wells depth to water measurement collected quarterly and analytical collected annually

Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

2nd QTR
eurofins
A2222
2-3

Client Information		Sample ID: JAYLOR Kuzelmann	Lab PM: Schnove, John R	Carrier/Tracking Not(s): OSC	COC No: 480-184356-6267-1
Client Contact: Kristen Colligan		Phone: 716-480-3282	E-Mail: John.Schnove@eurofins.com	State of Origin: NY	Page: 1 of 1
Company: Ontario Specialty Contracting, Inc.		PWSID: _____		Job #: 16011	
Address: 140 Lee St		Due Date Requested: _____		Analysis Requested: _____	
City: Buffalo		TAT Requested (days): 2 weeks		Preservation Codes: A-HCL, B-NAOH, C-Zn Acetate, D-Nitric Acid, E-NaHSO4, F-MeOH, G-Arnohlor, H-Acetic Acid, I-Ice Water, J-DI Water, K-EDTA, L-EDA, M-Hexane, N-None, O-AsnA02, P-Na2O4S, Q-Na2SO3, R-Na2S2O3, S-H2SO4, T-TSP Dodecylhydrate, U-Acetone, V-MOXA, W-pH 4.5, X-Trizma, Y-EDTA, Z-other (specify)	
State/Zip: NY, 14210		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Total Number of containers: _____	
Phone: 716-856-3333		PO #: 65242		Special Instructions/Note: _____	
Email: kcolligan@oscinc.com		WO #: _____		Special Instructions/Note: _____	
Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area		Project #: 48003159		Special Instructions/Note: _____	
Site: New York		SSOW#: _____		Special Instructions/Note: _____	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Orchestral)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Special Instructions/Note
BCC Area E MW-E05									
BCC Area E RFI-29									
BCC Area E RFI-32A									
BCC Area E RFI-33									
BCC Area E RFI 33 D									
BCC Area E RFI 33 MS									
BCC Area E RFI 33 MSD									
TRIP BLANK									

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) _____

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: **Taylor Kuzelmann** Date/Time: **6-29-23 14:00** Company: **OSC**

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seal Intact: Yes No Custody Seal No.: **2117937**

Cooler Temperature(s) °C and Other Remarks: _____

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 SAMPLE ID: 2nd QTR '23'
 ONTARIO SPECIALTY CONTRACTING, INC.
 WELL ID: RFI-32A
 SAMPLE EVENT: AREN E 2nd QTR
 SAMPLE DATE: 6-29-23
 TIME: START 9:15 END 10:10
 JOB NUMBER: 16011
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 5.23 FT
 WELL DEPTH: 15.3 FT
 WELL DIAMETER: 2.0 IN

Well Conversion Factors

1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

10.07 water column x 0.17 conversion = 1.71 1 purge volume
 3 purge volumes = 5.13 gallons

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO
 TIME OF SAMPLE COLLECTION: 10:00
 5.13 gallons x 0.26 gal/min flow rate = 19.73 minutes to pump

PURGE DATA			SPECIFIC							
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:15	5.45	5.45		19.81	2.73	6.65	20.88	13.4	-77	
9:20	5.96	5.96		18.87	2.74	6.63	17.60	12.2	-78	
9:25	6.67	6.67		18.32	2.75	6.61	13.71	11.2	-80	
9:30	7.03	7.03		17.90	2.65	6.60	12.33	11.2	-75	
9:35	7.31	7.31		17.70	2.52	6.60	12.09	11.0	-68	
9:40	7.64	7.64		17.30	2.43	6.60	11.64	11.5	-60	
9:45	7.96	7.96		17.22	2.36	6.60	10.84	11.3	-55	
9:50	8.12	8.12		17.24	2.30	6.60	10.84	11.2	-55	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS
 To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	CLP	4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
X	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: _____

COMMENTS

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: NW-505
 TIME: START 10:20 END 11:10

SAMPLE ID: 2nd QTR '23
 SAMPLE EVENT: Area E 2nd QTR
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC
 SAMPLE DATE: 6-29-23
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 8.12 (8.00) FT
 WELL DEPTH: 15.6 FT
 WELL DIAMETER: 2.0 IN

Well Conversion Factors

1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 3 purge volumes = 3.81 gallons

4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water
 1.27 = 1 purge volume

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO
 TIME OF SAMPLE COLLECTION: 11:05
 3.81 gallons x 0.26 gal/min = 14.65 minutes to pump

PURGE DATA			SPECIFIC							COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	
10:25	8.12	8.12		17.94	0.944	6.90	11.42	13.9	168	
10:30	8.31	8.31		15.72	0.967	6.65	6.09	0.1	172	
10:40	8.51	8.51		16.65	0.984	6.79	5.34	0.0	176	
10:45	8.67	8.67		14.95	0.986	6.76	4.87	0.0	178	
10:50	8.81	8.81		14.59	0.986	6.74	4.44	0.0	179	
10:55	9.09	9.09		14.46	0.985	6.73	4.57	0.0	179	
11:00	9.07	9.07		14.39	0.985	6.71	5.01	0.0	180	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS
 To Be Collected

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
	SVOC	CLP	4 DEG. C	SVOC
MS	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
MSD	SVOC	CLP	4 DEG. C	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or deconned prior to arrival on site. No rinse / field blank required

