INVENTUM ENGINEERING, PC

February 1, 2023

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 Area E Site (referred hereafter as the Site). This report documents the implementation of, and compliance with, site-specific Site Management (SM) requirements for the reporting period of October 5, 2021 to October 5, 2022.

The revised report incorporates comments on the PRR received from the New York State Department of Environmental Conservation (NYSDEC) in an e-mail dated January 18, 2023. The NYSDEC's questions and comments are reproduced in the bullets below followed by Inventum's response in *italics*.

- CAMP data was not collected for the new monitoring well installation?
  CAMP stations were not setup during the monitoring well installation. The field was not in use during the well installation. Particulates were visually monitored by Inventum personnel. Dust suppression was not needed due to the moisture in the soil cuttings. VOCs were monitored immediately downwind of the drilling location (at the adjacent wall) using a handheld photoionization detector (PID). There were no work zone perimeter PID readings above the DEC's generic CAMP action levels.

- Please indicate throughout the text that an excavation did occur during the Certifying Period as a new monitoring well was installed.
  The PRR has been revised in accordance with the comment.

- Was the SSDS inspected visually and/or manometer readings/pressure testing completed during the Certifying Period?
  The SSDS was inspected periodically to confirm fans were in operation. Going forward, documentation of these inspections will be added on a quarterly basis to the site inspection program. Pressure testing is scheduled to be conducted during the next

reporting period and will also be proposed to be completed on an annual basis in the revised SMP. The PRR has been revised (Section 1.2.2, Section 4.3, and Section 5.2) to reflect this comment/response.

- Section 3.1.1 – Indicate that an existing building is also part of the cover system in the commercial use areas.
  The PRR has been revised in accordance with the comment.

- Table 1B – Carbon disulfide has a GWQS per the addendum to TOGS 1.1.1. Please add in and highlight any exceedances.
  Table 1B has been revised in accordance with the comment.

- Table 3 -
  - The monitoring well casing elevation does not match the construction logs in the SMP. Please detail when the monitoring wells were last surveyed in the footnotes.
    SBD's O&M records indicate the monitoring wells were surveyed in September 2012 (MW-E05, RFI-29, and RFI-33) and September 2014 (RFI-32A [now abandoned]). A footnote has been added to Table 3 in accordance with the comment.
  - Revise the 4Q2021 water level collection date to 10/25
    The PRR has been revised in accordance with the comment.

Please feel free to call with any questions or comments.

Respectfully submitted,

John P. Black, P.E.

Enclosures

Enclosures

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 **Box 1**

Site No. **C915232**

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, 2021 to October 05, 2022

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

NYSDEC Approved site use includes restricted-residential

Box 2

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

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

2/1/2023
Date

Enclosure B

Buffalo Color Corporation Site Area E Site Management Periodic Review Report

85 Lee Street
NYSDEC Site Number C915232

Dates Covered by Report:
October 5, 2021 to October 5, 2022

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1 Executive Summary

1.1 Site Summary

The 15.8-acre Area E Site is located at 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 the NY Commercial 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 NY soil SCOs and groundwater 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 SCOs;
- 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:

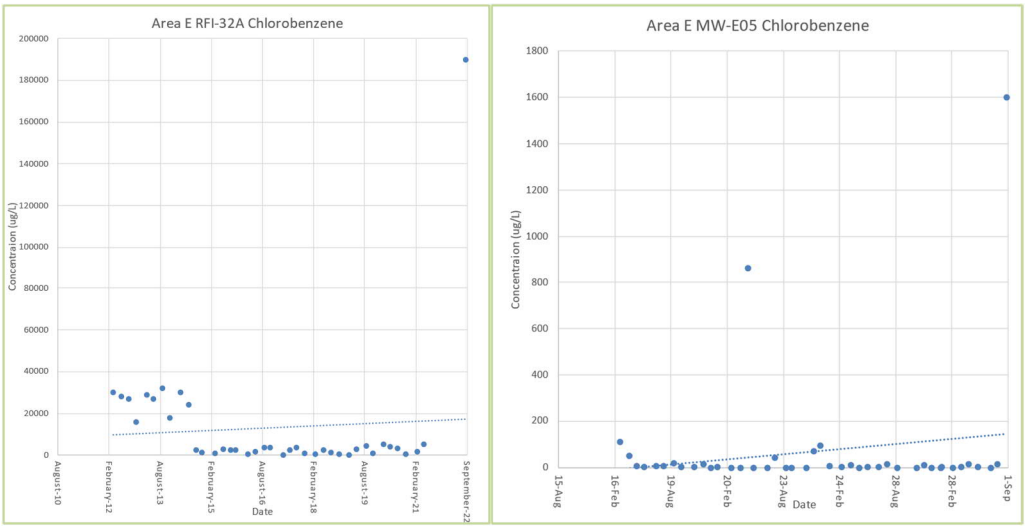
- Quarterly shallow groundwater sampling (Table 1, Figures 1 and 2, Appendices A and B); and
- Quarterly Site inspections (Table 2).

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 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 (Appendix C).
- 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 (Appendix C). The cover system is functioning as designed.
- The commercial use compliant vegetated cover south of the field house was regraded during the 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 liner was not affected during the redevelopment or regrading. An import request for topsoil was submitted during the reporting period. The topsoil will be placed during the next reporting period and the graded area re-surveyed to document attainment of a minimum 1-foot cover.
- RFI-32AR was reinstalled as close to the original RFI-32A location as allowable.
- The replacement monitoring well was developed on July 28, 2022, two weeks prior to sampling in Q3 2022 (August 17, 2022). Water quality readings were collected during the development; however, the field forms were misplaced. Water quality readings from the Q3 2022 sampling are provided in Appendix B. Field personnel indicated that approximately 7-gallons was purged from the well during the development using an electric submersible pump. The monitoring well needed to recharge several times during the development. Field personnel indicated that the development water started out turbid but cleared considerably after approximately 3.5-gallons.
- 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;
    - RFI-32AR and MW-E05 both contained chlorobenzene at the highest concentration recorded since at least March 2012 (Table 1):



- RFI-32AR was sampled for the first time in Q3 2022 after re-installation and development. The new location appears to be in an area outside of the original remedial action excavation (Appendix E). Additionally, the location is downgradient from the Phase 2 development excavation where approximately 700 pounds of ORC-A was added during the prior reporting period. Continued monitoring is necessary as the groundwater system equilibrates/stabilizes from the redevelopment and upgradient oxidant addition.
- Continued monitoring is required to determine if the elevated chlorobenzene concentration at MW-E05 was due to potential sampling bias or equilibration/stabilization of the groundwater system from the site redevelopment and upgradient oxidant addition.
- Non-aqueous phase liquids were not measured in any well (Table 2).
- Groundwater flow in the area is apparently south to southwest in the vicinity of RFI-32A, RF-29, and MW-E05. Figures 3 through 6 provide the interpreted flow directions.

There was no change in site use during the reporting period. No groundwater use occurred during the reporting period. No materials were imported to the Site during the reporting period. Excavations conducted during the reporting period included drilling of the replacement monitoring well RFI-32AR.

1.2.1 Progress During the Reporting Period

RFI-32A was re-installed on July 1, 2022 in accordance with the approved Remedial Action Work Plan Addendum (RAWP). The construction log for the replacement well (RFI-32AR) is included in Appendix F. Soil cuttings from the installation were containerized in DOT-compliant 55-gallon steel drums and disposed of offsite as non-hazardous waste (Appendix G).

Regrading of the commercial use compliant vegetated cover in the area south of the field house was initiated in September 2022 (Figure 1). Topsoil will be imported during the next reporting period to complete the regrading. The final regrading is tentatively scheduled to be completed April or May 2023 or as soon as weather conditions are amenable to support a successful revegetation. Import approval documentation will be provided in the PRR for the next reporting period.

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) the remedy remained protective for preventing inadvertent direct contact with impacted soils.
- The groundwater 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 has been successfully remediated.
- 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 is scheduled to be conducted during the next reporting period.
- The groundwater concentrations in the southwest corner of the site remain above the goals for the site. Data from the Q3 2022 show a marked increase in chlorobenzene concentrations in RFI-32AR and MW-E05 (Table 1). Continued monitoring is necessary as the groundwater system equilibrates/stabilizes from the re-development and upgradient oxidant addition.

1.3 Compliance

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

1.3.1 Potential Non-compliance

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

1.3.2 Proposed Steps

Regrading of the commercial use compliant vegetated cover south of the fieldhouse will be completed during the next reporting period. RFI-32AR and the regraded cover area will be re-surveyed during the next reporting period.

1.4 Recommendations

1.4.1 Recommended Changes to the SMP

No changes are recommended to the SMP at this time; however, the SMP and FER will be revised during the next reporting period to document the upgraded site use.

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 field is currently leased to a local college.

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:

- 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 Appendix A and 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 will be updated during the next 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. The Site will remain in corrective measures until finalization of the revised SMP, FER, and environmental easement. The revised SMP and FER will be submitted to the NYSDEC during the next reporting period.

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

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) to potential human exposure during the reporting period with the exception noted below.

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, regrading of the area was required to reduce ponding of water and reseeding is necessary to ensure compliance with ECs. Corrective measures for this area were initiated during the reporting period (Section 3.1.3) and will continue during the next reporting period.

3.1.3 Corrective Measures

Regrading of the commercial use compliant vegetated cover in the area south of the fieldhouse was initiated during the reporting period to improve surface water drainage and reduce ponding of water. Additional fine grading with imported topsoil and seeding will be completed during the next reporting period.

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 to 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:

Monitoring Type	Frequency	Q42021	Q1 2022	Q2 2022	Q3 2022
Low-flow Shallow Groundwater Well Sampling	Quarterly	X	X	X	X
Site-wide & Cover System Inspections	Quarterly	X	X	X	X

Sample Point	Frequency	Sample Point Type	Monitoring Parameters	Q4 21	Q1 22	Q2 22	Q3 22
RFI-29	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
RFI-32A/RFI-32AR	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals				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	X

RFI-32A was temporarily abandoned during the prior reporting period to allow for construction of the athletic field during the Phase 2 redevelopment. As a result, sampling was not conducted in Q4 2021, Q1 2022, or Q2 2022. The monitoring well was reinstalled (RFI-32AR) in July 2022 as close to the original location as possible (Figure 1).

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

SSD system inspections will be added to the quarterly Site inspection program.

A revised/updated SMP will be submitted to the NYSDEC during the next reporting period and will document any additional proposed changes to the monitoring plan.

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. The revised SMP and FER will be submitted during the next reporting period 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.

		2022	2023		
Monitoring Type	Frequency	4th	1st	2nd	3rd
Low-flow Shallow Groundwater Well Sampling	Quarterly	X	X	X	X
Site-wide & Cover System Inspections	Quarterly	X	X	X	X
SSD System Inspection	Quarterly	X	X`	X	X

				2022	2023		
Sample Point	Frequency	Sample Point Type	Monitoring Parameters	4th	1st	2nd	3rd
RFI-29	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	X	X		
RFI-32AR	Quarterly	Monitoring Well	TCL VOCs, TCL SVOCs, TAL Metals	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

As proposed and approved within the 2020-2021 PRR, installation of ORC socks in RFI-29 and MW-E05 was to proceed after reinstallation of RFI-32A. Based on the elevated concentration of chlorobenzene detected in the samples from RFI-32AR and MW-E05 (Table 1, Figure 2) during the Q3 2022 sampling, the ORC socks will be placed in the wells (RFI-29, RFI-32AR, and MW-E05) after the Q1 2023 sampling event to allow collection of three successive rounds (Q3 2022, Q4 2022, and Q1 2023) of data before introduction of additional ORC. Sampling will not occur at RFI-29, RFI-32AR, and MW-E05 in Q2 2023 while the ORC socks are in place but will resume in Q3 2023. Sampling at RFI-33 will continue quarterly without interruption during the reporting period.

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 for those monitoring wells remaining in the quarterly monitoring program. Groundwater elevations are shown on Figures 3 through 6. While the remedial actions have been successful over a majority of the Site, significant progress toward the GWQS continues to be made in the southwest corner where groundwater concentrations have largely stabilized in RFI-32A, RFI-29, and MW-E05. Continued monitoring at MW-E05 is necessary to determine if the large increase in chlorobenzene concentration during the Q3 2022 sampling was an outlier.

Historically, concentrations of COCs in RFI-32A were typically orders of magnitude above the surrounding wells. RFI-32AR was installed as close to RFI-32A as possible and chlorobenzene was detected at a concentration approximately 35 times that of RFI-32A in Q2 2021 (Table 1). 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. Continued monitoring at RFI-32AR is necessary as the groundwater system stabilizes.

5.4 Comparisons with Remedial Objectives

The data that exceeded the GWQS are presented in Table 1 and on 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 revised SMP and FER will be submitted to the NYSDEC during the next reporting period

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, 2023.

Tables

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
R-10		Not Sampled						
	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	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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
R-11 (Well Decommissioned 5/25/2021)	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

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
RFI-29	11/17/2009	3	1.1	5.2	<1	14	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

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
RFI-32A	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

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
RFI-33	11/18/2009	<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
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/12/2012	<1	<1	<1	<1	<1	0	0
	11/30/2012	<1	<1	<1	<1	<1	0	0.35
	3/26/2013	<1	<1	<1	<1	<1	0	0
	6/5/2013	<1	<1	<1	<1	<1	0	2.1
	9/9/2013	<1	<1	<1	<1	<1	0	0
	11/26/2013	<1	<1	<1	<1	<1	0	0
	3/24/2014	<1	<1	<1	<1	<1	0	8.5
	6/24/2014	<1	<1	<1	<1	<1	0	0.23
	9/8/2014	<1	<1	<1	<1	<1	0	0
	11/11/2014	<1	<1	<1	<1	<1	0	3.7
	4/1/2015	<1	<1	<1	<1	<1	0	0.92
	6/22/2015	<1	<1	<1	<1	<1	0	1.7
	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
	5/31/2016	<1	<1	<1	<1	<1	0	0.37
	9/12/2016	<1	<1	<1	<1	<1	0	0
	11/8/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	<1	0	0
	6/8/2017	<1	<1	<1	<1	<1	0	0.69
	8/15/2017	<1	<1	<1	<1	<1	0	0
	11/15/2017	<1	<1	<1	<1	<1	0	0
	3/13/2018	<1	<1	<1	<1	<1	0	0
	6/6/2018	<1	<1	<1	<1	<1	0	0
	8/28/2018	<1	<1	<1	<1	<1	3.1	0.31
	11/19/2018	<1	<1	<1	<1	<1	0	0
	3/14/2019	<1	<1	<1	<1	<1	0	0.42
	5/29/2019	<1	<1	<1	<1	<1	0	0
	9/10/2019	<1	<1	<1	<1	<1	0	0
	11/19/2019	<1	<1	<1	<1	<1	0	0
	3/16/2020	<1	<1	<1	<1	<1	0	0
	5/27/2020	<1	<1	<1	<1	<1	0	1.2
	8/12/2020	<1	<1	<1	<1	<1	0	1.46 J
	11/4/2020	<1	<1	<1	<1	<1	0	0
	11/4/2020 DUP	<1	<1	<1	<1	<1	0	0
	3/9/2021	<1	<1	<1	<1	<1	0	0.34J
	5/25/2021	<1	<1	<1	<1	<1	0	0
	8/9/2021	<1	<1	<1	<1	<1	0	0.53J
	11/9/2021	<0.79	<0.78	<0.84	<0.41	<0.75	0	0
	11/9/2021 DUP	<0.79	<0.78	<0.84	<0.41	<0.75	0	0
	3/16/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0
	3/16/2022 DUP	<0.79	<0.78	<0.84	<0.41	<0.75	0	0
	5/18/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0
	8/17/2022	<0.79	<0.78	<0.84	<0.41	<0.75	0	0