SIGNATURE: _____

COMMENTS

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation SAMPLE ID: 2nd QTR '23 ONTARIO SPECIALTY CONTRACTING, INC
 WELL ID: RFI-29 SAMPLE EVENT: Area E 2nd QTR SAMPLE DATE: 6.29.23
 TIME: START 11:25 END 12:10 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors
 1" = 0.04 gal/foot water 4" = 0.66 gal/foot water
 2" = 0.17 gal/foot water 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.88 FT
 WELL DEPTH: 15.2 FT
 WELL DIAMETER: 2.0 IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES NO

TIME OF SAMPLE COLLECTION: 12:00

Water column: 8.39 x conversion 0.17 = 1.42 1 purge volume
 3 purge volumes = 4.26 gallons
 gallons x flow rate 0.26 gal/min = 16.38 minutes to pump

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: GAL

PURGE DATA		SPECIFIC									
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS	
11:25		6.81		16.86	1.45	7.27	8.42	0.0	158		
11:30		6.96		16.23	1.46	7.29	6.56	0.0	161		
11:35		7.05		15.99	1.41	7.37	3.95	0.0	156		
11:40		7.18		15.83	1.33	7.42	3.15	0.0	170		
11:45		7.20		15.67	1.24	7.57	2.70	0.0	174		
11:50		7.25		15.65	1.21	7.61	2.84	0.0	177		
11:55		7.23		15.64	1.21	7.61	2.81	0.0	177		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: WAILER, SIMCO BLADDER, GEOPUMP PERISTALTIC PUMP
 TYPE OF TUBING: SILICONE, HIGH DENSITY POLYETHYLENE, OTHER
 TYPE OF WATER QUALITY METER: YSI 556 MPS W/ FLOW CELL, HORIBA U-50 W/ FLOW CELL, OTHER
 TYPE OF WATER LEVEL DEVICE: GEOTECH INTERFACE METER, SOLINST WATER METER, OTHER

ANALYTICAL PARAMETERS

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	VOC 8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/>	SVOC CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC 8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC 8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC 8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES
 All equipment used either dedicated or deconned prior to arrival on site. No rinse / field blank required

SIGNATURE: _____

COMMENTS

Eurofins Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

2nd Q11
 Alern 11
 2-3

euoifins

Client Information		Client Contact: Kirsten Colligan	Phone: 716-480-3242	Lab PM: Schowe, John R	Carrier Tracking No(s): OSC	COC No: 480-184355-6265 1
Company: Ontario Specialty Contracting, Inc.		Due Date Requested:		E-Mail: John.Schowe@et.eurofins.com	State of Origin: NY	Page 1 of 1
Address: 140 Lee St		TAT Requested (days): 2 weeks		Job #: 16011		
City: Buffalo		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Preservation Codes:		
State, Zip: NY 14210		PO # 65257		A - HCL		
Phone: 716-856-3333		W/O # 65248		B - NaOH		
Email: kcolligan@osccinc.com		Project # 48003159		C - Zn Acetate		
Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area		SSOW#		D - Nitric Acid		
Site: New York				E - NaHSO4		
				F - MeOH		
				G - Amchlor		
				H - Ascorbic Acid		
				I - Ice		
				J - DI Water		
				K - EDTA		
				L - EDA		
				M - Hexane		
				N - None		
				O - AsNaO2		
				P - Na2O4S		
				Q - Na2SO3		
				R - Na2S2O3		
				S - H2SO4		
				T - TSP Dodecahydrate		
				U - Acetone		
				V - MCAA		
				W - pH 4-5		
				Y - Trizma		
				Z - Other (specify)		
				Other:		
				Special Instructions/Note:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Composite, Aque)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers
BCC Area C RFI-31A	6-26-23	10:10		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C MMW-C04		7:40		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C RFI-20A		8:40		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C PS-05A		9:20		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C MWCD D		7:55		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C MWCD MS		7:45		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
BCC Area C MWCD MS		7:50		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
TRIP BLANK		7:40		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Jeff A. Thompson Date/Time: 6-26-23 14:00 Company: OSC

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: 2117938

Received by: _____ Date/Time: 6/26/23 14:00 Company: OSC

Received by: _____ Date/Time: _____ Company: _____

Method of Shipment: _____

Special Instructions/OC Requirements: _____

Disposal By Lab Return To Client Disposal By Lab Archive For _____ Months

Cooler Temperature(s) °C and Other Remarks: _____

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 9-8-23

BUFFALO RIVER STADIA ROD READING: 4.0

3RD QTR
23"

AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)	
22.1	A ICM-101	13.54			Annual
38.4	A RFI-26	14.57			
32.5	A *W6-R-R	16.23			
16.2	B RFI-18	8.34			Annual
19.9	B RFI-27	6.81			
17.8	B RFI-30	9.76			
17.0	B RFI-28	8.96			
8.5	B *PS-09	7.08			
43.2	B *RFI-19D	14.79			
	C MW-C01				
16.2	C MW-C04	6.11			qtrly
	C PS-04A				
10.0	C PS-05A	6.79			
	C PS-06				
15.2	C RFI-20	7.57			
15.3	C RFI-31	7.21			
	E **ICM-PZ-02S				qtrly
	E **ICM-PZ-03S				
	E **MW-E08				
	E **MW-E09				
	E **MW-E10				
	E **RFI-PZ-17				
	E MW-E06				
	E RFI-51				
	E R-10				
	E R-11				
	E MW-E04A				
	E MW-E03				
15.6	E MW-E05	4.98			
	E MW-E07				
	E RFI-17				
15.2	E RFI-29	5.43			
15.3	E RFI-32 *	5.32			
9.7	E RFI-33	4.21			
	E RFI-PZ-16				

* Monitoring wells depth to water measurement collected quarterly only without analytical collection
 ** NAPL wells depth to water measurement collected quarterly and analytical collected annually

716-490-5715



3rd QTR 23

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation
 WELL ID: RFI-33
 TIME: START 11:15 END 12:10
 SAMPLE ID: 3rd QTR '23'
 SAMPLE EVENT:
 JOB NUMBER: 16011
 ONTARIO SPECIALTY CONTRACTING, INC
 SAMPLE DATE: 9-15-23
 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors
 1" = 0.04 gal/foot water
 2" = 0.17 gal/foot water
 4" = 0.66 gal/foot water
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.21 FT
 WELL DEPTH: 9.3 FT
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD:
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL REMOVED: _____ GAL

3 purge volumes = 2.58 gallons
 2.58 gallons x 0.26 gal/min = 9.92 minutes to pump

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES NO

TIME OF SAMPLE COLLECTION: 12:00

PURGE DATA		DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
TIME	VOL (gal)									
11:30		4.95		21.44	0.849	7.21	10.23	0.0	09	
11:35		5.12		19.20	0.883	7.07	9.87	0.0	21	
11:40		5.23		19.41	0.886	7.04	9.63	0.0	15	
11:45		5.39		19.37	0.874	7.03	9.20	0.0	12	
11:50		6.01		19.36	0.861	7.00	8.80	0.0	12	
11:55		6.23		19.34	0.860	7.00	8.07	0.0	14	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP:
 WAILER
 SIMCO BLADDER
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:
 SILICONE
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF WATER QUALITY METER:
 YSI 556 MPS W/ FLOW CELL
 HORIBA U-50 W/ FLOW CELL
 OTHER

TYPE OF WATER LEVEL DEVICE:
 GEOTECH INTERFACE METER
 SOLINST WATER METER
 OTHER

ANALYTICAL PARAMETERS
 To Be Collected

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/> SVOC	CLP	4 DEG. C	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: _____

NOTES
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: _____

COMMENTS

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Buffalo Color Corporation SAMPLE ID: 3rd QTR '23 ONTARIO SPECIALTY CONTRACTING, INC
 WELL ID: REF-32A SAMPLE EVENT: _____ SAMPLE DATE: 9-15-23
 TIME: START 9:30 END 10:40 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

Well Conversion Factors
 1" = 0.04 gal/foot water 4" = 0.66 gal/foot water
 2" = 0.17 gal/foot water 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 5.32 FT
 WELL DEPTH: 15.3 FT
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD
 BAILER
 PERISTALTIC PUMP
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
 NAPL VOL. REMOVED: _____ GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES NO 5.07 gallons x 0.26 gal/min = 19.50 minutes to pump
 TIME OF SAMPLE COLLECTION: 10:30

PURGE DATA				SPECIFIC							COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)		
10:03	6.03	6.03		16.95	2.71	6.61	18.16	3.5	-132		
10:10	6.54	6.54		17.18	2.48	6.62	10.28	10.2	-120		
10:15	7.12	7.12		17.29	2.39	6.63	2.73	5.5	-113		
10:20	7.43	7.43		17.26	2.37	6.64	2.81	6.0	-109		
10:25	7.96	7.96		17.26	2.35	6.53	2.70	4.3	-109		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: WAILER SIMCO BLADDER GEOPUMP PERISTALTIC PUMP
 TYPE OF TUBING: SILICONE HIGH DENSITY POLYETHYLENE OTHER
 TYPE OF WATER QUALITY METER: YSI 556 MPS W/ FLOW CELL HORIBA U-50 W/ FLOW CELL OTHER
 TYPE OF WATER LEVEL DEVICE: GEOTECH INTERFACE METER SOLINST WATER METER OTHER

ANALYTICAL PARAMETERS
To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED: _____

NOTES
All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

SIGNATURE: _____

COMMENTS

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Appendix C – Imported Material



todd.waldrop@inventumeng.com

From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Wednesday, October 12, 2022 11:58 AM
To: todd.waldrop@inventumeng.com
Cc: john.black@inventumeng.com; 'John Yensan'; Melnyk, Eugene W (DEC)
Subject: RE: Buffalo Color Area E - Cover Restoration

Todd –

Thank you for providing the PFAS data. The topsoil is acceptable for use at Buffalo Color Area E. Please proceed with final cover restoration per Gene's recent emails.

Sincerely,

Megan Kuczka

she/her/hers

Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation

700 Delaware Avenue, Buffalo, NY 14209

P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov

www.dec.ny.gov |  |  | 



Department of
Environmental
Conservation

From: todd.waldrop@inventumeng.com <todd.waldrop@inventumeng.com>
Sent: Wednesday, October 12, 2022 10:37 AM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Cc: john.black@inventumeng.com; 'John Yensan' <jyensan@oscinc.com>; Melnyk, Eugene W (DEC) <eugene.melnyk@dec.ny.gov>
Subject: RE: Buffalo Color Area E - Cover Restoration

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Megan – attached is a summary table of the PFAS results and laboratory data report for the topsoil import request.

PFOA/PFOS were not detected above the June 2021 guidance values.

Todd Waldrop, P.E.