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
RFI-51 (Well Decommissioned 5/25/2021)	11/19/2009	0.56	<1	<1	<1	1.7	2.26	0
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/12/2012	<1	<1	<1	<1	<1	0	0.93
	11/28/2012	<1	<1	<1	<1	<1	0	0
	3/25/2013	<1	<1	<1	<1	<1	0	0
	6/3/2013	<1	<1	<1	<1	<1	0	0
	9/10/2013	<1	<1	<1	<1	<1	0	0
	11/27/2013	<1	<1	<1	<1	<1	0	0
	3/24/2014	<1	<1	<1	<1	<1	0	0
	6/25/2014	<1	<1	<1	<1	<1	0	0
	9/10/2014	<1	<1	<1	<1	<1	0	0
	11/11/2014	<1	<1	<1	<1	<1	0	2.8
	4/1/2015	<1	<1	<1	<1	<1	0	0.33
	6/23/2015	<1	<1	<1	<1	<1	0	0
	9/9/2015	<1	<1	<1	<1	<1	0	0
	11/4/2015	<1	<1	<1	<1	<1	0	0
	3/17/2016	<1	<1	<1	<1	<1	0	0
	5/31/2016	<1	<1	<1	<1	<1	0	0
	9/13/2016	<1	<1	<1	<1	<1	0	0
	11/8/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	<1	0	0
	6/8/2017	<1	<1	<1	<1	<1	0	0.73
	8/15/2017	<1	<1	<1	<1	<1	0	0
	11/14/2017	<1	<1	<1	<1	<1	0	0
	3/13/2018	<1	<1	<1	<1	<1	0	0
	6/7/2018	<1	<1	<1	<1	<1	0	0
	8/29/2018	<1	<1	<1	<1	<1	4.3	0
	11/19/2018	<1	<1	<1	<1	<1	0	0
	3/14/2019	<1	<1	<1	<1	<1	0	0.58
	5/29/2019	<1	<1	<1	<1	<1	0	0
	9/11/2019	<1	<1	<1	<1	<1	0	0
	11/19/2019	<1	<1	<1	<1	<1	0	0
	3/16/2020	<1	<1	<1	<1	<1	3.9 J	0
	5/27/2020	<1	<1	<1	<1	<1	0	0.45 BJ
	8/11/2020	<1	<1	<1	<1	<1	0	0.47 BJ
	11/5/2020	<1	<1	<1	<1	<1	0	0
	3/9/2021	<1	<1	<1	<1	<1	0	0.37J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
RFI-PZ-16 (Well Decommissioned 5/25/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/12/2012	<1	<1	<1	<1	<1	0	0
	11/28/2012	<1	<1	<1	<1	<1	0	0
	3/26/2013	<1	<1	<1	<1	<1	0	0
	6/5/2013	<1	<1	<1	<1	<1	0	0
	9/10/2013	<1	<1	<1	<1	<1	0	0
	11/27/2013	<1	<1	<1	<1	<1	0	0
	3/25/2014	<1	<1	<1	<1	<1	0	0
	6/24/2014	<1	<1	<1	<1	<1	3.6	0
	9/10/2014	<1	<1	<1	<1	<1	0	0
	11/11/2014	<1	<1	<1	<1	<1	0	2.9
	4/1/2015	<1	<1	<1	<1	<1	0	0
	6/23/2015	<1	<1	<1	<1	<1	0	0
	9/9/2015	<1	<1	<1	<1	<1	3.2	0
	11/4/2015	<1	<1	<1	<1	<1	0	0
	3/16/2016	<1	<1	<1	<1	<1	0	1.53
	5/31/2016	<1	<1	<1	<1	<1	3.7	0
	9/13/2016	Well dry. No sample was collected						
	11/8/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	<1	0	0
	6/8/2017	<1	<1	<1	<1	<1	0	0.98
	8/15/2017	<2	<2	<2	<2	<2	2.1	0
	11/14/2017	<1	<1	<1	<1	<1	0	0
	3/13/2018	<1	<1	<1	<1	<1	0	0
	6/7/2018	<2	<2	<2	<2	<2	0	0
	8/29/2018	<2	<2	<2	<2	<2	6.6	0
	11/19/2018	<2	<2	<2	<2	<2	0	0
	3/14/2019	<2	<2	<2	<2	<2	0	0.52
	5/29/2019	<2	<2	<2	<2	<2	0	0.35
	9/11/2019	<2	<2	<2	<2	<2	0	0
	11/19/2019	<1	<1	<1	<1	<1	0	0
	3/16/2020	<1	<1	<1	<1	<1	0	0
	5/27/2020	<1	<1	<1	<1	<1	0	0.45 BJ
	8/12/2020	<2	<2	<2	<2	<2	0	0.5 BJ
	11/5/2020	<2	<2	<2	<2	<2	0	0
	3/9/2021	<1	<1	<1	<1	<1	0	0.35J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E03 (Well Decommissioned 5/25/2021)	11/20/2009	<1	<1	<1	<1	1.4	1.4	0.44
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	1.7	40	41.7	0
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/12/2012	<1	<1	<1	<1	<1	0	0
	11/29/2012	<1	<1	<1	<1	<1	0	0.37
	3/23/2013	<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
	3/25/2014	<1	<1	<1	<1	<1	0	0
	6/23/2014	<1	<1	<1	<1	<1	3.3	0.61
	9/9/2014	<1	<1	<1	<1	<1	0	0
	11/10/2014	<1	<1	<1	<1	<1	0	4.4
	4/1/2015	<1	<1	<1	<1	<1	3.9	0.28
	6/22/2015	<1	<1	<1	<1	<1	3.2	0
	9/9/2015	<1	<1	<1	<1	<1	3.2	0.83
	11/3/2015	<1	<1	<1	<1	<1	0	0
	3/15/2016	<1	<1	<1	<1	<1	0	0.85
	5/31/2016	<1	<1	<1	<1	<1	3	0
	9/12/2016	<1	<1	<1	<1	<1	0	0
	11/7/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	<1	0	0
	6/7/2017	<1	<1	<1	<1	<1	0	0.8
	8/16/2017	<1	<1	<1	<1	<1	0	0
	11/15/2017	<1	<1	<1	<1	<1	0	0
	3/13/2018	<1	<1	<1	<1	<1	0	0
	6/6/2018	<1	<1	<1	<1	<1	0	0
	8/28/2018	<1	<1	<1	<1	<1	3.3	0
	11/19/2018	<1	<1	<1	<1	<1	0	0
	3/14/2019	<1	<1	<1	<1	<1	0	0.44
	5/29/2019	<1	<1	<1	<1	<1	0	0
	9/11/2019	<1	<1	<1	<1	<1	0	0
	11/19/2019	<1	<1	<1	<1	<1	0	0
	3/16/2020	<1	<1	<1	<1	<1	0	0
	5/27/2020	<1	<1	<1	<1	<1	0	0
	8/12/2020	<1	<1	<1	<1	<1	0	0.48 BJ
	11/4/2020	<1	<1	<1	<1	<1	0	2.95J
	3/9/2021	<1	<1	<1	<1	<1	0	0.44J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E04A (Well Decommissioned 5/25/2021)	11/20/2009	0.55	<1	<1	<1	0.8	1.83	440*
	10/10 - 1/11	ORC-A Application						
	3/30/2012	No Sample Collected - Well Destroyed						
	6/28/2012	<4	<4	<4	<4	<4	15.6	124*
	9/12/2012	<4	<4	<4	<4	<4	0	3.48
	11/29/2012	<1	<1	<1	<1	<1	0	28.41
	3/24/2013	2.8	<1	<1	<1	1.4	7.5	5200
	6/4/2013	2	<1	<1	<1	1.1	4.07	3512.6
	9/9/2013	2.3	<1	<1	<1	1.9	5.71	2419.5
	11/25/2013	1.4	<1	<1	<1	1.6	3.73	5805.73
	3/24/2014	1.9	<1	<1	<1	1.2	4.94	4100
	6/24/2014	5.8	<1	1.2	<1	3.4	15.2	13100
	9/8/2014	2.1	<1	<1	<1	0.94	4.46	562.8
	11/10/2014	<1	<1	<1	<1	<1	0	4.26
	4/1/2015	1.7	<1	<1	<1	1.1	8.77	4700
	6/22/2015	1.6	<1	<1	<1	<1	2.23	570
	9/9/2015	2.5	<1	<1	<1	<1.4	4.34	2250
	11/3/2015	<1	<1	<1	<1	<1	0	201.89
	3/16/2016	1.1	<1	<1	<1	<1	1.84	9230
	5/31/2016	2.1	<1	<1	<1	1.1	5.3	810
	9/12/2016	2.1	<1	<1	<1	1	9.41	1138
	11/7/2016	<1	<1	<1	<1	<1	0	11.5
	3/27/2017	1.4	<1	<1	<1	<1	2.5	1090
	6/7/2017	3.8	<1	0.94 J	<1	1.6	11.64	6186.7
	8/15/2017	1.3	<1	<1	<1	0.81 J	2.63	510
	11/14/2017	1.8	<1	<1	<1	1.1	5.98	10100
	3/12/2018	9.3	<4	<4	<4	<4	18.9	11890
	6/6/2018	8.9	<4	<4	<4	<4	14.6	10173
	8/27/2018	1.3	<1	<1	<1	<1	6	20 J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E05		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	0.56 J	110	110.56	0
	6/28/2012	<1	<1	<1	<1	51	51	0
	9/11/2012	<1	<1	<1	<1	9.8	9.8	0
	11/28/2012	<1	<1	<1	<1	3.9	3.9	0
	3/25/2013	<1	<1	<1	<1	9.3	9.3	0
	6/3/2013	<1	<1	<1	<1	6.3	6.3	0
	9/9/2013	<1	<1	<1	<1	18	18	0
	11/26/2013	<1	<1	<1	<1	2.7	2.7	0
	3/25/2014	<1	<1	<1	<1	3.1	3.1	0
	6/24/2014	<1	<1	<1	<1	17	17	0.22
	9/9/2014	<1	<1	<1	<1	1.4	1.4	0
	11/11/2014	<1	<1	<1	<1	3.2	3.2	4.5
	4/1/2015	<1	<1	<1	<1	<1	0	0.74
	6/23/2015	<1	<1	<1	<1	0.88 J	0.88	0
	9/9/2015	<1	<1	<1	1.2	860	861.2	0
	11/4/2015	<1	<1	<1	<1	<1	0	0.26
	3/16/2016	<1	<1	<1	<1	1.1	1.1	0.74
	5/31/2016	<1	<1	<1	<1	43	43	0.69
	9/13/2016	<1	<1	<1	<1	<1	3.1	0
	11/8/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	1.8	1.8	0
	6/8/2017	<1	<1	<1	<1	70	70	1
	8/15/2017	<1	<1	<1	<1	97	97	0
	11/13/2017	<1	<1	<1	<1	6.3	6.3	0.52
	3/13/2018	<1	<1	<1	<1	2.4	2.4	0
	6/7/2018	<1	<1	<1	<1	13	13	0
	8/28/2018	<1	<1	<1	<1	<1	3.6	0.36
	11/19/2018	<1	<1	<1	<1	4.3	4.3	0
	3/14/2019	<1	<1	<1	<1	2.1	2.1	0.39
	5/29/2019	<1	<1	<1	<1	17	17	0
	9/10/2019	<1	<1	<1	<1	1.0	1.0	0
	11/19/2019	<1	<1	<1	<1	4.4	4.4	0
	3/16/2020	<1	<1	<1	<1	0.9 J	0.9	0
	5/27/2020	<1	<1	<1	<1	12 J	12	0.46 BJ
	8/11/2020	<1	<1	<1	<1	<1	0	0.51 BJ
	11/5/2020	<1	<1	<1	<1	0.99J	0.99	0
	3/9/2021	<1	<1	<1	<1	<1	0	0.37J
	5/24/2021	<1	<1	<1	<1	5.7	5.7	0.6 BJ
	8/9/2021	<1	<1	<1	<1	14	14	1.1J
	11/9/2021	<0.79	<0.78	<0.84	<0.41	5.1	5.1	0.4 BJ
	3/16/2022	<0.79	<0.78	<0.84	<0.41	1.5	1.5	0
	5/18/2022	<0.79	<0.78	<0.84	<0.41	11	11	0
	5/18/2022 DUP	<0.79	<0.78	<0.84	<0.41	14	14	0
	8/17/2022	<0.79	<0.78	1.1	9.2	1600	1610.3	0

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E06 (Well Decommissioned 5/25/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	0.76 J	0.76	0
	6/28/2012	<1	<1	<1	<1	<1	0	0
	9/11/2012	0.87 J	<1	<1	<1	<1	0.87	0
	11/28/2012	<1	<1	<1	<1	<1	0	0
	3/25/2013	<1	<1	<1	<1	<1	0	0
	6/3/2013	<1	<1	<1	<1	<1	0	0
	9/9/2013	<1	<1	<1	<1	<1	0	0
	11/26/2013	<1	<1	<1	<1	<1	0	0
	3/25/2014	<1	<1	<1	<1	<1	0	0
	6/25/2014	<1	<1	<1	<1	<1	0	0.24
	9/9/2014	<1	<1	<1	<1	<1	0	0
	11/11/2014	<1	<1	<1	<1	<1	0	4.9
	4/1/2015	<1	<1	<1	<1	<1	0.31	0.29
	6/23/2015	<1	<1	<1	<1	<1	0	1.7
	9/9/2015	0.85 J	<1	<1	<1	<1	4.59	2.2
	11/4/2015	<1	<1	<1	<1	<1	0	0
	3/16/2016	<1	<1	<1	<1	<1	0	1.71
	5/31/2016	<1	<1	<1	<1	<1	3.2	0.27
	9/13/2016	<1	<1	<1	<1	<1	0	0
	11/8/2016	<1	<1	<1	<1	<1	0	0
	3/28/2017	<1	<1	<1	<1	<1	0	0
	6/8/2017	<1	<1	<1	<1	<1	0	0.7
	8/15/2017	<1	<1	<1	<1	1.1	1.1	0
	11/14/2017	<1	<1	<1	<1	<1	0	0
	3/13/2018	<4	<4	<4	<4	<4	0	0
	6/7/2018	<4	<4	<4	<4	<4	0	0
	8/29/2018	<4	<4	<4	<4	<4	12	0.39
	11/19/2018	<1	<1	<1	<1	<1	0	0
	3/14/2019	<1	<1	<1	<1	<1	0	0.39
	5/29/2019	<1	<1	<1	<1	<1	0	0
	9/10/2019	<1	<1	<1	<1	<1	0	0
	11/19/2019	<2	<2	<2	<2	<2	0	0
	3/16/2020	<2	<2	<2	<2	<2	7.5 J	0
	5/27/2020	<2	<2	<2	<2	<2	0	0.57 BJ
	8/11/2020	<2	<2	<2	<2	<2	0	0.78 J
	11/5/2020	<2	<2	<2	<2	<2	0	0
	3/9/2021	<2 (<2)	<2 (<2)	<2 (<2)	<2 (<2)	<2 (<2)	0	0.41J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E07 (Well Decommissioned 5/25/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	34.51
	6/28/2012	<1	<1	<1	<1	<1	0	77.27
	9/11/2012	<1	<1	<1	<1	<1	0	45.95
	11/27/2012	<1	<1	<1	<1	<1	0	45.02
	3/25/2013	<1	<1	<1	<1	<1	0	79.22
	6/3/2013	<1	<1	<1	<1	<1	0	26.08
	9/10/2013	<1	<1	<1	<1	<1	0	54.73
	11/27/2013	<1	<1	<1	<1	<1	0	25.6
	3/25/2014	<1	<1	<1	<1	<1	0	33.1
	6/24/2014	<1	<1	<1	<1	<1	3.1	10.73
	9/10/2014	<1	<1	<1	<1	<1	0	40.1
	11/11/2014	<1	<1	<1	<1	<1	0	37.79
	4/1/2015	<1	<1	<1	<1	<1	0	69.73
	6/23/2015	<1	<1	<1	<1	<1	0	31.42
	9/9/2015	<1	<1	<1	<1	<1	3.3	66.36
	11/4/2015	<1	<1	<1	<1	<1	0	39.88
	3/16/2016	<1	<1	<1	<1	<1	0	72.24
	5/31/2016	<1	<1	<1	<1	<1	3.8	24.23
	9/13/2016	<1	<1	<1	<1	<1	0	10.16
	11/8/2016	<1	<1	<1	<1	<1	0	20.11
	3/28/2017	<1	<1	<1	<1	<1	0	32.31
	6/8/2017	<1	<1	<1	<1	<1	0	44.07
	8/15/2017	<1	<1	<1	<1	<1	0	34.31
	11/14/2017	<1	<1	<1	<1	<1	0	49.18
	3/13/2018	<1	<1	<1	<1	<1	0	77.15
	6/7/2018	<2	<2	<2	<2	<2	6.1	46.81
	8/29/2018	<1	<1	<1	<1	<1	0	37.66
	11/19/2018	<1	<1	<1	<1	<1	0	69.17
	3/14/2019	<1	<1	<1	<1	<1	0	90.42
	5/29/2019	<1	<1	<1	<1	<1	0	46.71
	9/10/2019	<2	<2	<2	<2	<2	0	33.99
	11/19/2019	<2	<2	<2	<2	<2	0	56.31
	3/16/2020	<2	<2	<2	<2	<2	0	70.98
	5/27/2020	<2	<2	<2	<2	1.6 J	1.6	44.19
	8/11/2020	<2	<2	<2	<2	<2	0	40.05
	11/5/2020	<2	<2	<2	<2	<2	0	26.2J
	3/9/2021	<1	<1	<1	<1	<1	0	34.34J

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
MW-E08 (Well Decommissioned 5/26/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/5/2013	<4	<4	<4	<4	<4	3.3	0
	6/26/2014	<1	<1	<1	<1	<1	0	0
	6/16/2015	<1	<1	<1	<1	<1	0	0.26
	6/15/2016	<1	<1	<1	<1	<1	0	0
	6/12/2017	<1	<1	<1	<1	<1	0.37	0
	6/13/2018	<1	<1	<1	<1	<1	0	0.33
	6/4/2019	<1	<1	<1	<1	<1	0	0.57
	5/21/2020	<2	<2	<2	<2	<2	0	1.5 BJ
MW-E09 (Well Decommissioned 5/26/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/6/2013	<1	<1	<1	<1	<1	0	0
	6/26/2014	<1	<1	<1	<1	<1	0	0
	6/16/2015	<1	<1	<1	<1	<1	0	0.27
	6/15/2016	<1	1	<1	<1	<1	1	0
	6/12/2017	<1	<1	<1	<1	<1	0.22	0
	6/13/2018	<2	<2	<2	<2	<2	0	0.31
	6/4/2019	<1	<1	<1	<1	<1	0	0.61
	5/21/2020	<1	<1	<1	<1	<1	0	1.4 BJ
MW-E10 (Well Decommissioned 5/26/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<5	<5	<5	<5	<5	0	1.9
	6/6/2013	<1	<1	<1	<1	<1	3.4	2.47
	6/26/2014	<1	<1	<1	<1	<1	6.3	0
	6/16/2015	<1	<1	<1	<1	<1	6.9	0
	6/15/2016	<1	<1	<1	<1	<1	4.4	0
	6/12/2017	<1	<1	<1	<1	<1	3.7	0
	6/13/2018	<5	<5	<5	<5	<5	0	0
	6/4/2019	<1	<1	<1	<1	<1	0	0
	5/21/2020	Well Damaged. No Sample Collected						
ICM-PZ-02S (Well Decommissioned 5/25/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/5/2013	<4	<4	<4	<4	<4	0	3.4
	6/26/2014	<1	<1	<1	<1	<1	5.4	0
	6/16/2015	<1	<1	<1	<1	<1	3.6	0
	6/15/2016	<1	<1	<1	<1	<1	3.6	0
	6/12/2017	<1	<1	<1	<1	<1	3.4	0
	6/12/2018	<5	<5	<5	<5	<5	0	0
	8/29/2018	<1	<1	<1	<1	<1	0	0
	5/21/2020	<1	<1	<1	<1	<1	0	0

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

		1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Benzene	Chlorobenzene	Total TCL VOCs	Total TCL SVOCs
Class GA Standard**		3	3	3	1	5	--	--
ICM-PZ-03S (Well Decommissioned 5/25/2021)		Not Sampled						
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	3.8	0
	6/5/2013	<4	<4	<4	<4	<4	0	2.9
	6/26/2014	<1	<1	<1	<1	<1	5	6.7
	6/16/2015	<1	<1	<1	<1	<1	3.5	0
	6/15/2016	<1	<1	<1	<1	<1	0	0
	6/12/2017	<1	<1	<1	<1	<1	4	0
	6/12/2018	<5	<5	<5	<5	<5	0	0
	6/3/2019	<1	<1	<1	<1	<1	0	0
	5/21/2020	<1	<1	<1	<1	<1	0	0
RFI-PZ-17 (Well Decommissioned 5/26/2021)	11/20/2009	<5	<5	<5	<5	<5	0	2.8
	10/10 - 1/11	ORC-A Application						
	3/30/2012	<1	<1	<1	<1	<1	0	0
	6/5/2013	<4	<4	<4	<4	<4	0	0
	6/26/2014	<1	<1	<1	<1	<1	4.1	0.5
	6/16/2015	<1	<1	<1	<1	<1	0	0
	6/15/2016	<1	<1	<1	<1	<1	4.5	0
	6/12/2017	<1	<1	<1	<1	<1	0	0
	6/13/2018	<4	<4	<4	<4	<4	0	0
	6/3/2019	<1	<1	<1	<1	<1	0	0
	5/21/2020	<1	<1	<1	<1	<1	0	0

** - 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.

Blue cells indicate groundwater monitoring events completed prior to the applicaion of ORC-A.

Table 1A
Groundwater Data Summary Metals
2021-2022 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4 J	-	-
	11/19/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020	<0.0050	<0.010
	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
	3/9/20201	<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**
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
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53 J	<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
	3/9/20201	<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

Table 1A
Groundwater Data Summary Metals
2021-2022 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
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1 J	<0.0050	0.0025J
	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	0.014B
	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
	3/9/20201	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
	8/9/20201	<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
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**
	3/9/20201	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**
	8/9/20201	<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**

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

J - Result is estimated; B = analyte found in blank.

Results are shown in mg/L. Bold values indicate a non-estimated detection. Yellow highlighted values exceed Class GA standard shown. Results from a field duplicate are shown in row beneath the primary sample result.