Partner

INVENTUM ENGINEERING

441 Carlisle Drive

Suite C


Herndon, Virginia 20170


todd.waldrop@inventumeng.com

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023



Appendix D – Photograph Log




<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2022-2023</p>	<p>Project: Buffalo Color Corporation Site Area E</p>
<p>Photo No. 1 Direction Photo Taken: Looking south</p>		
<p>Description: Re-graded and seeding corrective measures restoration area south of field house.</p>		

<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2022-2023</p>	<p>Project: Buffalo Color Corporation Site Area E</p>
<p>Photo No. 2 Direction Photo Taken: Looking east</p>		
<p>Description: Monitoring wells RFI- 29 (foreground) and MW-E05 (background).</p>		



<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2022-2023</p>	<p>Project: Buffalo Color Corporation Site Area E</p>
<p>Photo No. 3 Direction Photo Taken:</p>		
<p>Description:</p>		
<p>Client Name:</p>	<p>PRR Reporting Period – 2022-2023</p>	<p>Project: Buffalo Color Corporation Site Area E</p>
<p>Photo No. 4 Direction Photo Taken: Unknown</p>		
<p>Description: Photo provided by NYSDEC showing surface soil shrinking around perimeter of field house.</p>		



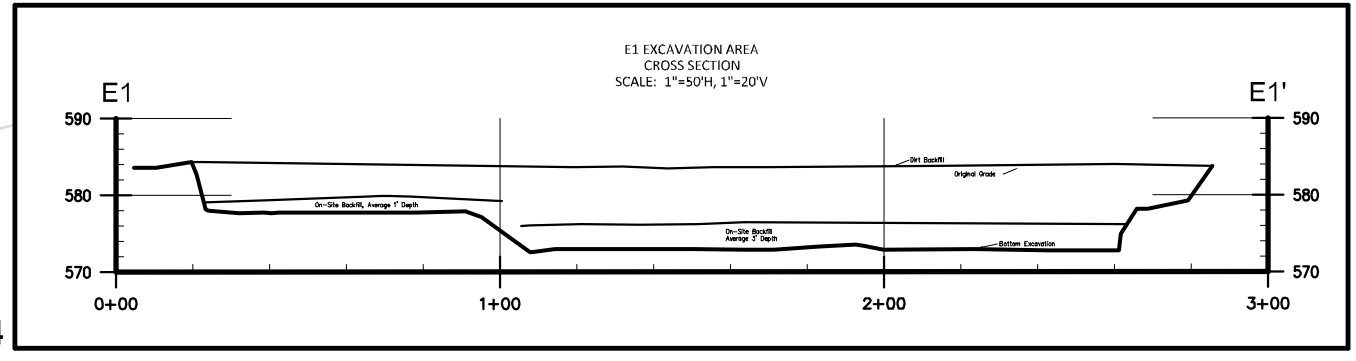
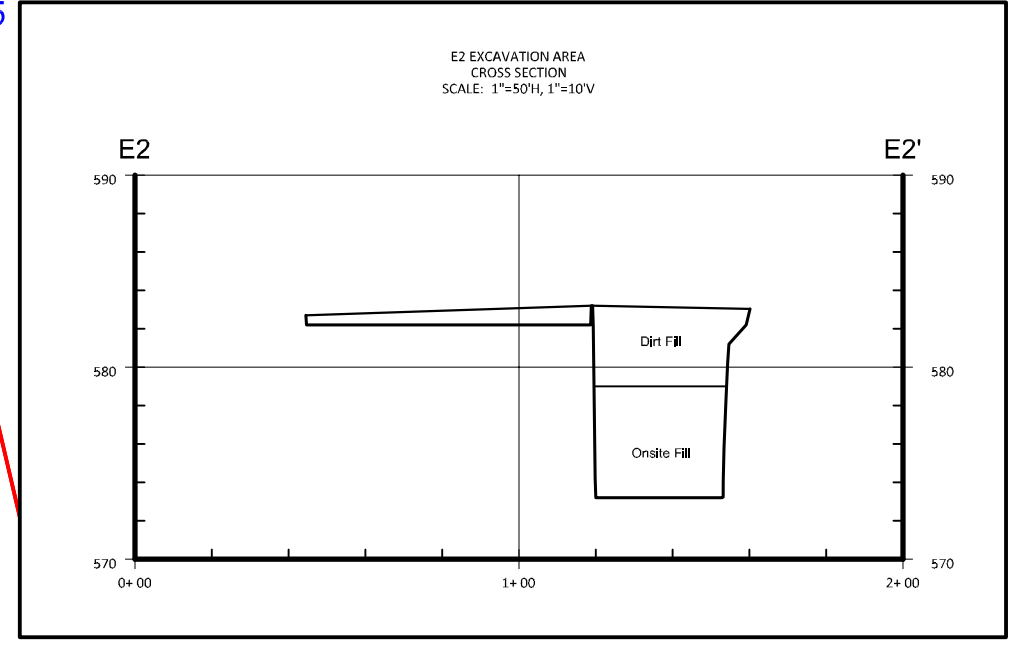
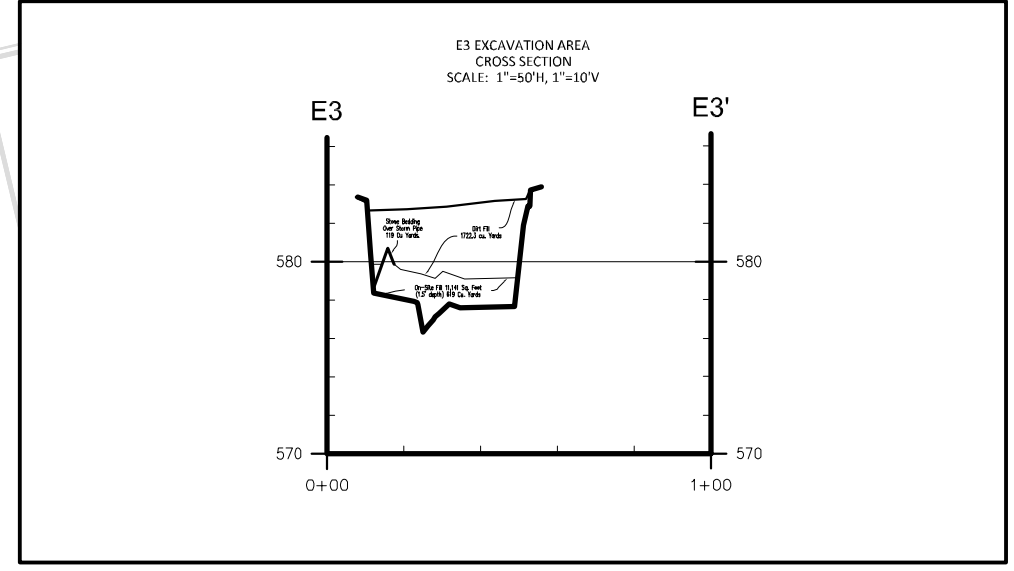
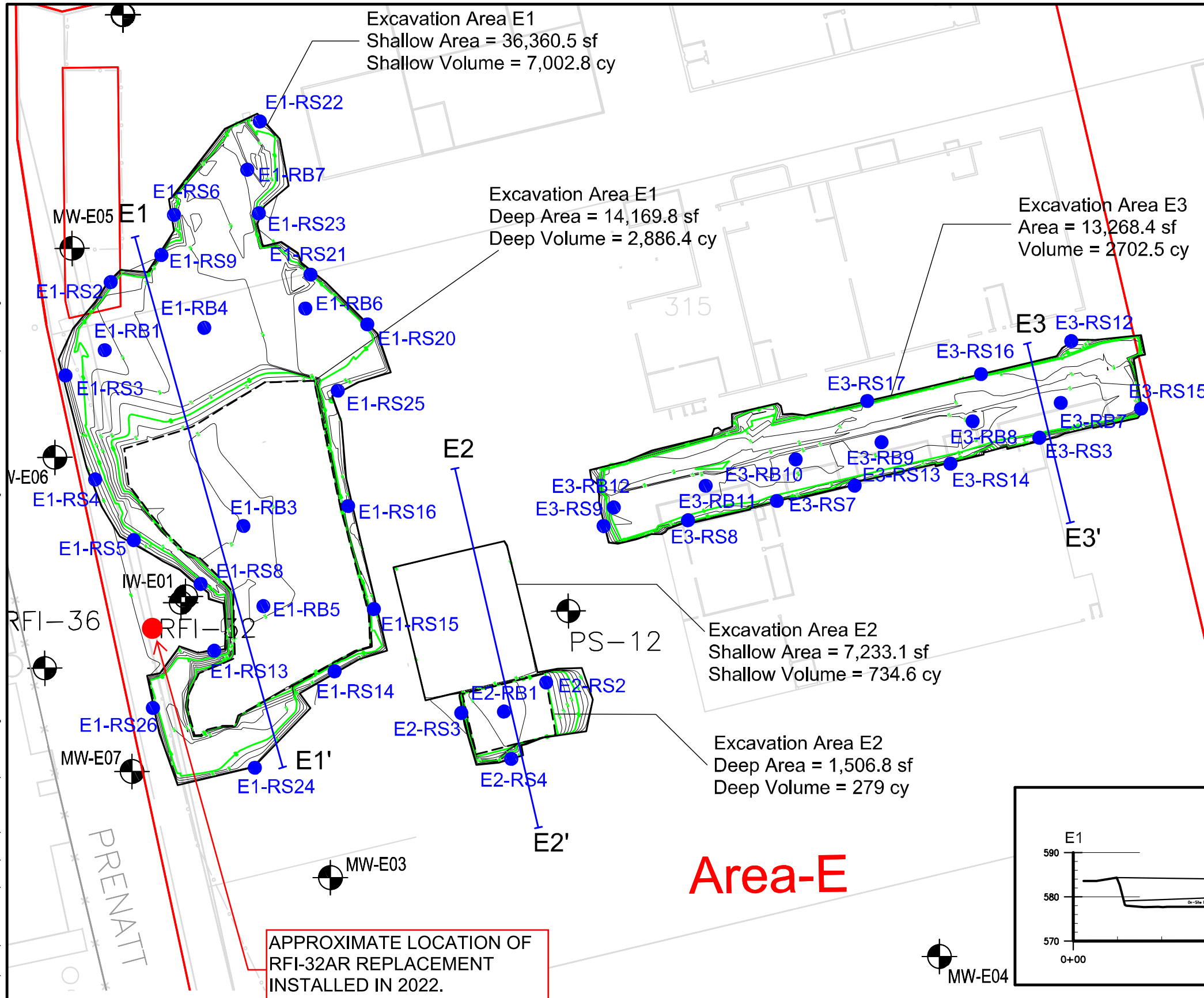
Client Name: SBD	PRR Reporting Period – 2022-2023	Project: Buffalo Color Corporation Site Area E
Photo No. 3		
Direction Photo Taken: Unknown		
Description: Photo provided by NYSDEC showing surface soil shrinking around perimeter of field house.		
Client Name:	PRR Reporting Period – 2022-2023	Project: Buffalo Color Corporation Site Area E
Photo No. 4		
Direction Photo Taken:		
Description:		