"-" = No data available

"<" = analyte not detected at reporting limit shown

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 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, AMINOBENZENE)	ACETOPHENONE	4-CHLOROANILINE	4-METHYLPHENOL
		Class GA Standard (ug/L):	5	NA	5	NA	20	5	NA	5	NA
R-11	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
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
RFI-32A	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
RFI-33	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
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E03	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND
	Q1 2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	PHENOL	2-METHYLPHENOL	ACENAPHTHYLENE	ANTHRACENE	BIPHENYL (DIPHENYL)	CARBAZOLE	DIBENZOFURAN	FLUORANTHENE	FLUORENE	NAPHTHALENE	PHENANTHRENE	PYRENE
		Class GA Standard (ug/L):	1	NA	NA	50	NA	NA	NA	50	50	10	50	50
R-11	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 BJ	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RFI-29	5/27/2020		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
	11/4/2020		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
	5/24/2021		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
	3/16/2022		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
	8/17/2022		ND	ND	ND	ND	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
	5/27/2020		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
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		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
	8/17/2022		4.4 J (5.6)	0.63 J	ND	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND
RFI-33	5/27/2020		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
	3/9/2021		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
MW-E03	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Q1 2020		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
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	0.52 BJ	ND	ND	0.9 BJ	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 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	CAPTROLACTAM	TOLUENE	TRICHLOROETHYLENE
		Class GA Standard (ug/L):	50	50	50	50	NA	5	60	NA	5	5
R-11	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND
RFI-29	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	0.62 J	0.27 J	0.46 J	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.4 J	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	0.53 BJ	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	0.4 J	ND	ND	1.7	2.3	ND	ND
	3/16/2022		ND	ND	ND	ND	ND	1 J	3	ND	ND	ND
	5/18/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RFI-32A	3/16/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	0.77 J	ND	0.47 BJ	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	8.6 J	ND	ND	ND	ND
	5/24/2021		6 J (5.9J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/17/2022		ND	ND	ND	ND	ND	ND	ND	2.2 J	390	73 J
RFI-33	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	1.0 J	ND	0.46 BJ	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND
MW-E03	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Q1 2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	0.48 BJ	ND	ND	ND	ND	ND	ND
	11/4/2020		ND	ND	ND	0.43 BJ	1.1 BJ	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 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, AMINOBENZENE)	ACETOPHENONE	4-CHLOROANILINE	4-METHYLPHENOL
		Class GA Standard (ug/L):	5	NA	5	NA	20	5	NA	5	NA
MW-E05	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	ND	ND	ND	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
	11/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E06	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2020		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
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E07	11/19/2020		ND	ND	1.4 J	ND	21	ND	ND	ND	ND
	3/16/2020		ND	ND	ND	ND	32	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	21	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	0.8 J	12	ND	ND	ND	ND
	11/5/2020		ND	ND	ND	ND	9.3	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	13	ND	ND	ND	ND
RFI-51	3/16/2020		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
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
RFI-PZ-16	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E08	5/21/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E09	5/21/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte:	PHENOL	2-METHYLPHENOL	ACENAPHTHYLENE	ANTHRACENE	BIPHENYL (DIPHENYL)	CARBAZOLE	DIBENZOFURAN	FLUORANTHENE	FLUORENE	NAPHTHALENE	PHENANTHRENE	PYRENE
		Class GA Standard (ug/L):	1	NA	NA	50	NA	NA	NA	50	50	10	50	50
MW-E05	5/27/2020		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
	3/9/2021		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
	8/9/2021		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
MW-E06	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2020		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	0.57 BJ	ND
	8/11/2020		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
MW-E07	11/19/2020		ND	ND	0.42 J	2.6 J	ND	0.49 J	6.3 J	4.3 J	16	ND	0.8 J	3 J
	3/16/2020		ND	ND	0.5 J	2 J	0.88 J	1.7 J	8.4 J	2.6 J	19	ND	2.1 J	1.8 J
	5/27/2020		ND	ND	0.4 J	0.86 J	ND	0.43 JT	4.3 J	3.9 J	10	ND	0.7 BJ	2.6 J
	8/11/2020		ND	ND	ND	2.1 J	ND	ND	2.6 J	5.6	9.5	3.1 J	ND	3.8 J
	11/5/2020		ND	ND	ND	1.4 J	ND	ND	2.7 J	3 BJ	7.8	ND	ND	2 J
	3/9/2021		ND	ND	ND	1.7 J	ND	0.44 J	3.4 J	3 J	9.8	ND	0.99 J	1.6 J
RFI-51	3/16/2020		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	0.45 BJ	ND
	8/11/2020		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
RFI-PZ-16	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45 BJ	ND
	8/12/2020		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
MW-E08	5/21/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 BJ	ND
MW-E09	5/21/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 BJ	ND

Table 1B
VOC/SVOC Non-Trend Groundwater Data Summary
2021-2022 PRR
Area E
Former Buffalo Color Corporation
Buffalo, New York

Well ID	Sample Date	Analyte: / Class GA Standard (ug/L):	ACETONE 50	2,4-DIMETHYLPHENOL 50	DIETHYL PHTHALATE 50	DI-N-BUTYL PHTHALATE 50	BENZYL BUTYL PHTHALATE NA	METHYLENE CHLORIDE 5	CARBON DISULFIDE 60	CAPTROLACTAM NA	TOLUENE 5	TRICHLOROETHYLENE 5
MW-E05	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	0.51 BJ	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND
	5/24/2021		ND	ND	ND	0.6 BJ	ND	ND	ND	ND	ND	ND
	8/9/2021		ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND
	11/9/2021		ND	ND	ND	0.4 BJ	ND	ND	ND	ND	ND	ND
MW-E06	Q4 2019		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2020		7.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	0.29 J	0.49 BJ	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND		ND	ND	ND	ND	ND	ND
MW-E07	11/19/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	0.55 BJ	ND	ND	ND	ND	ND	ND
	11/5/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RFI-51	3/16/2020		3.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/11/2020		ND	ND	ND	0.47 BJ	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND
RFI-PZ-16	5/27/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2020		ND	ND	ND	0.5 BJ	ND	ND	ND	ND	ND	ND
	3/9/2021		ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND
MW-E08	5/21/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-E09	5/21/2020		ND	ND	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

Table 2
Quarterly Inspection Summary
Area E

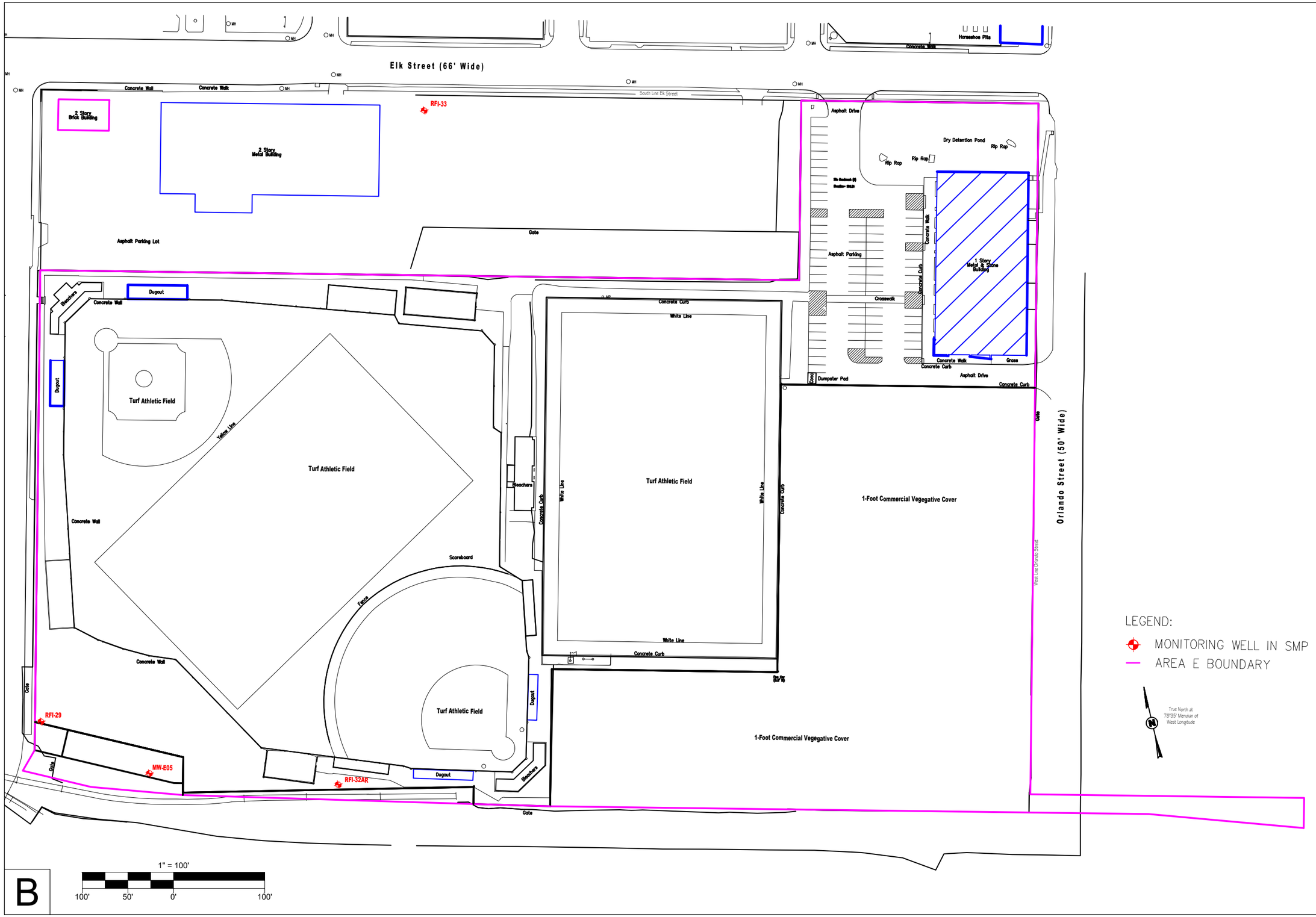
Area E Cover System & Site-Wide Compliance Inspection		Area E Additional Notes			Continued maintenance at ball fields.	
	Site-Wide Compliance (OK / Comment)	Area E Institutional Site Use Restrictions	OK	OK	OK	OK
		Area E O&M Schedule	OK	OK	OK	OK
		Area E Active Site Permits	None	None	None	None
		Area E Site Records	OK	OK	OK	OK
		Area E Groundwater Monitoring Program	OK	OK	OK	OK
	Cover System (OK / Comment)	Area E Storm Drainage System & Structures	OK	OK	OK	OK
		Area E Occupied Basement Slabs	None	None	None	None
		Area E Outdoor Paved Areas	Under construction	Under construction	OK	OK
		Area E Gravel Cover Integrity	Under construction	Under construction	OK	OK
		Area E Grass / Vegetation	Under construction	Under construction	OK	OK
		Area E Soil Cover Integrity	Construction continued	Construction continued	OK	OK
Pre-Inspection Data	Site Conditions	Standing Snow & Ice (LOW: 1" or less / MID: 1" to 12" / HI: 12" or more)	None	Low	None	low
		Ground Surface (Dry / Damp / Wet)	Damp	Damp	Damp	Wet
	Weather	Temperature Range (+/- 10 Deg F Range)	46	34	75	38f
		Wind (Calm / Moderate / Strong)	Moderate	Calm	Moderate	calm
		Lightning (Yes / No)	No	No	No	no
		Precipitation (None / Rain / Snow / Hail)	None	None	None	rain
		Cloud Cover (Clear / Pt. Cloudy / Overcast)	Clear	Clear	Pt. Cloudy	cloudy
		NYSDEC Invitation Extended (Yes / No / List Attendees)	No	No	No	no
		Associate(s)	Tom Wagner	Tom Wagner	Taylor Kunzelman	TK
		Date	Mon 12/13/2021	Thu 2/17/2022	Mon 5/30/2022	Wed 9/28/2022

Table 3
GW Measurement Logs
Area E
Former Buffalo Color Corporation

Sample Event Year	Sample Event Quarter	Well ID	Casing Elevation (ft. AMSL)	Comments	Water Level Measurement Date	Static Depth To Water (ft)	Groundwater Elevation (ft. AMSL)
2021	4Q	MW-E05	586.68		10/25/2021	4.70	581.98
2021	4Q	RFI-29	585.69		10/25/2021	4.97	580.72
2021	4Q	RFI-33	583.17		10/25/2021	0.06	583.11
2022	1Q	MW-E05	586.68		2/16/2022	5.08	581.60
2022	1Q	RFI-29	585.69		2/16/2022	5.18	580.51
2022	1Q	RFI-33	583.17		2/16/2022	3.32	579.85
2022	2Q	MW-E05	586.68		5/3/2022	5.02	581.66
2022	2Q	RFI-29	585.69		5/3/2022	5.28	580.41
2022	2Q	RFI-33	583.17		5/3/2022	2.76	580.41
2022	3Q	MW-E05	586.68		8/16/2022	5.95	580.73
2022	3Q	RFI-29	585.69		8/16/2022	5.49	580.20
2022	3Q	RFI-32AR	587.75	Casing elevation approximated from RFI-32A (abandoned). Well will be surveyed Q1 2023.	8/16/2022	5.63	582.12
2022	3Q	RFI-33	583.17		8/16/2022	3.58	579.59

Note: Monitoring well casing elevation based on September 2012 (MW-E05, RFI-29, RFI-33) and September 2014 (RFI-32A) surveys.

Figures



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SITE LAYOUT
BUFFALO COLOR AREA - E

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170

FIGURE 1

DRAWING NUMBER

Class GA Standard**		3	3	3	1	5	--	--
RFI-33 (Field Duplicate Results in Parenthetical)	8/9/2021	<1	<1	<1	<1	<1	0	0.53J
	11/9/2021	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	0 (0)	0 (0)
	3/16/2022	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	0 (0)	0 (0)
	5/18/2022	<1	<1	<1	<1	<1	0	0
	8/17/2022	<1	<1	<1	<1	<1	0	0

Class GA Standard**		3	3	3	1	5	--	--
RFI-29 (Field Duplicate Results in Parenthetical)	8/9/2021	2 (2.1)	<1 (<1)	3.2 (3.4)	<1 (<1)	7.7 (8.3)	14.6	2.7J
	11/9/2021	2.7	0.81 J	4.8	<1.0	14	22.31	0
	3/16/2022	3.8	<2.0	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	<1.0	3.2	0.9 J	24	30.8	10.5 J

Class GA Standard**		3	3	3	1	5	--	--
MW-E05 (Field Duplicate Results in Parenthetical)	8/9/2021	<1	<1	<1	<1	14	14	1.1J
	11/9/2021	<1.0	<1.0	<1.0	<1.0	5.1	5.1	0.4 BJ
	3/16/2022	<1.0	<1.0	<1.0	<1.0	1.5	1.5	0
	5/18/2022	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	11 (14)	11 (14)	0 (0)
	8/17/2022	<1.0	<1.0	1.1	9.2	1600	1610.3	0

Class GA Standard**		3	3	3	1	5	--	--
RFI-32A (Field Duplicate Results in Parenthetical)	8/17/2022	Q3 2021 through Q2 2022 - Well Abandoned for Relocation						
		730 (<2500)	120 (<2500)	1700 (<2500)	110 (<2500)	170000 (190000)	173123 (190000)	504.4 J (657.15 J)

Elk Street (66' Wide)
Orlando Street (50' Wide)
Concrete Wall
Concrete Walk
2 Story Brick Building
2 Story Metal Building
Asphalt Parking Lot
Gate
Dugout
Bleachers
Turf Athletic Field
Yellow Line
White Line
Concrete Curb
Scoreboard
Horseshoe Pits
Dry Detention Pond
Rip Rap
Asphalt Parking
Crosswalk
1 Story Metal & Stone Building
Grass
Asphalt Drive
Dumpster Pad
1-Foot Commercial Vegegative Cover
RFI-33
RFI-29
MW-E05
RFI-32AR
West line Orlando Street

LEGEND:
- MONITORING WELL IN SMP
- AREA E BOUNDARY

True North at 78°35' Meridian of West Longitude

1" = 100'
100' 50' 0' 100'

B

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2021-2022 PRR
GROUNDWATER DATA SUMMARY

BUFFALO COLOR AREA - E

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170

FIGURE 2

DRAWING NUMBER

PS-05A
584.34

Area-C

MW-C04
582.64

RFI-33
583.11

RFI-31A
579.49

Area-E

RFI-29
580.72

RFI-19D
574.36

RFI-18
580.13

MW-E05
581.98

RFI-32

578
579
580
582
581

N

B

1" = 125'

125' 75' 0' 125'

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

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FOURTH QUARTER 2021
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-E

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FIGURE 3

DRAWING NUMBER

583.61

Area-C

MW-C04
582.5

RFI-31A
579.37

RFI-33
579.85

Area-E

RFI-29
580.51

RFI-18
580.17

RFI-19
574.11

MW-E05
581.6

RFI-32

576
577
578
579
580
581

N

1" = 125'

125' 75' 0' 125'

B

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 2022
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-E

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FIGURE 4

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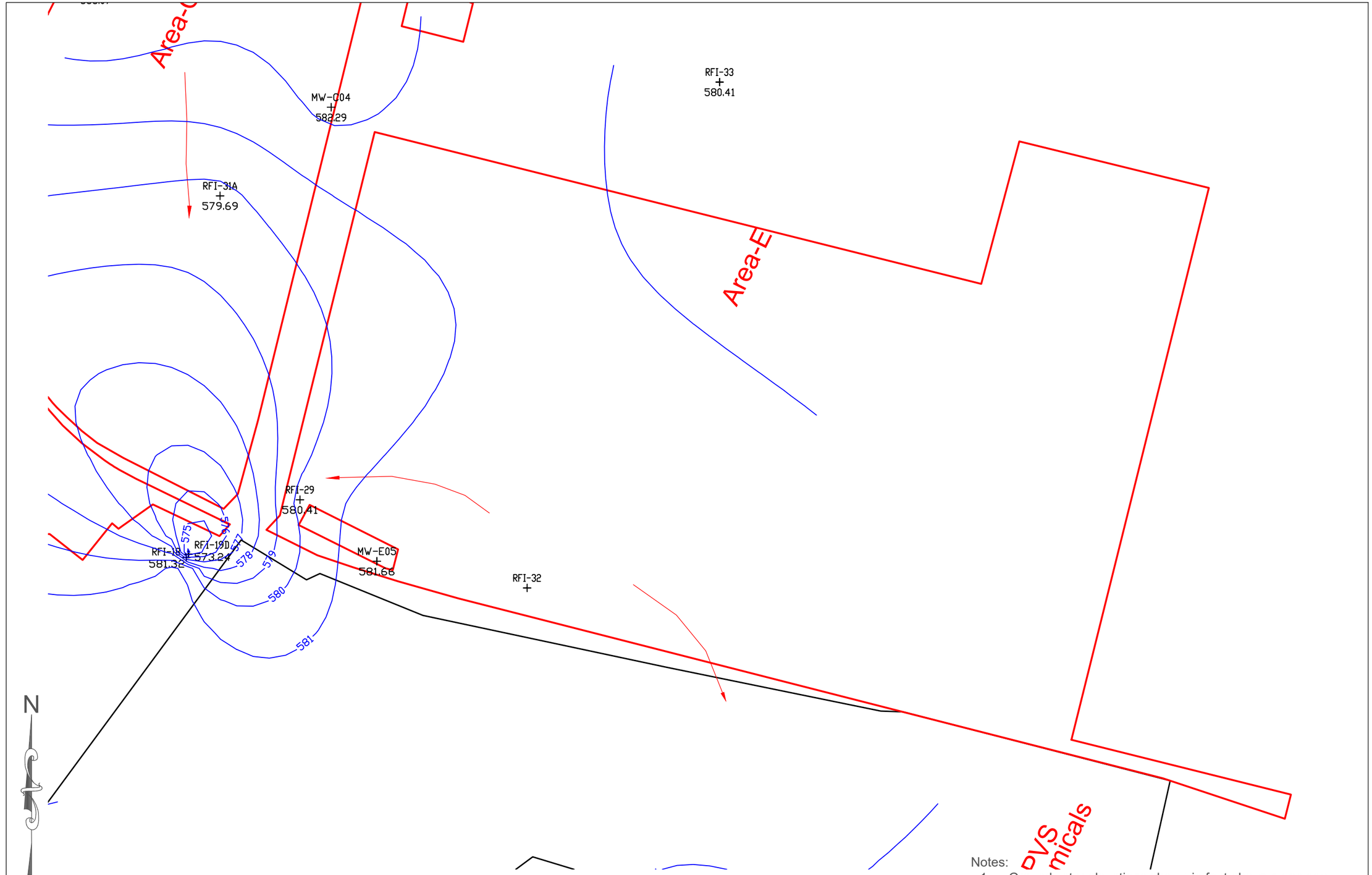

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SECOND QUARTER 2022
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-E

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FIGURE 5

DRAWING NUMBER

582.02

Area-C

MW-C04
581.85

RFI-31A
579.43

RFI-33
579.59

Area-E

RFI-29
580.20

See Note 3

RFI-18
580.27

RFI-19D
573.36

MW-E05
580.73

RFI-32AR
582.12

575
576
577
578
579
580
581

N

B

1" = 125'

125' 75' 0' 125'

Notes:
1. Groundwater elevations shown in feet above mean sea level.
2. General groundwater flow path indicated by red arrows.
3. Groundwater elevation approximated from measured static water level at RFI-32AR and casing elevation from previously abandoned RFI-32A. RFI-32AR will be surveyed in Q1 2023.

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THIRD QUARTER 2022
GROUNDWATER ELEVATION CONTOURS
BUFFALO COLOR AREA-E

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FIGURE 6

DRAWING NUMBER

Appendices

Appendix A – Analytical Data

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-200801-1
Client Project/Site: Buffalo Color Area E Wells
Sampling Event: Buffalo Color Area E Wells

For:
Ontario Specialty Contracting, Inc.
140 Lee St.
Buffalo, New York 14210

Attn: Kirsten Colligan

Authorized for release by:
8/30/2022 4:34:43 PM
Rebecca Jones, Project Management Assistant I
(716)504-9884
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

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Definitions/Glossary

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

Job ID: 480-200801-1

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
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.
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, 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.
¤	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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-200801-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-200801-1

Comments
No additional comments.

Receipt
The samples were received on 8/17/2022 3:00 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 3.6º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area E RFI-32A_0822 (480-200801-4), BCC Area E RFI-32A MS_0822 (480-200801-4[MS]) and BCC Area E RFI-32A MSD_0822 (480-200801-4[MSD]). 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 D_0822 (480-200801-1), BCC Area E MW-E05_0822 (480-200801-2), BCC Area E RFI-32A_0822 (480-200801-4), BCC Area E RFI-32A MS_0822 (480-200801-4[MS]) and BCC Area E RFI-32A MSD_0822 (480-200801-4[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: 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 RFI-32A_0822 (480-200801-4). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-638615 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 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 following samples were diluted due to color, appearance, and viscosity: BCC Area E RFI-32A_0822 (480-200801-4), BCC Area E RFI-32A MS_0822 (480-200801-4[MS]) and BCC Area E RFI-32A MSD_0822 (480-200801-4[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area E D_0822 (480-200801-1), BCC Area E RFI-32A_0822 (480-200801-4), BCC Area E RFI-32A MS_0822 (480-200801-4[MS]) and BCC Area E RFI-32A MSD_0822 (480-200801-4[MSD]). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the abundance of target analytes: BCC Area E D_0822 (480-200801-1) and BCC Area E RFI-32A_0822 (480-200801-4). 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 following samples were diluted due to the abundance of target analytes: BCC Area E RFI-32A MS_0822 (480-200801-4[MS]) and BCC Area E RFI-32A MSD_0822 (480-200801-4[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
Method 6010C: The low level continuing calibration verification (CCVL 480-639268/40) recovered above the upper control limits for Total Manganese and Sodium. The sample 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 BCC Area E RFI-33_0822 (480-200801-5) was not performed.

Method 7470A: The results reported for the following sample do not concur with results previously reported for this site: BCC Area E

Job ID: 480-200801-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

MW-E05_0822 (480-200801-2). Reanalysis was performed, and the result(s) confirmed.

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: 480-200801-1

Client Sample ID: BCC Area E D_0822 — Lab Sample ID: 480-200801-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	190000		2500	1900	ug/L	2500		8260C	Total/NA
2,4-Dichlorophenol	1.8	J	5.0	0.51	ug/L	1		8270D	Total/NA
2-Methylphenol	0.63	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	0.42	J	10	0.36	ug/L	1		8270D	Total/NA
Acetophenone	2.1	J	5.0	0.54	ug/L	1		8270D	Total/NA
Caprolactam	2.2	J	5.0	2.2	ug/L	1		8270D	Total/NA
Naphthalene	4.4	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenol	5.6		5.0	0.39	ug/L	1		8270D	Total/NA
2-Chlorophenol - DL	640		100	11	ug/L	20		8270D	Total/NA
Aluminum	0.13	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.040		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	271		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0012	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	0.0056	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.92		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	87.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.66	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0094	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.3	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	126	B	1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0053	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E MW-E05_0822 — Lab Sample ID: 480-200801-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.1		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	9.2		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene - DL	1600		20	15	ug/L	20		8260C	Total/NA
Aluminum	7.0		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.021		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.075		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.00048	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.012		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	150		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.010		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.039		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.34		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	8.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.17		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	18.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.83	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.022		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	5.6	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	32.2	B	1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.015		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	2.5	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.00013	J	0.00020	0.000043	mg/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-29_0822 — Lab Sample ID: 480-200801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.7		1.0	0.79	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	3.2		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	0.90	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	24		1.0	0.75	ug/L	1		8260C	Total/NA
4-Chloroaniline	7.7		5.0	0.59	ug/L	1		8270D	Total/NA
4-Methylphenol	1.4	J	10	0.36	ug/L	1		8270D	Total/NA
Aniline	1.4	J	10	0.61	ug/L	1		8270D	Total/NA
Barium	0.075		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	196		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0032	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.77		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	28.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.21	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	12.0	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	124	B	1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.016	B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-32A_0822 — Lab Sample ID: 480-200801-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	730		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	120		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	1700	F1	100	84	ug/L	100		8260C	Total/NA
Benzene	110		100	41	ug/L	100		8260C	Total/NA
Toluene	390		100	51	ug/L	100		8260C	Total/NA
Trichloroethene	73	J	100	46	ug/L	100		8260C	Total/NA
Chlorobenzene - DL	170000		4000	3000	ug/L	4000		8260C	Total/NA
Phenol	4.4	J	25	2.0	ug/L	5		8270D	Total/NA
2-Chlorophenol - DL	500		100	11	ug/L	20		8270D	Total/NA
Aluminum	0.075	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0057	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.041		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	284		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0041		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0016	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0069	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.5		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	90.9		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.66	B F1	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.023		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.7	B	0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	134	B	1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0069	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33_0822 — Lab Sample ID: 480-200801-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	3.6		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.076		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00073	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	113		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.022		0.0040	0.0010	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: 480-200801-1

Client Sample ID: BCC Area E RFI-33_0822 (Continued) — Lab Sample ID: 480-200801-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.0021	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.025		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	3.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.011		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	13.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.26		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.042		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	64.0		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0090		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.023		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-200801-6

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E D_0822
Date Collected: 08/17/22 12:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500	2100	ug/L			08/19/22 20:57	2500
1,1,2,2-Tetrachloroethane	ND		2500	530	ug/L			08/19/22 20:57	2500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	780	ug/L			08/19/22 20:57	2500
1,1,2-Trichloroethane	ND		2500	580	ug/L			08/19/22 20:57	2500
1,1-Dichloroethane	ND		2500	950	ug/L			08/19/22 20:57	2500
1,1-Dichloroethene	ND		2500	730	ug/L			08/19/22 20:57	2500
1,2,4-Trichlorobenzene	ND		2500	1000	ug/L			08/19/22 20:57	2500
1,2-Dibromo-3-Chloropropane	ND		2500	980	ug/L			08/19/22 20:57	2500
1,2-Dibromoethane	ND		2500	1800	ug/L			08/19/22 20:57	2500
1,2-Dichlorobenzene	ND		2500	2000	ug/L			08/19/22 20:57	2500
1,2-Dichloroethane	ND		2500	530	ug/L			08/19/22 20:57	2500
1,2-Dichloropropane	ND		2500	1800	ug/L			08/19/22 20:57	2500
1,3-Dichlorobenzene	ND		2500	2000	ug/L			08/19/22 20:57	2500
1,4-Dichlorobenzene	ND		2500	2100	ug/L			08/19/22 20:57	2500
2-Butanone (MEK)	ND		25000	3300	ug/L			08/19/22 20:57	2500
2-Hexanone	ND		13000	3100	ug/L			08/19/22 20:57	2500
4-Methyl-2-pentanone (MIBK)	ND		13000	5300	ug/L			08/19/22 20:57	2500
Acetone	ND		25000	7500	ug/L			08/19/22 20:57	2500
Benzene	ND		2500	1000	ug/L			08/19/22 20:57	2500
Bromodichloromethane	ND		2500	980	ug/L			08/19/22 20:57	2500
Bromoform	ND		2500	650	ug/L			08/19/22 20:57	2500
Bromomethane	ND		2500	1700	ug/L			08/19/22 20:57	2500
Carbon disulfide	ND		2500	480	ug/L			08/19/22 20:57	2500
Carbon tetrachloride	ND		2500	680	ug/L			08/19/22 20:57	2500
Chlorobenzene	**190000**		2500	1900	ug/L			08/19/22 20:57	2500
Chloroethane	ND		2500	800	ug/L			08/19/22 20:57	2500
Chloroform	ND		2500	850	ug/L			08/19/22 20:57	2500
Chloromethane	ND		2500	880	ug/L			08/19/22 20:57	2500
cis-1,2-Dichloroethene	ND		2500	2000	ug/L			08/19/22 20:57	2500
cis-1,3-Dichloropropene	ND		2500	900	ug/L			08/19/22 20:57	2500
Cyclohexane	ND		2500	450	ug/L			08/19/22 20:57	2500
Dibromochloromethane	ND		2500	800	ug/L			08/19/22 20:57	2500
Dichlorodifluoromethane	ND		2500	1700	ug/L			08/19/22 20:57	2500
Ethylbenzene	ND		2500	1900	ug/L			08/19/22 20:57	2500
Isopropylbenzene	ND		2500	2000	ug/L			08/19/22 20:57	2500
Methyl acetate	ND		6300	3300	ug/L			08/19/22 20:57	2500
Methyl tert-butyl ether	ND		2500	400	ug/L			08/19/22 20:57	2500
Methylcyclohexane	ND		2500	400	ug/L			08/19/22 20:57	2500
Methylene Chloride	ND		2500	1100	ug/L			08/19/22 20:57	2500
Styrene	ND		2500	1800	ug/L			08/19/22 20:57	2500
Tetrachloroethene	ND		2500	900	ug/L			08/19/22 20:57	2500
Toluene	ND		2500	1300	ug/L			08/19/22 20:57	2500
trans-1,2-Dichloroethene	ND		2500	2300	ug/L			08/19/22 20:57	2500
trans-1,3-Dichloropropene	ND		2500	930	ug/L			08/19/22 20:57	2500
Trichloroethene	ND		2500	1200	ug/L			08/19/22 20:57	2500
Trichlorofluoromethane	ND		2500	2200	ug/L			08/19/22 20:57	2500
Vinyl chloride	ND		2500	2300	ug/L			08/19/22 20:57	2500
Xylenes, Total	ND		5000	1700	ug/L			08/19/22 20:57	2500

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E D_0822
Date Collected: 08/17/22 12:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-1
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/19/22 20:57	2500
4-Bromofluorobenzene (Surr)	102		73 - 120		08/19/22 20:57	2500
Toluene-d8 (Surr)	99		80 - 120		08/19/22 20:57	2500
Dibromofluoromethane (Surr)	106		75 - 123		08/19/22 20:57	2500

Method: 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		08/22/22 08:19	08/23/22 20:11	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/22/22 08:19	08/23/22 20:11	1
2,4-Dichlorophenol	**1.8**	**J**	5.0	0.51	ug/L		08/22/22 08:19	08/23/22 20:11	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/22/22 08:19	08/23/22 20:11	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 20:11	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 20:11	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 20:11	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/22/22 08:19	08/23/22 20:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/22/22 08:19	08/23/22 20:11	1
2-Methylphenol	**0.63**	**J**	5.0	0.40	ug/L		08/22/22 08:19	08/23/22 20:11	1
2-Nitroaniline	ND		10	0.42	ug/L		08/22/22 08:19	08/23/22 20:11	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/23/22 20:11	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 20:11	1
3-Nitroaniline	ND		10	0.48	ug/L		08/22/22 08:19	08/23/22 20:11	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Methylphenol	**0.42**	**J**	10	0.36	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Nitroaniline	ND		10	0.25	ug/L		08/22/22 08:19	08/23/22 20:11	1
4-Nitrophenol	ND		10	1.5	ug/L		08/22/22 08:19	08/23/22 20:11	1
Acenaphthene	ND		5.0	0.41	ug/L		08/22/22 08:19	08/23/22 20:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/22/22 08:19	08/23/22 20:11	1
Acetophenone	**2.1**	**J**	5.0	0.54	ug/L		08/22/22 08:19	08/23/22 20:11	1
Aniline	ND		10	0.61	ug/L		08/22/22 08:19	08/23/22 20:11	1
Anthracene	ND		5.0	0.28	ug/L		08/22/22 08:19	08/23/22 20:11	1
Atrazine	ND		5.0	0.46	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 20:11	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		08/22/22 08:19	08/23/22 20:11	1
Biphenyl	ND		5.0	0.65	ug/L		08/22/22 08:19	08/23/22 20:11	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/22/22 08:19	08/23/22 20:11	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 20:11	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 20:11	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/22/22 08:19	08/23/22 20:11	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/22/22 08:19	08/23/22 20:11	1
Caprolactam	**2.2**	**J**	5.0	2.2	ug/L		08/22/22 08:19	08/23/22 20:11	1
Carbazole	ND		5.0	0.30	ug/L		08/22/22 08:19	08/23/22 20:11	1
Chrysene	ND		5.0	0.33	ug/L		08/22/22 08:19	08/23/22 20:11	1

Client Sample ID: BCC Area E D_0822

Date Collected: 08/17/22 12:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/22/22 08:19	08/23/22 20:11	1
Dibenzofuran	ND		10	0.51	ug/L		08/22/22 08:19	08/23/22 20:11	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/22/22 08:19	08/23/22 20:11	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 20:11	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/22/22 08:19	08/23/22 20:11	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 20:11	1
Fluoranthene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 20:11	1
Fluorene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 20:11	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/22/22 08:19	08/23/22 20:11	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/22/22 08:19	08/23/22 20:11	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 20:11	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 20:11	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 20:11	1
Isophorone	ND		5.0	0.43	ug/L		08/22/22 08:19	08/23/22 20:11	1
Naphthalene	**4.4**	**J**	5.0	0.76	ug/L		08/22/22 08:19	08/23/22 20:11	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/22/22 08:19	08/23/22 20:11	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/22/22 08:19	08/23/22 20:11	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/22/22 08:19	08/23/22 20:11	1
Pentachlorophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 20:11	1
Phenanthrene	ND		5.0	0.44	ug/L		08/22/22 08:19	08/23/22 20:11	1
Phenol	**5.6**		5.0	0.39	ug/L		08/22/22 08:19	08/23/22 20:11	1
Pyrene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/23/22 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*08/22/22 08:19*	*08/23/22 20:11*	*1*
2-Fluorobiphenyl	*71*		*48 - 120*	*08/22/22 08:19*	*08/23/22 20:11*	*1*
2-Fluorophenol	*53*		*35 - 120*	*08/22/22 08:19*	*08/23/22 20:11*	*1*
Nitrobenzene-d5	*68*		*46 - 120*	*08/22/22 08:19*	*08/23/22 20:11*	*1*
Phenol-d5	*40*		*22 - 120*	*08/22/22 08:19*	*08/23/22 20:11*	*1*
p-Terphenyl-d14	*64*		*60 - 148*	*08/22/22 08:19*	*08/23/22 20:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	**640**		100	11	ug/L		08/22/22 08:19	08/25/22 04:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*08/22/22 08:19*	*08/25/22 04:50*	*20*
2-Fluorobiphenyl	*58*		*48 - 120*	*08/22/22 08:19*	*08/25/22 04:50*	*20*
2-Fluorophenol	*51*		*35 - 120*	*08/22/22 08:19*	*08/25/22 04:50*	*20*
Nitrobenzene-d5	*61*		*46 - 120*	*08/22/22 08:19*	*08/25/22 04:50*	*20*
Phenol-d5	*38*		*22 - 120*	*08/22/22 08:19*	*08/25/22 04:50*	*20*
p-Terphenyl-d14	*64*		*60 - 148*	*08/22/22 08:19*	*08/25/22 04:50*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.13**	**J**	0.20	0.060	mg/L		08/23/22 09:42	08/24/22 19:08	1
Antimony	ND		0.020	0.0068	mg/L		08/23/22 09:42	08/24/22 19:08	1
Arsenic	ND		0.015	0.0056	mg/L		08/23/22 09:42	08/24/22 19:08	1
Barium	**0.040**		0.0020	0.00070	mg/L		08/23/22 09:42	08/24/22 19:08	1
Beryllium	ND		0.0020	0.00030	mg/L		08/23/22 09:42	08/24/22 19:08	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E D_0822

Date Collected: 08/17/22 12:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		08/23/22 09:42	08/24/22 19:08	1
Calcium	**271**		0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:08	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		08/23/22 09:42	08/24/22 19:08	1
Cobalt	**0.0019**	**J**	0.0040	0.00063	mg/L		08/23/22 09:42	08/24/22 19:08	1
Copper	**0.0056**	**J**	0.010	0.0016	mg/L		08/23/22 09:42	08/24/22 19:08	1
Iron	**0.92**		0.050	0.019	mg/L		08/23/22 09:42	08/24/22 19:08	1
Lead	ND		0.010	0.0030	mg/L		08/23/22 09:42	08/24/22 19:08	1
Magnesium	**87.8**		0.20	0.043	mg/L		08/23/22 09:42	08/24/22 19:08	1
Manganese	**0.66**	**B**	0.0030	0.00040	mg/L		08/23/22 09:42	08/24/22 19:08	1
Nickel	**0.0094**	**J**	0.010	0.0013	mg/L		08/23/22 09:42	08/24/22 19:08	1
Potassium	**4.3**	**B**	0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:08	1
Selenium	ND		0.025	0.0087	mg/L		08/23/22 09:42	08/24/22 19:08	1
Silver	ND		0.0060	0.0017	mg/L		08/23/22 09:42	08/24/22 19:08	1
Sodium	**126**	**B**	1.0	0.32	mg/L		08/23/22 09:42	08/24/22 19:08	1
Thallium	ND		0.020	0.010	mg/L		08/23/22 09:42	08/24/22 19:08	1
Vanadium	ND		0.0050	0.0015	mg/L		08/23/22 09:42	08/24/22 19:08	1
Zinc	**0.0053**	**J B**	0.010	0.0015	mg/L		08/23/22 09:42	08/24/22 19:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/21/22 15:40	08/22/22 09:32	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E MW-E05_0822

Lab Sample ID: 480-200801-2

Date Collected: 08/17/22 11:35
Date Received: 08/17/22 15:00

Matrix: Ground Water

Method: 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			08/19/22 06:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/22 06:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/22 06:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/22 06:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/22 06:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/22 06:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/22 06:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/22 06:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/22 06:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/22 06:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/22 06:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/22 06:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/22 06:33	1
1,4-Dichlorobenzene	**1.1**		1.0	0.84	ug/L			08/19/22 06:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/22 06:33	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/22 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/22 06:33	1
Acetone	ND		10	3.0	ug/L			08/19/22 06:33	1
Benzene	**9.2**		1.0	0.41	ug/L			08/19/22 06:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/22 06:33	1
Bromoform	ND		1.0	0.26	ug/L			08/19/22 06:33	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/22 06:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/22 06:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/22 06:33	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/22 06:33	1
Chloroform	ND		1.0	0.34	ug/L			08/19/22 06:33	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/22 06:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/22 06:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/22 06:33	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/22 06:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/22 06:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/22 06:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/22 06:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/22 06:33	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/22 06:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/22 06:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/22 06:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/22 06:33	1
Styrene	ND		1.0	0.73	ug/L			08/19/22 06:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/22 06:33	1
Toluene	ND		1.0	0.51	ug/L			08/19/22 06:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/22 06:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/22 06:33	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/22 06:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/22 06:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/22 06:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/22 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/19/22 06:33*	*1*