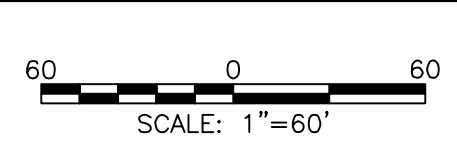
Buffalo Color Corporation Site Area E Site Management Periodic Review Report
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Appendix E – 2010 Final Engineering Report Drawing





- Legend:
- MW-E01 Existing Monitoring Well Location
 - Property Boundary
 - E1-RS20 Record Sample Location



SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

Project No.: 3410090701

MACTEC
Engineering & Consulting Inc.
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

RECORD DRAWING
AREA E REMEDIAL EXCAVATIONS

Figure: 2

P:\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\Area E FER\Area E - Remedial Excavation Locations C-S.dwg Mon, 14 Nov 2011 - 12:27pm nelagattuta

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
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Appendix F – Updated Environmental Easement



AMENDMENT TO ENVIRONMENTAL EASEMENT

This Amendment to Environmental Easement is made as of this ____ day of _____ 20__, by and between The People of the State of New York, acting through their Commissioner of the Department of Environmental Conservation (“NYSDEC” or the “Department”), with its headquarters located at 625 Broadway, Albany, New York 12233, and South Buffalo Development, LLC (the “Grantor”), having an office at 333 Ganson Street, Buffalo, New York 14203.

RECITALS

1. Grantor is the owner of real property located at the address of 339 Elk Street; 100 (f/k/a 85) Lee Street; 427 Elk Street; 5 Babcock Street; and 98 Maurice Street in the City of Buffalo, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie County as tax map parcel numbers: Section 122.12 Block 1 Lot(s) 9.13; 9.11; 12.1; 30 and 31, being the same as that property conveyed to Grantor by the following deed(s) dated February 5, 2009 and recorded in the Erie County Clerk’s Office on February 17, 2009 in Liber 11155 page 6560 [339 Elk Street]; deed dated February 5, 2009 and recorded on February 17, 2009 in Liber 11155 page 6568 [100 (f/k/a 85) Lee Street]; deed dated February 9, 2009 and recorded on February 12, 2009 in Liber 11155 page 5028 [427 Elk Street]; deed dated February 5, 2009 and recorded on February 17, 2009 at Liber 11155 page 6538 [5 Babcock Street] and deed dated March 9, 2009 recorded on March 16, 2009 at Liber 11157 at page 3484 [98 Maurice Street], comprising approximately 15.798 +/- acres (collectively, the “Controlled Property”). The Controlled Property is identified by NYSDEC Site No. C915232; and
2. The Department and Grantor entered into that certain Environmental Easement (the “Environmental Easement”) dated as of December 9, 2011 and recorded in the Erie County Clerk’s Office on December 13, 2011 in Liber 11213, Page 7172. Capitalized terms used herein without definition have the meanings ascribed to them in the Environmental Easement.
3. Pursuant to the Environmental Easement, Grantor granted to the Department rights and interests that run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of the Controlled Property at a level that has been determined to be safe for certain uses while ensuring the performance of certain maintenance, monitoring and/or operation requirements, and to ensure the restriction of future uses of the land that are inconsistent with the stated purpose.
4. The Environmental Easement contains use restrictions that apply to the Controlled Property. This Amendment to Environmental Easement is made and recorded in order to modify the use restrictions applicable to the Controlled Property, because the Department has determined that, in addition to the uses currently allowed under the Environmental Easement, a portion of the Controlled Property as specified herein may now be used for Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), while the allowed uses on the remainder of the Controlled Property will remain unchanged.

5. Pursuant to Section 8 of the Environmental Easement, the Department is using this Amendment to Environmental Easement to amend the Environmental Easement in the manner prescribed by Article 9 of the Real Property Law.

AMENDMENT TO ENVIRONMENTAL EASEMENT

- A. The above recitals are hereby incorporated into this Amendment to Environmental Easement.
- B. The Department and Grantor agree that paragraph 2.A(1) of the Environmental Easement is hereby amended so that it reads as follows:

(1) The portion of the Controlled Property described in Schedule “B-1” and identified in said schedule as “Portion of Controlled Property Where Restricted Residential Use Is Allowed” may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

The portion of the Controlled Property described in Schedule “B-2” and identified in said schedule as “Portion of Controlled Property Where Restricted Residential Use Is Not Allowed” may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

The Department and Grantor further agree that paragraph 2.B of the Environmental Easement is hereby amended so that it reads as follows:

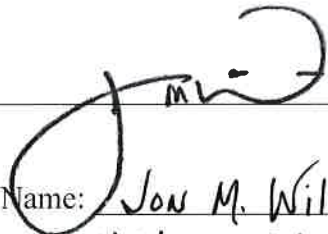
No portion of the Controlled Property shall be used for Residential purposes as described in 6 NYCRR Part 375-1.8(g)(2)(i), and in addition, no portion of the lands described in Schedule “B-2” (which lands comprise a portion of the Controlled Property) shall be used for Restricted Residential purposes as described in 6 NYCRR Part 375-1.8(g)(2)(ii). The engineering controls referenced in this Environmental Easement may not be discontinued without an amendment or extinguishment of this Environmental Easement.