Client Sample ID: BCC Area E MW-E05_0822

Date Collected: 08/17/22 11:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-2

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/19/22 06:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/22 06:33*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/19/22 06:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**1600**		20	15	ug/L			08/19/22 13:43	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*08/19/22 13:43*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/22 13:43*	*20*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/22 13:43*	*20*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/19/22 13:43*	*20*

Method: 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		08/22/22 08:19	08/25/22 07:34	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/22/22 08:19	08/25/22 07:34	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 07:34	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/22/22 08:19	08/25/22 07:34	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 07:34	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 07:34	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Nitroaniline	ND		10	0.42	ug/L		08/22/22 08:19	08/25/22 07:34	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/25/22 07:34	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 07:34	1
3-Nitroaniline	ND		10	0.48	ug/L		08/22/22 08:19	08/25/22 07:34	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Methylphenol	ND		10	0.36	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Nitroaniline	ND		10	0.25	ug/L		08/22/22 08:19	08/25/22 07:34	1
4-Nitrophenol	ND		10	1.5	ug/L		08/22/22 08:19	08/25/22 07:34	1
Acenaphthene	ND		5.0	0.41	ug/L		08/22/22 08:19	08/25/22 07:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/22/22 08:19	08/25/22 07:34	1
Acetophenone	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 07:34	1
Aniline	ND		10	0.61	ug/L		08/22/22 08:19	08/25/22 07:34	1
Anthracene	ND		5.0	0.28	ug/L		08/22/22 08:19	08/25/22 07:34	1
Atrazine	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 07:34	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/22/22 08:19	08/25/22 07:34	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 07:34	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 07:34	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 07:34	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 07:34	1

Client Sample ID: BCC Area E MW-E05_0822

Lab Sample ID: 480-200801-2

Date Collected: 08/17/22 11:35

Matrix: Ground Water

Date Received: 08/17/22 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		08/22/22 08:19	08/25/22 07:34	1
Biphenyl	ND		5.0	0.65	ug/L		08/22/22 08:19	08/25/22 07:34	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/22/22 08:19	08/25/22 07:34	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 07:34	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 07:34	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 07:34	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/22/22 08:19	08/25/22 07:34	1
Caprolactam	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 07:34	1
Carbazole	ND		5.0	0.30	ug/L		08/22/22 08:19	08/25/22 07:34	1
Chrysene	ND		5.0	0.33	ug/L		08/22/22 08:19	08/25/22 07:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/22/22 08:19	08/25/22 07:34	1
Dibenzofuran	ND		10	0.51	ug/L		08/22/22 08:19	08/25/22 07:34	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/22/22 08:19	08/25/22 07:34	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 07:34	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/22/22 08:19	08/25/22 07:34	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 07:34	1
Fluoranthene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 07:34	1
Fluorene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 07:34	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 07:34	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/22/22 08:19	08/25/22 07:34	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 07:34	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 07:34	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 07:34	1
Isophorone	ND		5.0	0.43	ug/L		08/22/22 08:19	08/25/22 07:34	1
Naphthalene	ND		5.0	0.76	ug/L		08/22/22 08:19	08/25/22 07:34	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/22/22 08:19	08/25/22 07:34	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 07:34	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 07:34	1
Pentachlorophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 07:34	1
Phenanthrene	ND		5.0	0.44	ug/L		08/22/22 08:19	08/25/22 07:34	1
Phenol	ND		5.0	0.39	ug/L		08/22/22 08:19	08/25/22 07:34	1
Pyrene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*41 - 120*	*08/22/22 08:19*	*08/25/22 07:34*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*08/22/22 08:19*	*08/25/22 07:34*	*1*
2-Fluorophenol	*60*		*35 - 120*	*08/22/22 08:19*	*08/25/22 07:34*	*1*
Nitrobenzene-d5	*78*		*46 - 120*	*08/22/22 08:19*	*08/25/22 07:34*	*1*
Phenol-d5	*44*		*22 - 120*	*08/22/22 08:19*	*08/25/22 07:34*	*1*
p-Terphenyl-d14	*68*		*60 - 148*	*08/22/22 08:19*	*08/25/22 07:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.0**		0.20	0.060	mg/L		08/23/22 09:42	08/24/22 19:12	1
Antimony	ND		0.020	0.0068	mg/L		08/23/22 09:42	08/24/22 19:12	1
Arsenic	**0.021**		0.015	0.0056	mg/L		08/23/22 09:42	08/24/22 19:12	1
Barium	**0.075**		0.0020	0.00070	mg/L		08/23/22 09:42	08/24/22 19:12	1
Beryllium	**0.00048**	**J**	0.0020	0.00030	mg/L		08/23/22 09:42	08/24/22 19:12	1
Cadmium	**0.012**		0.0020	0.00050	mg/L		08/23/22 09:42	08/24/22 19:12	1
Calcium	**150**		0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:12	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E MW-E05_0822
Date Collected: 08/17/22 11:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.010		0.0040	0.0010	mg/L		08/23/22 09:42	08/24/22 19:12	1
Cobalt	0.039		0.0040	0.00063	mg/L		08/23/22 09:42	08/24/22 19:12	1
Copper	0.34		0.010	0.0016	mg/L		08/23/22 09:42	08/24/22 19:12	1
Iron	8.6		0.050	0.019	mg/L		08/23/22 09:42	08/24/22 19:12	1
Lead	0.17		0.010	0.0030	mg/L		08/23/22 09:42	08/24/22 19:12	1
Magnesium	18.7		0.20	0.043	mg/L		08/23/22 09:42	08/24/22 19:12	1
Manganese	0.83	B	0.0030	0.00040	mg/L		08/23/22 09:42	08/24/22 19:12	1
Nickel	0.022		0.010	0.0013	mg/L		08/23/22 09:42	08/24/22 19:12	1
Potassium	5.6	B	0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:12	1
Selenium	ND		0.025	0.0087	mg/L		08/23/22 09:42	08/24/22 19:12	1
Silver	ND		0.0060	0.0017	mg/L		08/23/22 09:42	08/24/22 19:12	1
Sodium	32.2	B	1.0	0.32	mg/L		08/23/22 09:42	08/24/22 19:12	1
Thallium	ND		0.020	0.010	mg/L		08/23/22 09:42	08/24/22 19:12	1
Vanadium	0.015		0.0050	0.0015	mg/L		08/23/22 09:42	08/24/22 19:12	1
Zinc	2.5	B	0.010	0.0015	mg/L		08/23/22 09:42	08/24/22 19:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00013	J	0.00020	0.000043	mg/L		08/23/22 11:20	08/24/22 16:25	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-29_0822
Date Collected: 08/17/22 12:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-3
Matrix: Ground Water

Method: 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			08/19/22 06:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/22 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/22 06:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/22 06:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/22 06:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/22 06:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/22 06:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/22 06:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/22 06:55	1
1,2-Dichlorobenzene	**2.7**		1.0	0.79	ug/L			08/19/22 06:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/22 06:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/22 06:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/22 06:55	1
1,4-Dichlorobenzene	**3.2**		1.0	0.84	ug/L			08/19/22 06:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/22 06:55	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/22 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/22 06:55	1
Acetone	ND		10	3.0	ug/L			08/19/22 06:55	1
Benzene	**0.90**	**J**	1.0	0.41	ug/L			08/19/22 06:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/22 06:55	1
Bromoform	ND		1.0	0.26	ug/L			08/19/22 06:55	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/22 06:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/22 06:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/22 06:55	1
Chlorobenzene	**24**		1.0	0.75	ug/L			08/19/22 06:55	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/22 06:55	1
Chloroform	ND		1.0	0.34	ug/L			08/19/22 06:55	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/22 06:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/22 06:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/22 06:55	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/22 06:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/22 06:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/22 06:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/22 06:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/22 06:55	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/22 06:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/22 06:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/22 06:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/22 06:55	1
Styrene	ND		1.0	0.73	ug/L			08/19/22 06:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/22 06:55	1
Toluene	ND		1.0	0.51	ug/L			08/19/22 06:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/22 06:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/22 06:55	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/22 06:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/22 06:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/22 06:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/22 06:55	1

Client Sample ID: BCC Area E RFI-29_0822
Date Collected: 08/17/22 12:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-3
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/19/22 06:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/19/22 06:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/22 06:55*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/19/22 06:55*	*1*

Method: 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		08/22/22 08:19	08/25/22 08:01	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/22/22 08:19	08/25/22 08:01	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:01	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/22/22 08:19	08/25/22 08:01	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:01	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:01	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Nitroaniline	ND		10	0.42	ug/L		08/22/22 08:19	08/25/22 08:01	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/25/22 08:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:01	1
3-Nitroaniline	ND		10	0.48	ug/L		08/22/22 08:19	08/25/22 08:01	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Chloroaniline	**7.7**		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Methylphenol	**1.4**	**J**	10	0.36	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Nitroaniline	ND		10	0.25	ug/L		08/22/22 08:19	08/25/22 08:01	1
4-Nitrophenol	ND		10	1.5	ug/L		08/22/22 08:19	08/25/22 08:01	1
Acenaphthene	ND		5.0	0.41	ug/L		08/22/22 08:19	08/25/22 08:01	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/22/22 08:19	08/25/22 08:01	1
Acetophenone	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 08:01	1
Aniline	**1.4**	**J**	10	0.61	ug/L		08/22/22 08:19	08/25/22 08:01	1
Anthracene	ND		5.0	0.28	ug/L		08/22/22 08:19	08/25/22 08:01	1
Atrazine	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:01	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		08/22/22 08:19	08/25/22 08:01	1
Biphenyl	ND		5.0	0.65	ug/L		08/22/22 08:19	08/25/22 08:01	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/22/22 08:19	08/25/22 08:01	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:01	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:01	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 08:01	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/22/22 08:19	08/25/22 08:01	1
Caprolactam	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 08:01	1
Carbazole	ND		5.0	0.30	ug/L		08/22/22 08:19	08/25/22 08:01	1

Client Sample ID: BCC Area E RFI-29_0822

Date Collected: 08/17/22 12:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-3

Matrix: Ground Water

Method: 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		08/22/22 08:19	08/25/22 08:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/22/22 08:19	08/25/22 08:01	1
Dibenzofuran	ND		10	0.51	ug/L		08/22/22 08:19	08/25/22 08:01	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/22/22 08:19	08/25/22 08:01	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:01	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/22/22 08:19	08/25/22 08:01	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:01	1
Fluoranthene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:01	1
Fluorene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:01	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:01	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/22/22 08:19	08/25/22 08:01	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:01	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:01	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:01	1
Isophorone	ND		5.0	0.43	ug/L		08/22/22 08:19	08/25/22 08:01	1
Naphthalene	ND		5.0	0.76	ug/L		08/22/22 08:19	08/25/22 08:01	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/22/22 08:19	08/25/22 08:01	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 08:01	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:01	1
Pentachlorophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:01	1
Phenanthrene	ND		5.0	0.44	ug/L		08/22/22 08:19	08/25/22 08:01	1
Phenol	ND		5.0	0.39	ug/L		08/22/22 08:19	08/25/22 08:01	1
Pyrene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*41 - 120*	*08/22/22 08:19*	*08/25/22 08:01*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*08/22/22 08:19*	*08/25/22 08:01*	*1*
2-Fluorophenol	*57*		*35 - 120*	*08/22/22 08:19*	*08/25/22 08:01*	*1*
Nitrobenzene-d5	*72*		*46 - 120*	*08/22/22 08:19*	*08/25/22 08:01*	*1*
Phenol-d5	*42*		*22 - 120*	*08/22/22 08:19*	*08/25/22 08:01*	*1*
p-Terphenyl-d14	*67*		*60 - 148*	*08/22/22 08:19*	*08/25/22 08:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/23/22 09:42	08/24/22 19:27	1
Antimony	ND		0.020	0.0068	mg/L		08/23/22 09:42	08/24/22 19:27	1
Arsenic	ND		0.015	0.0056	mg/L		08/23/22 09:42	08/24/22 19:27	1
Barium	**0.075**		0.0020	0.00070	mg/L		08/23/22 09:42	08/24/22 19:27	1
Beryllium	ND		0.0020	0.00030	mg/L		08/23/22 09:42	08/24/22 19:27	1
Cadmium	ND		0.0020	0.00050	mg/L		08/23/22 09:42	08/24/22 19:27	1
Calcium	**196**		0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:27	1
Chromium	ND		0.0040	0.0010	mg/L		08/23/22 09:42	08/24/22 19:27	1
Cobalt	ND		0.0040	0.00063	mg/L		08/23/22 09:42	08/24/22 19:27	1
Copper	**0.0032**	**J**	0.010	0.0016	mg/L		08/23/22 09:42	08/24/22 19:27	1
Iron	**0.77**		0.050	0.019	mg/L		08/23/22 09:42	08/24/22 19:27	1
Lead	ND		0.010	0.0030	mg/L		08/23/22 09:42	08/24/22 19:27	1
Magnesium	**28.1**		0.20	0.043	mg/L		08/23/22 09:42	08/24/22 19:27	1
Manganese	**0.21**	**B**	0.0030	0.00040	mg/L		08/23/22 09:42	08/24/22 19:27	1
Nickel	ND		0.010	0.0013	mg/L		08/23/22 09:42	08/24/22 19:27	1
Potassium	**12.0**	**B**	0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:27	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-29_0822

Date Collected: 08/17/22 12:35
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		08/23/22 09:42	08/24/22 19:27	1
Silver	ND		0.0060	0.0017	mg/L		08/23/22 09:42	08/24/22 19:27	1
Sodium	**124**	**B**	1.0	0.32	mg/L		08/23/22 09:42	08/24/22 19:27	1
Thallium	ND		0.020	0.010	mg/L		08/23/22 09:42	08/24/22 19:27	1
Vanadium	ND		0.0050	0.0015	mg/L		08/23/22 09:42	08/24/22 19:27	1
Zinc	**0.016**	**B**	0.010	0.0015	mg/L		08/23/22 09:42	08/24/22 19:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/21/22 15:40	08/22/22 09:34	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-32A_0822

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			08/19/22 07:17	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			08/19/22 07:17	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	100	31	ug/L			08/19/22 07:17	100
1,1,2-Trichloroethane	ND		100	23	ug/L			08/19/22 07:17	100
1,1-Dichloroethane	ND		100	38	ug/L			08/19/22 07:17	100
1,1-Dichloroethene	ND		100	29	ug/L			08/19/22 07:17	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			08/19/22 07:17	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			08/19/22 07:17	100
1,2-Dibromoethane	ND		100	73	ug/L			08/19/22 07:17	100
1,2-Dichlorobenzene	**730**		100	79	ug/L			08/19/22 07:17	100
1,2-Dichloroethane	ND		100	21	ug/L			08/19/22 07:17	100
1,2-Dichloropropane	ND		100	72	ug/L			08/19/22 07:17	100
1,3-Dichlorobenzene	**120**		100	78	ug/L			08/19/22 07:17	100
1,4-Dichlorobenzene	**1700**	**F1**	100	84	ug/L			08/19/22 07:17	100
2-Butanone (MEK)	ND		1000	130	ug/L			08/19/22 07:17	100
2-Hexanone	ND		500	120	ug/L			08/19/22 07:17	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			08/19/22 07:17	100
Acetone	ND		1000	300	ug/L			08/19/22 07:17	100
Benzene	**110**		100	41	ug/L			08/19/22 07:17	100
Bromodichloromethane	ND		100	39	ug/L			08/19/22 07:17	100
Bromoform	ND		100	26	ug/L			08/19/22 07:17	100
Bromomethane	ND		100	69	ug/L			08/19/22 07:17	100
Carbon disulfide	ND		100	19	ug/L			08/19/22 07:17	100
Carbon tetrachloride	ND		100	27	ug/L			08/19/22 07:17	100
Chloroethane	ND		100	32	ug/L			08/19/22 07:17	100
Chloroform	ND		100	34	ug/L			08/19/22 07:17	100
Chloromethane	ND		100	35	ug/L			08/19/22 07:17	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			08/19/22 07:17	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			08/19/22 07:17	100
Cyclohexane	ND		100	18	ug/L			08/19/22 07:17	100
Dibromochloromethane	ND		100	32	ug/L			08/19/22 07:17	100
Dichlorodifluoromethane	ND		100	68	ug/L			08/19/22 07:17	100
Ethylbenzene	ND		100	74	ug/L			08/19/22 07:17	100
Isopropylbenzene	ND		100	79	ug/L			08/19/22 07:17	100
Methyl acetate	ND		250	130	ug/L			08/19/22 07:17	100
Methyl tert-butyl ether	ND		100	16	ug/L			08/19/22 07:17	100
Methylcyclohexane	ND		100	16	ug/L			08/19/22 07:17	100
Methylene Chloride	ND		100	44	ug/L			08/19/22 07:17	100
Styrene	ND		100	73	ug/L			08/19/22 07:17	100
Tetrachloroethene	ND		100	36	ug/L			08/19/22 07:17	100
Toluene	**390**		100	51	ug/L			08/19/22 07:17	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			08/19/22 07:17	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			08/19/22 07:17	100
Trichloroethene	**73**	**J**	100	46	ug/L			08/19/22 07:17	100
Trichlorofluoromethane	ND		100	88	ug/L			08/19/22 07:17	100
Vinyl chloride	ND		100	90	ug/L			08/19/22 07:17	100
Xylenes, Total	ND		200	66	ug/L			08/19/22 07:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*08/19/22 07:17*	*100*

Client Sample ID: BCC Area E RFI-32A_0822
Date Collected: 08/17/22 10:20
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-4
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/19/22 07:17*	*100*
Toluene-d8 (Surr)	*106*		*80 - 120*		*08/19/22 07:17*	*100*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/19/22 07:17*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**170000**		4000	3000	ug/L			08/19/22 14:05	4000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/19/22 14:05*	*4000*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/22 14:05*	*4000*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/22 14:05*	*4000*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/19/22 14:05*	*4000*

Method: 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		08/22/22 08:19	08/23/22 15:11	5
2,4,6-Trichlorophenol	ND	F2	25	3.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
2,4-Dichlorophenol	ND	F2	25	2.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		08/22/22 08:19	08/23/22 15:11	5
2,4-Dinitrophenol	ND		50	11	ug/L		08/22/22 08:19	08/23/22 15:11	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		08/22/22 08:19	08/23/22 15:11	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
2-Chloronaphthalene	ND	F2	25	2.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
2-Methylnaphthalene	ND	F2	25	3.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
2-Methylphenol	ND		25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
2-Nitroaniline	ND	F2	50	2.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
2-Nitrophenol	ND	F2	25	2.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
3-Nitroaniline	ND		50	2.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
4,6-Dinitro-2-methylphenol	ND	F2	50	11	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Bromophenyl phenyl ether	ND	F2	25	2.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Chloroaniline	ND		25	3.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Chlorophenyl phenyl ether	ND	F2	25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Methylphenol	ND	F2	50	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Nitroaniline	ND		50	1.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
4-Nitrophenol	ND		50	7.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Acenaphthene	ND		25	2.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
Acenaphthylene	ND	F2	25	1.9	ug/L		08/22/22 08:19	08/23/22 15:11	5
Acetophenone	ND	F2	25	2.7	ug/L		08/22/22 08:19	08/23/22 15:11	5
Aniline	ND		50	3.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
Anthracene	ND		25	1.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
Atrazine	ND		25	2.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzaldehyde	ND	F2	25	1.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzo(a)anthracene	ND		25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzo(a)pyrene	ND		25	2.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		08/22/22 08:19	08/23/22 15:11	5