The purpose of these amendments to paragraphs 2.A(1) and 2.B of the Environmental Easement is to add Restricted Residential as an allowed use category for the portion of the Controlled Property described in Schedule “B-1,” in addition to the already-allowed Commercial and Industrial use categories, while leaving the allowed use categories unchanged (i.e., limited to only Commercial and Industrial use) on the remainder of the Controlled Property.

- C. The Department and Grantor agree that Schedule "B-1" and Schedule "B-2" attached hereto are hereby incorporated into this Amendment to Environmental Easement and become part of the Environmental Easement.
- D. All other terms of the Environmental Easement shall remain in effect.
- E. This Amendment to Environmental Easement inures to and binds the parties hereto and their respective successors and assigns.
- F. This Amendment to Environmental Easement shall be governed by and interpreted in accordance with the laws of the State of New York.

IN WITNESS WHEREOF, Grantor has caused this Amendment to Environmental Easement to be signed in its name.

South Buffalo Development, LLC:

By: 
 Print Name: Jon M. Williams
 Title: SBD Holdings I, Inc
Manager and Member
of South Buffalo Date: 7/10/23
Development, LLC

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
 COUNTY OF ERIE)

On the 10th day of July, in the year 2023, before me, the undersigned, personally appeared Jon M. Williams, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.


 Notary Public - State of New York

NANCY L. MAZUR
 Notary Public, State of New York
 Qualified in Erie County No. 1765930
 My Commission Expires 11 30, 2025

THIS AMENDMENT TO ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public - State of New York

SCHEDULE "B-1"

Portion of Controlled Property Where Restricted Residential Use Is Allowed

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie, State of New York, being part of Lot Nos. 133, 195 and 196 of the Buffalo Creek Reservation, and more particularly bounded and described as follows:

Commencing at the intersection of the easterly line of Lee Street with then northerly line of former Prenatt Street; Thence along the easterly line of Lee Street a record bearing of N13°38'00"E and measured bearing of N13°45'01"E a distance of 30.74 feet to the POINT OR PLACE OF BEGINNING;

Thence along the easterly line of Lee Street a record bearing of N13°38'00"E and measured bearing of N13°45'01"E a distance of 495.19 feet to the southerly line of lands conveyed to Elk-Lee LLC by deed filed in the Erie County Clerk's Office in Liber 11106 of deeds at page 9019;

Thence parallel with the south line of Elk Street S76°10'39"E east and along the southerly line of Elk-Lee LLC, a distance of 831.47 feet to the westerly line of the former Maurice Street;

Thence N13°45'01"E along the former west line of Maurice Street and along the east line of Elk-Lee, LLC a distance of 197.00 feet to the south line of Elk Street;

Thence S76°10'39"E along the south line of Elk Street a distance of 260.00 feet to the westerly line of Orlando Street;

Thence S13°45'01"W along the westerly line of Orlando Street a distance of 311.50 feet to a point;

Thence N76°10'39" W a distance of 278.62 feet to a point;

Thence S13°45'01" W a distance of 315.29 feet to a point;

Thence N76°10'39" W a distance of 247.22 feet to a point;

Thence S13°45'01" W a distance of 150.20 feet to a point on the north line of lands conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page 437;

Thence along the north line of lands conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page 437 N 76°10'39" W a distance of 4.21 feet to a point on the east line of Lot 195;

Thence N75°10'16"W along the north line of lands conveyed to The Buffalo Creek Railroad Company a distance of 79.97 feet to a point on the west line of lands conveyed to South Buffalo Development, LLC in Deed filed in Erie County Clerk's Office in Liber 11155 at Page 6538;

Thence N 13°45'01" E a distance of 18.60 feet along said west line of South Buffalo Development, LLC to a point;

Thence N 78°02'05" W a distance of 318.63 feet to a point on the west line of Lot 195 and the east line of Lot 133;

Thence along the east line of Lot 133 N 13°45'01" E a distance of 38.84 feet to the north east corner of lands conveyed to Buffalo Niagara Electric Corporation by deed filed in the Erie County Clerk's Office in Liber 2686 of deeds at page 180;

Thence along the north line of lands conveyed to Buffalo Niagara Electric Corporation and its extension westerly, N 63°37'29" W a distance of 167.03 feet to the POINT OR PLACE OF BEGINNING. Containing 11.520 Acres (501,792 Sq. Ft.) more or less.

SCHEDULE "B-2"

Portion of Controlled Property Where Restricted Residential Use Is Not Allowed

339 Elk Street:

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie, State of New York, being part of Lot No. 133 of the Buffalo Creek Reservation, and more particularly bounded and described as follows:

BEGINNING at the intersection of the easterly line of Lee Street with the Southerly line of Elk Street;

Thence easterly along the south line of Elk Street on a record deed bearing of $76^{\circ}17'40''E$ and a measured bearing of $S76^{\circ}10'39''E$ a distance of 85.00 feet to a point;

Thence southerly on a record deed bearing of $S13^{\circ}38'00''W$ and measured bearing of $S13^{\circ}45'01''W$ a distance of 53.00 feet to a point;

Thence westerly on a record deed bearing $N76^{\circ}17'40''W$ and measured bearing of $N76^{\circ}10'39''W$ a distance of 85.00 feet to a point on the east line of Lee Street;

Thence northerly along the east line of Lee Street on a record bearing of $N13^{\circ}38'00''E$ and measured bearing of $N13^{\circ}45'01''E$ a distance of 53.00 feet to the Point or Place of Beginning, Containing 0.103 Acre (4,505 Sq. Ft.) more or less.

427 Elk Street:

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie, State of New York, being part of Lot Nos. 196 and 197 of the Buffalo Creek Reservation, and more particularly bounded and described as follows:

Beginning at the north east corner of lands conveyed to The Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of deeds at page 4 said point being on the west line of Babcock Street;

Thence $N13^{\circ}45'01''E$ along the west line of Babcock Street a distance of 33.00 feet to a point on the former north line of the former Prenatt Street;

Thence $N76^{\circ}10'39''W$ along the former North line of the former Prenatt Street a distance of 300.00 feet to the west line of Orlando Street;

Thence $N13^{\circ}45'01''E$ along the west line of Orlando Street a distance of 445.50 feet to a point;

Thence $N76^{\circ}10'39''W$ a distance of 278.62 feet to a point;

Thence $S13^{\circ}45'01''W$ a distance of 315.29 feet to a point;

Thence $N76^{\circ}10'39''W$ a distance of 247.22 feet to a point;

Thence $S13^{\circ}45'01''W$ a distance of 150.20 feet to a point on the north line of lands conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page 437;

Thence $S76^{\circ}10'39''E$ along the north line of lands conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page 437 a distance of 655.79 feet to a point;

Thence continuing along the north line of lands conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page 437 a distance of 170.56 feet to the Point or Place of Beginning, containing 3.993 Acres (173,935 Sq. Ft.) more or less.

Portion of 5 Babcock Street & 85 Lee Street:

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie, State of New York, being part of Lot No. 133 of the Buffalo Creek Reservation, and more particularly bounded and described as follows:

BEGINNING at the intersection of the easterly line of Lee Street with then northerly line of former Prenatt Street;

Thence along the easterly line of Lee Street a record bearing of N13°38'00"E and measured bearing of N13°45'01"E a distance of 30.74 feet to a point;

Thence easterly in a straight line parallel with and distant 30 feet at right angles from the north line of Prenatt Street S63°37'29"E a distance of 37.19 feet to the north west corner of lands conveyed to Buffalo Niagara Electric Corporation by deed filed in the Erie County Clerk's Office in Liber 2686 of deeds at page 180;

Thence S 26°22'30"W along the westerly line of lands conveyed to Buffalo Niagara Electric Corporation by deed filed in the Erie County Clerk's Office in Liber 2686 of deeds at page 180 a distance of 30.00 feet to the northerly line of former Prenatt Street;

Thence S63°37'29"E along the northerly line of former Prenatt Street a distance of 126.29 feet to an angle point therein;

Thence continuing along the northerly line of former Prenatt Street S76°14'59"E a distance of 10.02 feet to the east Line of Lot 133;

Thence S13°45'01" W along the east line of Lot 133 a distance of 10.34 feet to a point;

Thence S 78°02'05" E a distance of 318.63 to the westerly line of lands conveyed to South Buffalo Development, LLC in Deed filed in Erie County Clerk's Office in Liber 11157 at Page 3484;

Thence S13°45'01" W a distance of 18.60 feet along said west line of South Buffalo Development, LLC to a point in the north line of lands conveyed to the Buffalo Creek Railroad Company;

Thence N75°10'16"W along the north line of lands conveyed to The Buffalo Creek Railroad Company a distance of 318.53 feet to a point;

Thence N71°53'01"W along the north line of lands conveyed to The Buffalo Creek Railroad Company a distance of 100.89 feet to a point in a line drawn parallel with and 25 feet southerly measured at right angles from the north line of the former Prenatt Street;

Thence N63°37'29"W along the north line of lands conveyed to The Buffalo Creek Railroad Company a distance of 77.02 feet to a point in the west line of the street closing (Prenatt Street) as described in deed filed in the Erie County Clerk's Office in Liber 5836 of deeds at page 182, parcel A;

Thence N43°02'06"E along the west line of the street closing (Prenatt Street) as described in deed filed in the Erie County Clerk's Office in Liber 5836 of deeds at page 182, parcel A, a distance of 26.10 feet to the point or place of beginning. Containing 0.184 Acre (8005 Sq. Ft.) more or less.

Buffalo Color Corporation Site Area E Site Management Periodic Review Report
100 Lee Street (f/k/a 85 Lee Street) et. al, Buffalo, New York
NYSDEC Site Number C915232
Dates Covered by Report: October 5, 2022 to October 5, 2023

Appendix G –RFI-32AR Survey



Please Respond to:
PO Box 1120
Lewiston, NY 14092
T (716) 297-9584

Lee@Niagaraboundary.com

Kenneth L. Slaughenhoupt, PLS

Niagara Boundary

And Mapping Services
Land Surveyors

April 26, 2023

Todd Waldrop, PE
Inventum Engineering
481 Carlisle Drive
Suite 202
Herndon, Virginia, 20170

Subject: Monitoring Well RFI 32A

Dear Todd,

The results of the survey observations of Monitoring Well RFI 32A at the former Buffalo Color Site:

Location of Well: N.1044114.32
 E. 1079213.55

Ground Elevation = 586.43

Core Elevation = 585.66

Casing Elevation = 586.55

Horizontal Location is based on New York State Plane Coordinate System, West Zone 3103. Vertical Datum is NAVD88.

Respectfully


Kenneth L. Slaughenhoupt, PLS
President
Niagara Boundary & Mapping Services.