Client Sample ID: BCC Area E RFI-32A_0822

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	F2	25	3.3	ug/L		08/22/22 08:19	08/23/22 15:11	5
bis (2-chloroisopropyl) ether	ND	F2	25	2.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Bis(2-chloroethoxy)methane	ND	F2	25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Bis(2-chloroethyl)ether	ND	F2	25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Bis(2-ethylhexyl) phthalate	ND	F2	25	11	ug/L		08/22/22 08:19	08/23/22 15:11	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Caprolactam	ND		25	11	ug/L		08/22/22 08:19	08/23/22 15:11	5
Carbazole	ND		25	1.5	ug/L		08/22/22 08:19	08/23/22 15:11	5
Chrysene	ND		25	1.7	ug/L		08/22/22 08:19	08/23/22 15:11	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
Dibenzofuran	ND	F2	50	2.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Diethyl phthalate	ND	F2	25	1.1	ug/L		08/22/22 08:19	08/23/22 15:11	5
Dimethyl phthalate	ND	F2	25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Di-n-octyl phthalate	ND	F2	25	2.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
Fluoranthene	ND		25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Fluorene	ND	F2	25	1.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Hexachlorobenzene	ND		25	2.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Hexachlorobutadiene	ND		25	3.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
Hexachlorocyclopentadiene	ND	F1	25	3.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Hexachloroethane	ND		25	3.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		08/22/22 08:19	08/23/22 15:11	5
Isophorone	ND	F2	25	2.2	ug/L		08/22/22 08:19	08/23/22 15:11	5
Naphthalene	ND		25	3.8	ug/L		08/22/22 08:19	08/23/22 15:11	5
Nitrobenzene	ND	F2	25	1.5	ug/L		08/22/22 08:19	08/23/22 15:11	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		08/22/22 08:19	08/23/22 15:11	5
N-Nitrosodiphenylamine	ND	F2	25	2.6	ug/L		08/22/22 08:19	08/23/22 15:11	5
Pentachlorophenol	ND		50	11	ug/L		08/22/22 08:19	08/23/22 15:11	5
Phenanthrene	ND	F2	25	2.2	ug/L		08/22/22 08:19	08/23/22 15:11	5
Phenol	**4.4**	**J**	25	2.0	ug/L		08/22/22 08:19	08/23/22 15:11	5
Pyrene	ND		25	1.7	ug/L		08/22/22 08:19	08/23/22 15:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*41 - 120*	*08/22/22 08:19*	*08/23/22 15:11*	*5*
2-Fluorobiphenyl	*61*		*48 - 120*	*08/22/22 08:19*	*08/23/22 15:11*	*5*
2-Fluorophenol	*46*		*35 - 120*	*08/22/22 08:19*	*08/23/22 15:11*	*5*
Nitrobenzene-d5	*55*		*46 - 120*	*08/22/22 08:19*	*08/23/22 15:11*	*5*
Phenol-d5	*32*		*22 - 120*	*08/22/22 08:19*	*08/23/22 15:11*	*5*
p-Terphenyl-d14	*57*	*S1-*	*60 - 148*	*08/22/22 08:19*	*08/23/22 15:11*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	**500**		100	11	ug/L		08/22/22 08:19	08/25/22 04:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*41 - 120*	*08/22/22 08:19*	*08/25/22 04:23*	*20*
2-Fluorobiphenyl	*45*	*S1-*	*48 - 120*	*08/22/22 08:19*	*08/25/22 04:23*	*20*
2-Fluorophenol	*41*		*35 - 120*	*08/22/22 08:19*	*08/25/22 04:23*	*20*
Nitrobenzene-d5	*52*		*46 - 120*	*08/22/22 08:19*	*08/25/22 04:23*	*20*
Phenol-d5	*30*		*22 - 120*	*08/22/22 08:19*	*08/25/22 04:23*	*20*

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-32A_0822

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-4

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14	*57*	*S1-*	*60 - 148*	*08/22/22 08:19*	*08/25/22 04:23*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.075**	**J**	0.20	0.060	mg/L		08/23/22 09:42	08/24/22 19:31	1
Antimony	ND		0.020	0.0068	mg/L		08/23/22 09:42	08/24/22 19:31	1
Arsenic	**0.0057**	**J**	0.015	0.0056	mg/L		08/23/22 09:42	08/24/22 19:31	1
Barium	**0.041**		0.0020	0.00070	mg/L		08/23/22 09:42	08/24/22 19:31	1
Beryllium	ND		0.0020	0.00030	mg/L		08/23/22 09:42	08/24/22 19:31	1
Cadmium	ND		0.0020	0.00050	mg/L		08/23/22 09:42	08/24/22 19:31	1
Calcium	**284**		0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:31	1
Chromium	**0.0041**		0.0040	0.0010	mg/L		08/23/22 09:42	08/24/22 19:31	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		08/23/22 09:42	08/24/22 19:31	1
Copper	**0.0069**	**J**	0.010	0.0016	mg/L		08/23/22 09:42	08/24/22 19:31	1
Iron	**1.5**		0.050	0.019	mg/L		08/23/22 09:42	08/24/22 19:31	1
Lead	ND		0.010	0.0030	mg/L		08/23/22 09:42	08/24/22 19:31	1
Magnesium	**90.9**		0.20	0.043	mg/L		08/23/22 09:42	08/24/22 19:31	1
Manganese	**0.66**	**B F1**	0.0030	0.00040	mg/L		08/23/22 09:42	08/24/22 19:31	1
Nickel	**0.023**		0.010	0.0013	mg/L		08/23/22 09:42	08/24/22 19:31	1
Potassium	**4.7**	**B**	0.50	0.10	mg/L		08/23/22 09:42	08/24/22 19:31	1
Selenium	ND		0.025	0.0087	mg/L		08/23/22 09:42	08/24/22 19:31	1
Silver	ND		0.0060	0.0017	mg/L		08/23/22 09:42	08/24/22 19:31	1
Sodium	**134**	**B**	1.0	0.32	mg/L		08/23/22 09:42	08/24/22 19:31	1
Thallium	ND		0.020	0.010	mg/L		08/23/22 09:42	08/24/22 19:31	1
Vanadium	ND		0.0050	0.0015	mg/L		08/23/22 09:42	08/24/22 19:31	1
Zinc	**0.0069**	**J B**	0.010	0.0015	mg/L		08/23/22 09:42	08/24/22 19:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/21/22 15:40	08/22/22 09:36	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-33_0822
Date Collected: 08/17/22 13:25
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-5
Matrix: Ground Water

Method: 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			08/19/22 14:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/22 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/22 14:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/22 14:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/22 14:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/22 14:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/22 14:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/22 14:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/22 14:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/22 14:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/22 14:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/22 14:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/22 14:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/22 14:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/22 14:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/22 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/22 14:27	1
Acetone	ND		10	3.0	ug/L			08/19/22 14:27	1
Benzene	ND		1.0	0.41	ug/L			08/19/22 14:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/22 14:27	1
Bromoform	ND		1.0	0.26	ug/L			08/19/22 14:27	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/22 14:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/22 14:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/22 14:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/22 14:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/22 14:27	1
Chloroform	ND		1.0	0.34	ug/L			08/19/22 14:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/22 14:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/22 14:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/22 14:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/22 14:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/22 14:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/22 14:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/22 14:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/22 14:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/22 14:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/22 14:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/22 14:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/22 14:27	1
Styrene	ND		1.0	0.73	ug/L			08/19/22 14:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/22 14:27	1
Toluene	ND		1.0	0.51	ug/L			08/19/22 14:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/22 14:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/22 14:27	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/22 14:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/22 14:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/22 14:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/22 14:27	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-33_0822

Date Collected: 08/17/22 13:25
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-5

Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/19/22 14:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/19/22 14:27*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/22 14:27*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/19/22 14:27*	*1*

Method: 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		08/22/22 08:19	08/25/22 08:29	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/22/22 08:19	08/25/22 08:29	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:29	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/22/22 08:19	08/25/22 08:29	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:29	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:29	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Nitroaniline	ND		10	0.42	ug/L		08/22/22 08:19	08/25/22 08:29	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/25/22 08:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:29	1
3-Nitroaniline	ND		10	0.48	ug/L		08/22/22 08:19	08/25/22 08:29	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Methylphenol	ND		10	0.36	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Nitroaniline	ND		10	0.25	ug/L		08/22/22 08:19	08/25/22 08:29	1
4-Nitrophenol	ND		10	1.5	ug/L		08/22/22 08:19	08/25/22 08:29	1
Acenaphthene	ND		5.0	0.41	ug/L		08/22/22 08:19	08/25/22 08:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/22/22 08:19	08/25/22 08:29	1
Acetophenone	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 08:29	1
Aniline	ND		10	0.61	ug/L		08/22/22 08:19	08/25/22 08:29	1
Anthracene	ND		5.0	0.28	ug/L		08/22/22 08:19	08/25/22 08:29	1
Atrazine	ND		5.0	0.46	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:29	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		08/22/22 08:19	08/25/22 08:29	1
Biphenyl	ND		5.0	0.65	ug/L		08/22/22 08:19	08/25/22 08:29	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/22/22 08:19	08/25/22 08:29	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/22/22 08:19	08/25/22 08:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 08:29	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/22/22 08:19	08/25/22 08:29	1
Caprolactam	ND		5.0	2.2	ug/L		08/22/22 08:19	08/25/22 08:29	1
Carbazole	ND		5.0	0.30	ug/L		08/22/22 08:19	08/25/22 08:29	1

Client Sample ID: BCC Area E RFI-33_0822
Date Collected: 08/17/22 13:25
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-5
Matrix: Ground Water

Method: 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		08/22/22 08:19	08/25/22 08:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/22/22 08:19	08/25/22 08:29	1
Dibenzofuran	ND		10	0.51	ug/L		08/22/22 08:19	08/25/22 08:29	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/22/22 08:19	08/25/22 08:29	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:29	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/22/22 08:19	08/25/22 08:29	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:29	1
Fluoranthene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/25/22 08:29	1
Fluorene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/25/22 08:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:29	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/22/22 08:19	08/25/22 08:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:29	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/22/22 08:19	08/25/22 08:29	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/25/22 08:29	1
Isophorone	ND		5.0	0.43	ug/L		08/22/22 08:19	08/25/22 08:29	1
Naphthalene	ND		5.0	0.76	ug/L		08/22/22 08:19	08/25/22 08:29	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/22/22 08:19	08/25/22 08:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/22/22 08:19	08/25/22 08:29	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/22/22 08:19	08/25/22 08:29	1
Pentachlorophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/25/22 08:29	1
Phenanthrene	ND		5.0	0.44	ug/L		08/22/22 08:19	08/25/22 08:29	1
Phenol	ND		5.0	0.39	ug/L		08/22/22 08:19	08/25/22 08:29	1
Pyrene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/25/22 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*41 - 120*	*08/22/22 08:19*	*08/25/22 08:29*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*08/22/22 08:19*	*08/25/22 08:29*	*1*
2-Fluorophenol	*56*		*35 - 120*	*08/22/22 08:19*	*08/25/22 08:29*	*1*
Nitrobenzene-d5	*74*		*46 - 120*	*08/22/22 08:19*	*08/25/22 08:29*	*1*
Phenol-d5	*43*		*22 - 120*	*08/22/22 08:19*	*08/25/22 08:29*	*1*
p-Terphenyl-d14	*71*		*60 - 148*	*08/22/22 08:19*	*08/25/22 08:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.6**		0.20	0.060	mg/L		08/18/22 16:37	08/25/22 20:53	1
Antimony	ND		0.020	0.0068	mg/L		08/18/22 16:37	08/25/22 20:53	1
Arsenic	ND		0.015	0.0056	mg/L		08/18/22 16:37	08/25/22 20:53	1
Barium	**0.076**		0.0020	0.00070	mg/L		08/18/22 16:37	08/25/22 20:53	1
Beryllium	ND		0.0020	0.00030	mg/L		08/18/22 16:37	08/25/22 20:53	1
Cadmium	**0.00073**	**J**	0.0020	0.00050	mg/L		08/18/22 16:37	08/25/22 20:53	1
Calcium	**113**		0.50	0.10	mg/L		08/18/22 16:37	08/25/22 20:53	1
Chromium	**0.022**		0.0040	0.0010	mg/L		08/18/22 16:37	08/25/22 20:53	1
Cobalt	**0.0021**	**J**	0.0040	0.00063	mg/L		08/18/22 16:37	08/25/22 20:53	1
Copper	**0.025**		0.010	0.0016	mg/L		08/18/22 16:37	08/25/22 20:53	1
Iron	**3.6**		0.050	0.019	mg/L		08/18/22 16:37	08/25/22 20:53	1
Lead	**0.011**		0.010	0.0030	mg/L		08/18/22 16:37	08/25/22 20:53	1
Magnesium	**13.4**		0.20	0.043	mg/L		08/18/22 16:37	08/25/22 20:53	1
Manganese	**0.26**		0.0030	0.00040	mg/L		08/18/22 16:37	08/25/22 20:53	1
Nickel	**0.042**		0.010	0.0013	mg/L		08/18/22 16:37	08/25/22 20:53	1
Potassium	**2.6**		0.50	0.10	mg/L		08/18/22 16:37	08/25/22 20:53	1

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-33_0822
Date Collected: 08/17/22 13:25
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		08/18/22 16:37	08/25/22 20:53	1
Silver	ND		0.0060	0.0017	mg/L		08/18/22 16:37	08/25/22 20:53	1
Sodium	**64.0**		1.0	0.32	mg/L		08/18/22 16:37	08/25/22 20:53	1
Thallium	ND		0.020	0.010	mg/L		08/18/22 16:37	08/25/22 20:53	1
Vanadium	**0.0090**		0.0050	0.0015	mg/L		08/18/22 16:37	08/25/22 20:53	1
Zinc	**0.023**		0.010	0.0015	mg/L		08/18/22 16:37	08/25/22 20:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/21/22 15:40	08/22/22 09:43	1

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

Job ID: 480-200801-1

Client Sample ID: TRIP BLANK
Date Collected: 08/17/22 00:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-6
Matrix: Water

Method: 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			08/19/22 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/22 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/22 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/22 15:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/22 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/22 15:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/22 15:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/22 15:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/22 15:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/22 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/22 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/22 15:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/22 15:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/22 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/22 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/22 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/22 15:02	1
Acetone	ND		10	3.0	ug/L			08/19/22 15:02	1
Benzene	ND		1.0	0.41	ug/L			08/19/22 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/22 15:02	1
Bromoform	ND		1.0	0.26	ug/L			08/19/22 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/22 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/22 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/22 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/22 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/22 15:02	1
Chloroform	ND		1.0	0.34	ug/L			08/19/22 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/22 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/22 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/22 15:02	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/22 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/22 15:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/22 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/22 15:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/22 15:02	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/22 15:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/22 15:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/22 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/22 15:02	1
Styrene	ND		1.0	0.73	ug/L			08/19/22 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/22 15:02	1
Toluene	ND		1.0	0.51	ug/L			08/19/22 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/22 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/22 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/22 15:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/22 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/22 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/22 15:02	1

Client Sample Results

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

Job ID: 480-200801-1

Client Sample ID: TRIP BLANK

Date Collected: 08/17/22 00:00
Date Received: 08/17/22 15:00

Lab Sample ID: 480-200801-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		08/19/22 15:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/19/22 15:02	1
Toluene-d8 (Surr)	100		80 - 120		08/19/22 15:02	1
Dibromofluoromethane (Surr)	104		75 - 123		08/19/22 15:02	1

Surrogate Summary

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

Job ID: 480-200801-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-200801-1	BCC Area E D_0822	99	102	99	106
480-200801-2	BCC Area E MW-E05_0822	97	96	100	101
480-200801-2 - DL	BCC Area E MW-E05_0822	98	101	99	102
480-200801-3	BCC Area E RFI-29_0822	100	103	100	104
480-200801-4	BCC Area E RFI-32A_0822	98	98	106	101
480-200801-4 - DL	BCC Area E RFI-32A_0822	97	101	100	102
480-200801-4 MS	BCC Area E RFI-32A MS_0822	101	96	102	104
480-200801-4 MS - DL	BCC Area E RFI-32A MS_0822	102	100	102	108
480-200801-4 MSD	BCC Area E RFI-32A MSD_082	99	96	102	103
480-200801-4 MSD - DL	BCC Area E RFI-32A MSD_082	98	102	102	103
480-200801-5	BCC Area E RFI-33_0822	97	103	100	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)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-200801-6	TRIP BLANK	98	102	100	104
LCS 480-638035/6	Lab Control Sample	97	101	103	102
LCS 480-638202/5	Lab Control Sample	98	102	103	103
MB 480-638035/8	Method Blank	99	102	100	104
MB 480-638202/7	Method Blank	97	102	100	103

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)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-200801-1	BCC Area E D_0822	83	71	53	68	40	64
480-200801-1 - DL	BCC Area E D_0822	83	58	51	61	38	64
480-200801-2	BCC Area E MW-E05_0822	80	88	60	78	44	68
480-200801-3	BCC Area E RFI-29_0822	89	80	57	72	42	67
480-200801-4	BCC Area E RFI-32A_0822	62	61	46	55	32	57 S1-
480-200801-4 - DL	BCC Area E RFI-32A_0822	76	45 S1-	41	52	30	57 S1-
480-200801-4 MS	BCC Area E RFI-32A MS_0822	93	81	67	77	50	67
480-200801-4 MS - DL	BCC Area E RFI-32A MS_0822	100	66	57	73	44	68
480-200801-4 MSD	BCC Area E RFI-32A MSD_082	75	64	50	60	37	60

Surrogate Summary

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

Job ID: 480-200801-1

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

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)		
480-200801-4 MSD - DL	BCC Area E RFI-32A MSD_082	86	49	45	55	34	59 S1-		
480-200801-5	BCC Area E RFI-33_0822	84	82	56	74	43	71		

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)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)		
LCS 480-638423/2-A	Lab Control Sample	94	89	71	88	56	93		
MB 480-638423/1-A	Method Blank	67	78	60	77	44	90		

Surrogate Legend

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

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

Lab Sample ID: MB 480-638035/8
Matrix: Water
Analysis Batch: 638035

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			08/18/22 23:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/18/22 23:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/18/22 23:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/18/22 23:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/18/22 23:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/18/22 23:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/18/22 23:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/18/22 23:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/18/22 23:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/18/22 23:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/18/22 23:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/18/22 23:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/18/22 23:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/18/22 23:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/18/22 23:36	1
2-Hexanone	ND		5.0	1.2	ug/L			08/18/22 23:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/18/22 23:36	1
Acetone	ND		10	3.0	ug/L			08/18/22 23:36	1
Benzene	ND		1.0	0.41	ug/L			08/18/22 23:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/18/22 23:36	1
Bromoform	ND		1.0	0.26	ug/L			08/18/22 23:36	1
Bromomethane	ND		1.0	0.69	ug/L			08/18/22 23:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/18/22 23:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/18/22 23:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/18/22 23:36	1
Chloroethane	ND		1.0	0.32	ug/L			08/18/22 23:36	1
Chloroform	ND		1.0	0.34	ug/L			08/18/22 23:36	1
Chloromethane	ND		1.0	0.35	ug/L			08/18/22 23:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/18/22 23:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/18/22 23:36	1
Cyclohexane	ND		1.0	0.18	ug/L			08/18/22 23:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/18/22 23:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/18/22 23:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/18/22 23:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/18/22 23:36	1
Methyl acetate	ND		2.5	1.3	ug/L			08/18/22 23:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/18/22 23:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/18/22 23:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/18/22 23:36	1
Styrene	ND		1.0	0.73	ug/L			08/18/22 23:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/18/22 23:36	1
Toluene	ND		1.0	0.51	ug/L			08/18/22 23:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/18/22 23:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/18/22 23:36	1
Trichloroethene	ND		1.0	0.46	ug/L			08/18/22 23:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/18/22 23:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/18/22 23:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/18/22 23:36	1

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

Lab Sample ID: MB 480-638035/8
Matrix: Water
Analysis Batch: 638035

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/18/22 23:36	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/18/22 23:36	1
Toluene-d8 (Surr)	100		80 - 120		08/18/22 23:36	1
Dibromofluoromethane (Surr)	104		75 - 123		08/18/22 23:36	1

Lab Sample ID: LCS 480-638035/6
Matrix: Water
Analysis Batch: 638035

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	23.4		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.3		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 120
2-Butanone (MEK)	125	120		ug/L		96	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	127		ug/L		101	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		94	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	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	22.6		ug/L		90	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	22.6		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	22.7		ug/L		91	74 - 124
Cyclohexane	25.0	21.4		ug/L		86	59 - 135
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Dichlorodifluoromethane	25.0	24.6		ug/L		98	59 - 135
Ethylbenzene	25.0	23.9		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	50.0	47.6		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-638035/6
Matrix: Water
Analysis Batch: 638035

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	25.6		ug/L		103	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	27.1		ug/L		108	62 - 150
Vinyl chloride	25.0	22.7		ug/L		91	65 - 133
Xylenes, Total	50.0	49.1		ug/L		98	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638035

Client Sample ID: BCC Area E RFI-32A MS_0822
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		2500	2360		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	ND		2500	2370		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	2500	2700		ug/L		108	61 - 148
1,1,2-Trichloroethane	ND		2500	2390		ug/L		95	76 - 122
1,1-Dichloroethane	ND		2500	2430		ug/L		97	77 - 120
1,1-Dichloroethene	ND		2500	2690		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	ND		2500	2410		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	ND		2500	2370		ug/L		95	56 - 134
1,2-Dibromoethane	ND		2500	2420		ug/L		97	77 - 120
1,2-Dichlorobenzene	730		2500	2790		ug/L		82	80 - 124
1,2-Dichloroethane	ND		2500	2320		ug/L		93	75 - 120
1,2-Dichloropropane	ND		2500	2450		ug/L		98	76 - 120
1,3-Dichlorobenzene	120		2500	2430		ug/L		93	77 - 120
1,4-Dichlorobenzene	1700	F1	2500	3180	F1	ug/L		61	78 - 124
2-Butanone (MEK)	ND		12500	12000		ug/L		96	57 - 140
2-Hexanone	ND		12500	11600		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		12500	11500		ug/L		92	71 - 125
Acetone	ND		12500	11700		ug/L		94	56 - 142
Benzene	110		2500	2550		ug/L		98	71 - 124
Bromodichloromethane	ND		2500	2440		ug/L		98	80 - 122
Bromoform	ND		2500	2390		ug/L		96	61 - 132
Bromomethane	ND		2500	2420		ug/L		97	55 - 144
Carbon disulfide	ND		2500	2430		ug/L		97	59 - 134
Carbon tetrachloride	ND		2500	2430		ug/L		97	72 - 134
Chloroethane	ND		2500	2300		ug/L		92	69 - 136
Chloroform	ND		2500	2410		ug/L		96	73 - 127

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

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638035

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		2500	2320		ug/L		93	68 - 124
cis-1,2-Dichloroethene	ND		2500	2530		ug/L		101	74 - 124
cis-1,3-Dichloropropene	ND		2500	2300		ug/L		92	74 - 124
Cyclohexane	ND		2500	2170		ug/L		87	59 - 135
Dibromochloromethane	ND		2500	2500		ug/L		100	75 - 125
Dichlorodifluoromethane	ND		2500	2430		ug/L		97	59 - 135
Ethylbenzene	ND		2500	2290		ug/L		91	77 - 123
Isopropylbenzene	ND		2500	2350		ug/L		94	77 - 122
Methyl acetate	ND		5000	4870		ug/L		97	74 - 133
Methyl tert-butyl ether	ND		2500	2360		ug/L		95	77 - 120
Methylcyclohexane	ND		2500	2430		ug/L		97	68 - 134
Methylene Chloride	ND		2500	2610		ug/L		104	75 - 124
Styrene	ND		2500	2330		ug/L		93	80 - 120
Tetrachloroethene	ND		2500	2560		ug/L		102	74 - 122
Toluene	390		2500	2680		ug/L		92	80 - 122
trans-1,2-Dichloroethene	ND		2500	2510		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND		2500	2180		ug/L		87	80 - 120
Trichloroethene	73	J	2500	2510		ug/L		98	74 - 123
Trichlorofluoromethane	ND		2500	2750		ug/L		110	62 - 150
Vinyl chloride	ND		2500	2220		ug/L		89	65 - 133
Xylenes, Total	ND		5000	4640		ug/L		93	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638035

Client Sample ID: BCC Area E RFI-32A MSD_0822
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		2500	2320		ug/L		93	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		2500	2370		ug/L		95	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	2500	2070	F2	ug/L		83	61 - 148	26	20
1,1,2-Trichloroethane	ND		2500	2370		ug/L		95	76 - 122	1	15
1,1-Dichloroethane	ND		2500	2340		ug/L		94	77 - 120	4	20
1,1-Dichloroethene	ND		2500	2590		ug/L		104	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		2500	2490		ug/L		100	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		2500	2480		ug/L		99	56 - 134	5	15
1,2-Dibromoethane	ND		2500	2420		ug/L		97	77 - 120	0	15
1,2-Dichlorobenzene	730		2500	2770		ug/L		81	80 - 124	1	20
1,2-Dichloroethane	ND		2500	2270		ug/L		91	75 - 120	2	20
1,2-Dichloropropane	ND		2500	2350		ug/L		94	76 - 120	4	20
1,3-Dichlorobenzene	120		2500	2370		ug/L		90	77 - 120	2	20
1,4-Dichlorobenzene	1700	F1	2500	3110	F1	ug/L		58	78 - 124	2	20
2-Butanone (MEK)	ND		12500	12000		ug/L		96	57 - 140	0	20

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

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638035

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		12500	11800		ug/L		95	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		12500	11700		ug/L		94	71 - 125	2	35
Acetone	ND		12500	11900		ug/L		95	56 - 142	2	15
Benzene	110		2500	2470		ug/L		94	71 - 124	3	13
Bromodichloromethane	ND		2500	2370		ug/L		95	80 - 122	3	15
Bromoform	ND		2500	2410		ug/L		96	61 - 132	1	15
Bromomethane	ND		2500	2370		ug/L		95	55 - 144	2	15
Carbon disulfide	ND		2500	2370		ug/L		95	59 - 134	3	15
Carbon tetrachloride	ND		2500	2370		ug/L		95	72 - 134	3	15
Chloroethane	ND		2500	2290		ug/L		92	69 - 136	0	15
Chloroform	ND		2500	2320		ug/L		93	73 - 127	3	20
Chloromethane	ND		2500	2280		ug/L		91	68 - 124	2	15
cis-1,2-Dichloroethene	ND		2500	2410		ug/L		96	74 - 124	5	15
cis-1,3-Dichloropropene	ND		2500	2240		ug/L		90	74 - 124	2	15
Cyclohexane	ND		2500	2120		ug/L		85	59 - 135	2	20
Dibromochloromethane	ND		2500	2490		ug/L		100	75 - 125	0	15
Dichlorodifluoromethane	ND		2500	2360		ug/L		95	59 - 135	3	20
Ethylbenzene	ND		2500	2210		ug/L		88	77 - 123	3	15
Isopropylbenzene	ND		2500	2290		ug/L		92	77 - 122	2	20
Methyl acetate	ND		5000	4830		ug/L		97	74 - 133	1	20
Methyl tert-butyl ether	ND		2500	2380		ug/L		95	77 - 120	1	37
Methylcyclohexane	ND		2500	2340		ug/L		93	68 - 134	4	20
Methylene Chloride	ND		2500	2530		ug/L		101	75 - 124	3	15
Styrene	ND		2500	2270		ug/L		91	80 - 120	2	20
Tetrachloroethene	ND		2500	2490		ug/L		100	74 - 122	2	20
Toluene	390		2500	2600		ug/L		88	80 - 122	3	15
trans-1,2-Dichloroethene	ND		2500	2420		ug/L		97	73 - 127	4	20
trans-1,3-Dichloropropene	ND		2500	2210		ug/L		88	80 - 120	1	15
Trichloroethene	73	J	2500	2410		ug/L		93	74 - 123	4	16
Trichlorofluoromethane	ND		2500	2640		ug/L		106	62 - 150	4	20
Vinyl chloride	ND		2500	2230		ug/L		89	65 - 133	1	15
Xylenes, Total	ND		5000	4520		ug/L		90	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-638202/7
Matrix: Water
Analysis Batch: 638202

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			08/19/22 12:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/22 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/22 12:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/22 12:27	1

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

Lab Sample ID: MB 480-638202/7
Matrix: Water
Analysis Batch: 638202

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/22 12:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/22 12:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/22 12:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/22 12:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/22 12:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/22 12:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/22 12:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/22 12:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/22 12:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/22 12:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/22 12:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/22 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/22 12:27	1
Acetone	ND		10	3.0	ug/L			08/19/22 12:27	1
Benzene	ND		1.0	0.41	ug/L			08/19/22 12:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/22 12:27	1
Bromoform	ND		1.0	0.26	ug/L			08/19/22 12:27	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/22 12:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/22 12:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/22 12:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/22 12:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/22 12:27	1
Chloroform	ND		1.0	0.34	ug/L			08/19/22 12:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/22 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/22 12:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/22 12:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/22 12:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/22 12:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/22 12:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/22 12:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/22 12:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/22 12:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/22 12:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/22 12:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/22 12:27	1
Styrene	ND		1.0	0.73	ug/L			08/19/22 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/22 12:27	1
Toluene	ND		1.0	0.51	ug/L			08/19/22 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/22 12:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/22 12:27	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/22 12:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/22 12:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/22 12:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/22 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/19/22 12:27*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/19/22 12:27*	*1*

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

Lab Sample ID: MB 480-638202/7
Matrix: Water
Analysis Batch: 638202

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		08/19/22 12:27	1
Dibromofluoromethane (Surr)	103		75 - 123		08/19/22 12:27	1

Lab Sample ID: LCS 480-638202/5
Matrix: Water
Analysis Batch: 638202

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	22.9		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		86	61 - 148
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	22.1		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
2-Butanone (MEK)	125	125		ug/L		100	57 - 140
2-Hexanone	125	127		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.3		ug/L		93	80 - 122
Bromoform	25.0	26.4		ug/L		105	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	23.8		ug/L		95	59 - 134
Carbon tetrachloride	25.0	23.5		ug/L		94	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124
Cyclohexane	25.0	21.5		ug/L		86	59 - 135
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	27.7		ug/L		111	59 - 135
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
Isopropylbenzene	25.0	22.8		ug/L		91	77 - 122
Methyl acetate	50.0	48.4		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	23.5		ug/L		94	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120

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

Lab Sample ID: LCS 480-638202/5
Matrix: Water
Analysis Batch: 638202

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	23.8		ug/L		95	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133
Xylenes, Total	50.0	48.4		ug/L		97	76 - 122

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

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

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638202

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene - DL	170000		100000	269000		ug/L		95	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr) - DL	*102*		*77 - 120*
4-Bromofluorobenzene (Surr) - DL	*100*		*73 - 120*
Toluene-d8 (Surr) - DL	*102*		*80 - 120*
Dibromofluoromethane (Surr) - DL	*108*		*75 - 123*

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638202

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzene - DL	170000		100000	261000		ug/L		87	80 - 120	3	25

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

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

Job ID: 480-200801-1

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

Lab Sample ID: MB 480-638423/1-A
Matrix: Water
Analysis Batch: 638615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 13:21	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Nitroaniline	ND		10	0.42	ug/L		08/22/22 08:19	08/23/22 13:21	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/22/22 08:19	08/23/22 13:21	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 13:21	1
3-Nitroaniline	ND		10	0.48	ug/L		08/22/22 08:19	08/23/22 13:21	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Methylphenol	ND		10	0.36	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Nitroaniline	ND		10	0.25	ug/L		08/22/22 08:19	08/23/22 13:21	1
4-Nitrophenol	ND		10	1.5	ug/L		08/22/22 08:19	08/23/22 13:21	1
Acenaphthene	ND		5.0	0.41	ug/L		08/22/22 08:19	08/23/22 13:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/22/22 08:19	08/23/22 13:21	1
Acetophenone	ND		5.0	0.54	ug/L		08/22/22 08:19	08/23/22 13:21	1
Aniline	ND		10	0.61	ug/L		08/22/22 08:19	08/23/22 13:21	1
Anthracene	ND		5.0	0.28	ug/L		08/22/22 08:19	08/23/22 13:21	1
Atrazine	ND		5.0	0.46	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzaldehyde	ND		5.0	0.27	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 13:21	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		08/22/22 08:19	08/23/22 13:21	1
Biphenyl	ND		5.0	0.65	ug/L		08/22/22 08:19	08/23/22 13:21	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/22/22 08:19	08/23/22 13:21	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/22/22 08:19	08/23/22 13:21	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 13:21	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		08/22/22 08:19	08/23/22 13:21	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		08/22/22 08:19	08/23/22 13:21	1
Caprolactam	ND		5.0	2.2	ug/L		08/22/22 08:19	08/23/22 13:21	1
Carbazole	ND		5.0	0.30	ug/L		08/22/22 08:19	08/23/22 13:21	1
Chrysene	ND		5.0	0.33	ug/L		08/22/22 08:19	08/23/22 13:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/22/22 08:19	08/23/22 13:21	1
Dibenzofuran	ND		10	0.51	ug/L		08/22/22 08:19	08/23/22 13:21	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/22/22 08:19	08/23/22 13:21	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 13:21	1

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

Lab Sample ID: MB 480-638423/1-A
Matrix: Water
Analysis Batch: 638615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/22/22 08:19	08/23/22 13:21	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 13:21	1
Fluoranthene	ND		5.0	0.40	ug/L		08/22/22 08:19	08/23/22 13:21	1
Fluorene	ND		5.0	0.36	ug/L		08/22/22 08:19	08/23/22 13:21	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/22/22 08:19	08/23/22 13:21	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/22/22 08:19	08/23/22 13:21	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 13:21	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/22/22 08:19	08/23/22 13:21	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		08/22/22 08:19	08/23/22 13:21	1
Isophorone	ND		5.0	0.43	ug/L		08/22/22 08:19	08/23/22 13:21	1
Naphthalene	ND		5.0	0.76	ug/L		08/22/22 08:19	08/23/22 13:21	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/22/22 08:19	08/23/22 13:21	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/22/22 08:19	08/23/22 13:21	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/22/22 08:19	08/23/22 13:21	1
Pentachlorophenol	ND		10	2.2	ug/L		08/22/22 08:19	08/23/22 13:21	1
Phenanthrene	ND		5.0	0.44	ug/L		08/22/22 08:19	08/23/22 13:21	1
Phenol	ND		5.0	0.39	ug/L		08/22/22 08:19	08/23/22 13:21	1
Pyrene	ND		5.0	0.34	ug/L		08/22/22 08:19	08/23/22 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*41 - 120*	*08/22/22 08:19*	*08/23/22 13:21*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*08/22/22 08:19*	*08/23/22 13:21*	*1*
2-Fluorophenol	*60*		*35 - 120*	*08/22/22 08:19*	*08/23/22 13:21*	*1*
Nitrobenzene-d5	*77*		*46 - 120*	*08/22/22 08:19*	*08/23/22 13:21*	*1*
Phenol-d5	*44*		*22 - 120*	*08/22/22 08:19*	*08/23/22 13:21*	*1*
p-Terphenyl-d14	*90*		*60 - 148*	*08/22/22 08:19*	*08/23/22 13:21*	*1*

Lab Sample ID: LCS 480-638423/2-A
Matrix: Water
Analysis Batch: 638615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	29.3		ug/L		92	65 - 126
2,4,6-Trichlorophenol	32.0	27.4		ug/L		86	64 - 120
2,4-Dichlorophenol	32.0	29.2		ug/L		91	63 - 120
2,4-Dimethylphenol	32.0	29.9		ug/L		94	47 - 120
2,4-Dinitrophenol	64.0	57.0		ug/L		89	31 - 137
2,4-Dinitrotoluene	32.0	32.3		ug/L		101	69 - 120
2,6-Dinitrotoluene	32.0	30.7		ug/L		96	68 - 120
2-Chloronaphthalene	32.0	26.9		ug/L		84	58 - 120
2-Chlorophenol	32.0	27.0		ug/L		84	48 - 120
2-Methylnaphthalene	32.0	24.8		ug/L		78	59 - 120
2-Methylphenol	32.0	26.5		ug/L		83	39 - 120
2-Nitroaniline	32.0	34.2		ug/L		107	54 - 127
2-Nitrophenol	32.0	29.4		ug/L		92	52 - 125
3,3'-Dichlorobenzidine	64.0	51.8		ug/L		81	49 - 135
3-Nitroaniline	32.0	26.1		ug/L		81	51 - 120
4,6-Dinitro-2-methylphenol	64.0	63.4		ug/L		99	46 - 136

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

Lab Sample ID: LCS 480-638423/2-A
Matrix: Water
Analysis Batch: 638615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Bromophenyl phenyl ether	32.0	30.3		ug/L		95	65 - 120
4-Chloro-3-methylphenol	32.0	31.3		ug/L		98	61 - 123
4-Chloroaniline	32.0	25.4		ug/L		79	30 - 120
4-Chlorophenyl phenyl ether	32.0	28.3		ug/L		88	62 - 120
4-Methylphenol	32.0	26.7		ug/L		84	29 - 131
4-Nitroaniline	32.0	30.3		ug/L		95	65 - 120
4-Nitrophenol	64.0	46.5		ug/L		73	45 - 120
Acenaphthene	32.0	28.1		ug/L		88	60 - 120
Acenaphthylene	32.0	28.9		ug/L		90	63 - 120
Acetophenone	32.0	29.0		ug/L		91	45 - 120
Aniline	32.0	23.6		ug/L		74	12 - 120
Anthracene	32.0	31.1		ug/L		97	67 - 120
Atrazine	64.0	71.1		ug/L		111	71 - 130
Benzaldehyde	64.0	58.4		ug/L		91	10 - 140
Benzo(a)anthracene	32.0	29.6		ug/L		93	70 - 121
Benzo(a)pyrene	32.0	31.1		ug/L		97	60 - 123
Benzo(b)fluoranthene	32.0	31.0		ug/L		97	66 - 126
Benzo(g,h,i)perylene	32.0	31.0		ug/L		97	66 - 150
Benzo(k)fluoranthene	32.0	31.3		ug/L		98	65 - 124
Biphenyl	32.0	27.3		ug/L		85	59 - 120
bis (2-chloroisopropyl) ether	32.0	33.7		ug/L		105	21 - 136
Bis(2-chloroethoxy)methane	32.0	29.5		ug/L		92	50 - 128
Bis(2-chloroethyl)ether	32.0	29.2		ug/L		91	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.7		ug/L		96	63 - 139
Butyl benzyl phthalate	32.0	30.3		ug/L		95	70 - 129
Caprolactam	64.0	22.1		ug/L		34	22 - 120
Carbazole	32.0	33.7		ug/L		105	66 - 123
Chrysene	32.0	29.5		ug/L		92	69 - 120
Dibenz(a,h)anthracene	32.0	30.7		ug/L		96	65 - 135
Dibenzofuran	32.0	29.1		ug/L		91	66 - 120
Diethyl phthalate	32.0	30.9		ug/L		96	59 - 127
Dimethyl phthalate	32.0	30.6		ug/L		96	68 - 120
Di-n-butyl phthalate	32.0	33.4		ug/L		104	69 - 131
Di-n-octyl phthalate	32.0	30.3		ug/L		95	63 - 140
Fluoranthene	32.0	32.2		ug/L		100	69 - 126
Fluorene	32.0	29.3		ug/L		92	66 - 120
Hexachlorobenzene	32.0	30.4		ug/L		95	61 - 120
Hexachlorobutadiene	32.0	20.2		ug/L		63	35 - 120
Hexachlorocyclopentadiene	32.0	10.1		ug/L		32	31 - 120
Hexachloroethane	32.0	20.8		ug/L		65	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	31.4		ug/L		98	69 - 146
Isophorone	32.0	31.4		ug/L		98	55 - 120
Naphthalene	32.0	26.1		ug/L		81	57 - 120
Nitrobenzene	32.0	30.8		ug/L		96	53 - 123
N-Nitrosodi-n-propylamine	32.0	31.1		ug/L		97	32 - 140
N-Nitrosodiphenylamine	32.0	30.9		ug/L		96	61 - 120
Pentachlorophenol	64.0	48.6		ug/L		76	29 - 136
Phenanthrene	32.0	30.6		ug/L		96	68 - 120
Phenol	32.0	18.5		ug/L		58	17 - 120

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

Lab Sample ID: LCS 480-638423/2-A
Matrix: Water
Analysis Batch: 638615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638423

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			32.0	28.9		ug/L		90	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*94*		*41 - 120*
2-Fluorobiphenyl	*89*		*48 - 120*
2-Fluorophenol	*71*		*35 - 120*
Nitrobenzene-d5	*88*		*46 - 120*
Phenol-d5	*56*		*22 - 120*
p-Terphenyl-d14	*93*		*60 - 148*

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638615

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		32.0	26.2		ug/L		82	65 - 126
2,4,6-Trichlorophenol	ND	F2	32.0	26.3		ug/L		82	64 - 120
2,4-Dichlorophenol	ND	F2	32.0	28.1		ug/L		88	48 - 132
2,4-Dimethylphenol	ND		32.0	27.8		ug/L		87	39 - 130
2,4-Dinitrophenol	ND		64.0	55.1		ug/L		86	21 - 150
2,4-Dinitrotoluene	ND		32.0	29.9		ug/L		93	54 - 138
2,6-Dinitrotoluene	ND		32.0	29.3		ug/L		92	17 - 150
2-Chloronaphthalene	ND	F2	32.0	24.3	J	ug/L		76	52 - 124
2-Methylnaphthalene	ND	F2	32.0	22.5	J	ug/L		70	34 - 140
2-Methylphenol	ND		32.0	24.4	J	ug/L		76	46 - 120
2-Nitroaniline	ND	F2	32.0	33.5	J	ug/L		105	44 - 136
2-Nitrophenol	ND	F2	32.0	28.5		ug/L		89	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	47.0		ug/L		73	10 - 150
3-Nitroaniline	ND		32.0	27.4	J	ug/L		85	32 - 150
4,6-Dinitro-2-methylphenol	ND	F2	64.0	61.4		ug/L		96	38 - 150
4-Bromophenyl phenyl ether	ND	F2	32.0	28.7		ug/L		90	63 - 126
4-Chloro-3-methylphenol	ND		32.0	29.8		ug/L		93	64 - 127
4-Chloroaniline	ND		32.0	24.5	J	ug/L		77	16 - 124
4-Chlorophenyl phenyl ether	ND	F2	32.0	26.5		ug/L		83	61 - 120
4-Methylphenol	ND	F2	32.0	24.4	J	ug/L		76	36 - 120
4-Nitroaniline	ND		32.0	28.6	J	ug/L		90	32 - 150
4-Nitrophenol	ND		64.0	47.3	J	ug/L		74	23 - 132
Acenaphthene	ND		32.0	25.6		ug/L		80	48 - 120
Acenaphthylene	ND	F2	32.0	26.0		ug/L		81	63 - 120
Acetophenone	ND	F2	32.0	27.7		ug/L		87	53 - 120
Aniline	ND		32.0	23.1	J	ug/L		72	32 - 120
Anthracene	ND		32.0	28.9		ug/L		90	65 - 122
Atrazine	ND		64.0	63.2		ug/L		99	50 - 150
Benzaldehyde	ND	F2	64.0	54.8		ug/L		86	10 - 150
Benzo(a)anthracene	ND		32.0	26.8		ug/L		84	43 - 124
Benzo(a)pyrene	ND		32.0	26.1		ug/L		82	23 - 125
Benzo(b)fluoranthene	ND		32.0	25.9		ug/L		81	27 - 127
Benzo(g,h,i)perylene	ND		32.0	23.1	J	ug/L		72	16 - 147

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

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638615

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo(k)fluoranthene	ND		32.0	27.4		ug/L		86	20 - 124
Biphenyl	ND	F2	32.0	24.8	J	ug/L		78	57 - 120
bis (2-chloroisopropyl) ether	ND	F2	32.0	29.5		ug/L		92	28 - 121
Bis(2-chloroethoxy)methane	ND	F2	32.0	27.7		ug/L		86	44 - 128
Bis(2-chloroethyl)ether	ND	F2	32.0	26.3		ug/L		82	45 - 120
Bis(2-ethylhexyl) phthalate	ND	F2	32.0	25.9		ug/L		81	16 - 150
Butyl benzyl phthalate	ND		32.0	26.9		ug/L		84	51 - 140
Caprolactam	ND		64.0	22.1	J	ug/L		35	10 - 120
Carbazole	ND		32.0	33.1		ug/L		103	16 - 148
Chrysene	ND		32.0	26.9		ug/L		84	44 - 122
Dibenz(a,h)anthracene	ND		32.0	23.7	J	ug/L		74	16 - 139
Dibenzofuran	ND	F2	32.0	26.8	J	ug/L		84	60 - 120
Diethyl phthalate	ND	F2	32.0	28.7		ug/L		90	53 - 133
Dimethyl phthalate	ND	F2	32.0	28.6		ug/L		89	59 - 123
Di-n-butyl phthalate	ND		32.0	30.4		ug/L		95	65 - 129
Di-n-octyl phthalate	ND	F2	32.0	26.8		ug/L		84	16 - 150
Fluoranthene	ND		32.0	30.1		ug/L		94	63 - 129
Fluorene	ND	F2	32.0	26.9		ug/L		84	62 - 120
Hexachlorobenzene	ND		32.0	27.7		ug/L		86	57 - 121
Hexachlorobutadiene	ND		32.0	18.8	J	ug/L		59	37 - 120
Hexachlorocyclopentadiene	ND	F1	32.0	6.60	J	ug/L		21	21 - 120
Hexachloroethane	ND		32.0	18.7	J	ug/L		58	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	24.0	J	ug/L		75	16 - 140
Isophorone	ND	F2	32.0	28.6		ug/L		89	48 - 133
Naphthalene	ND		32.0	29.1		ug/L		91	45 - 120
Nitrobenzene	ND	F2	32.0	28.6		ug/L		89	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	26.8		ug/L		84	49 - 120
N-Nitrosodiphenylamine	ND	F2	32.0	29.3		ug/L		92	39 - 138
Pentachlorophenol	ND		64.0	39.4	J	ug/L		62	23 - 149
Phenanthrene	ND	F2	32.0	30.2		ug/L		94	65 - 122
Phenol	4.4	J	32.0	23.7	J	ug/L		60	16 - 120
Pyrene	ND		32.0	27.5		ug/L		86	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*93*		*41 - 120*
2-Fluorobiphenyl	*81*		*48 - 120*
2-Fluorophenol	*67*		*35 - 120*
Nitrobenzene-d5	*77*		*46 - 120*
Phenol-d5	*50*		*22 - 120*
p-Terphenyl-d14	*67*		*60 - 148*

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638615

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		32.0	22.0	J	ug/L		69	65 - 126	17	18
2,4,6-Trichlorophenol	ND	F2	32.0	21.1	J F2	ug/L		66	64 - 120	22	19

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

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638615

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol	ND	F2	32.0	21.6	J F2	ug/L		68	48 - 132	26	19
2,4-Dimethylphenol	ND		32.0	21.2	J	ug/L		66	39 - 130	27	42
2,4-Dinitrophenol	ND		64.0	48.0	J	ug/L		75	21 - 150	14	22
2,4-Dinitrotoluene	ND		32.0	25.5		ug/L		80	54 - 138	16	20
2,6-Dinitrotoluene	ND		32.0	25.1		ug/L		79	17 - 150	15	15
2-Chloronaphthalene	ND	F2	32.0	17.8	J F2	ug/L		56	52 - 124	31	21
2-Methylnaphthalene	ND	F2	32.0	17.2	J F2	ug/L		54	34 - 140	27	21
2-Methylphenol	ND		32.0	19.3	J	ug/L		60	46 - 120	24	27
2-Nitroaniline	ND	F2	32.0	27.9	J F2	ug/L		87	44 - 136	18	15
2-Nitrophenol	ND	F2	32.0	22.2	J F2	ug/L		70	38 - 141	25	18
3,3'-Dichlorobenzidine	ND		64.0	42.3		ug/L		66	10 - 150	10	25
3-Nitroaniline	ND		32.0	24.9	J	ug/L		78	32 - 150	9	19
4,6-Dinitro-2-methylphenol	ND	F2	64.0	51.9	F2	ug/L		81	38 - 150	17	15
4-Bromophenyl phenyl ether	ND	F2	32.0	23.4	J F2	ug/L		73	63 - 126	20	15
4-Chloro-3-methylphenol	ND		32.0	24.0	J	ug/L		75	64 - 127	21	27
4-Chloroaniline	ND		32.0	20.5	J	ug/L		64	16 - 124	18	22
4-Chlorophenyl phenyl ether	ND	F2	32.0	21.7	J F2	ug/L		68	61 - 120	20	16
4-Methylphenol	ND	F2	32.0	18.6	J F2	ug/L		58	36 - 120	27	24
4-Nitroaniline	ND		32.0	24.4	J	ug/L		76	32 - 150	16	24
4-Nitrophenol	ND		64.0	41.1	J	ug/L		64	23 - 132	14	48
Acenaphthene	ND		32.0	20.4	J	ug/L		64	48 - 120	23	24
Acenaphthylene	ND	F2	32.0	20.6	J F2	ug/L		64	63 - 120	23	18
Acetophenone	ND	F2	32.0	21.9	J F2	ug/L		69	53 - 120	23	20
Aniline	ND		32.0	17.7	J	ug/L		55	32 - 120	27	30
Anthracene	ND		32.0	25.2		ug/L		79	65 - 122	14	15
Atrazine	ND		64.0	54.0		ug/L		84	50 - 150	16	20
Benzaldehyde	ND	F2	64.0	40.1	F2	ug/L		63	10 - 150	31	20
Benzo(a)anthracene	ND		32.0	23.8	J	ug/L		74	43 - 124	12	15
Benzo(a)pyrene	ND		32.0	22.9	J	ug/L		72	23 - 125	13	15
Benzo(b)fluoranthene	ND		32.0	23.4	J	ug/L		73	27 - 127	10	15
Benzo(g,h,i)perylene	ND		32.0	22.7	J	ug/L		71	16 - 147	2	15
Benzo(k)fluoranthene	ND		32.0	23.8	J	ug/L		74	20 - 124	14	22
Biphenyl	ND	F2	32.0	19.0	J F2	ug/L		60	57 - 120	26	20
bis (2-chloroisopropyl) ether	ND	F2	32.0	22.7	J F2	ug/L		71	28 - 121	26	24
Bis(2-chloroethoxy)methane	ND	F2	32.0	20.8	J F2	ug/L		65	44 - 128	28	17
Bis(2-chloroethyl)ether	ND	F2	32.0	20.4	J F2	ug/L		64	45 - 120	25	21
Bis(2-ethylhexyl) phthalate	ND	F2	32.0	21.6	J F2	ug/L		67	16 - 150	18	15
Butyl benzyl phthalate	ND		32.0	23.0	J	ug/L		72	51 - 140	16	16
Caprolactam	ND		64.0	20.3	J	ug/L		32	10 - 120	8	20
Carbazole	ND		32.0	28.7		ug/L		90	16 - 148	14	20
Chrysene	ND		32.0	24.0	J	ug/L		75	44 - 122	11	15
Dibenz(a,h)anthracene	ND		32.0	21.9	J	ug/L		69	16 - 139	8	15
Dibenzofuran	ND	F2	32.0	22.0	J F2	ug/L		69	60 - 120	19	15
Diethyl phthalate	ND	F2	32.0	24.4	J F2	ug/L		76	53 - 133	16	15
Dimethyl phthalate	ND	F2	32.0	24.0	J F2	ug/L		75	59 - 123	17	15
Di-n-butyl phthalate	ND		32.0	26.9		ug/L		84	65 - 129	12	15
Di-n-octyl phthalate	ND	F2	32.0	22.2	J F2	ug/L		69	16 - 150	19	16
Fluoranthene	ND		32.0	26.8		ug/L		84	63 - 129	12	15
Fluorene	ND	F2	32.0	21.9	J F2	ug/L		68	62 - 120	20	15

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

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638615

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobenzene	ND		32.0	24.1	J	ug/L		75	57 - 121	14	15
Hexachlorobutadiene	ND		32.0	13.3	J	ug/L		42	37 - 120	34	44
Hexachlorocyclopentadiene	ND	F1	32.0	4.99	J F1	ug/L		16	21 - 120	28	49
Hexachloroethane	ND		32.0	12.7	J	ug/L		40	16 - 130	38	46
Indeno(1,2,3-cd)pyrene	ND		32.0	22.3	J	ug/L		70	16 - 140	7	15
Isophorone	ND	F2	32.0	22.5	J F2	ug/L		70	48 - 133	24	17
Naphthalene	ND		32.0	21.9	J	ug/L		68	45 - 120	28	29
Nitrobenzene	ND	F2	32.0	21.9	J F2	ug/L		68	45 - 123	27	24
N-Nitrosodi-n-propylamine	ND		32.0	19.7	J	ug/L		62	49 - 120	31	31
N-Nitrosodiphenylamine	ND	F2	32.0	24.7	J F2	ug/L		77	39 - 138	17	15
Pentachlorophenol	ND		64.0	31.5	J	ug/L		49	23 - 149	22	37
Phenanthrene	ND	F2	32.0	25.8	F2	ug/L		81	65 - 122	16	15
Phenol	4.4	J	32.0	17.9	J	ug/L		42	16 - 120	28	34
Pyrene	ND		32.0	23.8	J	ug/L		74	58 - 128	14	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*75*		*41 - 120*
2-Fluorobiphenyl	*64*		*48 - 120*
2-Fluorophenol	*50*		*35 - 120*
Nitrobenzene-d5	*60*		*46 - 120*
Phenol-d5	*37*		*22 - 120*
p-Terphenyl-d14	*60*		*60 - 148*

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

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638817

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol - DL	500		32.0	724	4	ug/L		691	48 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol - DL	*100*		*41 - 120*
2-Fluorobiphenyl - DL	*66*		*48 - 120*
2-Fluorophenol - DL	*57*		*35 - 120*
Nitrobenzene-d5 - DL	*73*		*46 - 120*
Phenol-d5 - DL	*44*		*22 - 120*
p-Terphenyl-d14 - DL	*68*		*60 - 148*

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638817

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorophenol - DL	500		32.0	571	4	ug/L		211	48 - 120	24	25

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

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638817

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638423

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol - DL	86		41 - 120
2-Fluorobiphenyl - DL	49		48 - 120
2-Fluorophenol - DL	45		35 - 120
Nitrobenzene-d5 - DL	55		46 - 120
Phenol-d5 - DL	34		22 - 120
p-Terphenyl-d14 - DL	59	S1-	60 - 148

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-638122/1-A
Matrix: Water
Analysis Batch: 639060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/23/22 09:42	08/24/22 17:33	1
Antimony	ND		0.020	0.0068	mg/L		08/23/22 09:42	08/24/22 17:33	1
Arsenic	ND		0.015	0.0056	mg/L		08/23/22 09:42	08/24/22 17:33	1
Barium	ND		0.0020	0.00070	mg/L		08/23/22 09:42	08/24/22 17:33	1
Beryllium	ND		0.0020	0.00030	mg/L		08/23/22 09:42	08/24/22 17:33	1
Cadmium	ND		0.0020	0.00050	mg/L		08/23/22 09:42	08/24/22 17:33	1
Calcium	ND		0.50	0.10	mg/L		08/23/22 09:42	08/24/22 17:33	1
Chromium	ND		0.0040	0.0010	mg/L		08/23/22 09:42	08/24/22 17:33	1
Cobalt	ND		0.0040	0.00063	mg/L		08/23/22 09:42	08/24/22 17:33	1
Copper	ND		0.010	0.0016	mg/L		08/23/22 09:42	08/24/22 17:33	1
Iron	ND		0.050	0.019	mg/L		08/23/22 09:42	08/24/22 17:33	1
Lead	ND		0.010	0.0030	mg/L		08/23/22 09:42	08/24/22 17:33	1
Magnesium	ND		0.20	0.043	mg/L		08/23/22 09:42	08/24/22 17:33	1
Manganese	0.000580	J	0.0030	0.00040	mg/L		08/23/22 09:42	08/24/22 17:33	1
Nickel	ND		0.010	0.0013	mg/L		08/23/22 09:42	08/24/22 17:33	1
Potassium	0.194	J	0.50	0.10	mg/L		08/23/22 09:42	08/24/22 17:33	1
Selenium	ND		0.025	0.0087	mg/L		08/23/22 09:42	08/24/22 17:33	1
Silver	ND		0.0060	0.0017	mg/L		08/23/22 09:42	08/24/22 17:33	1
Sodium	0.920	J	1.0	0.32	mg/L		08/23/22 09:42	08/24/22 17:33	1
Thallium	ND		0.020	0.010	mg/L		08/23/22 09:42	08/24/22 17:33	1
Vanadium	ND		0.0050	0.0015	mg/L		08/23/22 09:42	08/24/22 17:33	1
Zinc	0.00231	J	0.010	0.0015	mg/L		08/23/22 09:42	08/24/22 17:33	1

Lab Sample ID: LCS 480-638122/2-A
Matrix: Water
Analysis Batch: 639060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.32		mg/L		93	80 - 120
Antimony	0.200	0.201		mg/L		100	80 - 120
Arsenic	0.200	0.198		mg/L		99	80 - 120
Barium	0.200	0.205		mg/L		103	80 - 120
Beryllium	0.200	0.198		mg/L		99	80 - 120
Cadmium	0.200	0.192		mg/L		96	80 - 120
Calcium	10.0	9.97		mg/L		100	80 - 120

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

Lab Sample ID: LCS 480-638122/2-A
Matrix: Water
Analysis Batch: 639060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.200	0.191		mg/L		96	80 - 120
Copper	0.200	0.206		mg/L		103	80 - 120
Iron	10.0	9.71		mg/L		97	80 - 120
Lead	0.200	0.193		mg/L		96	80 - 120
Magnesium	10.0	10.43		mg/L		104	80 - 120
Manganese	0.200	0.202		mg/L		101	80 - 120
Nickel	0.200	0.191		mg/L		95	80 - 120
Potassium	10.0	10.20		mg/L		102	80 - 120
Selenium	0.200	0.196		mg/L		98	80 - 120
Silver	0.0500	0.0510		mg/L		102	80 - 120
Sodium	10.0	10.32		mg/L		103	80 - 120
Thallium	0.200	0.198		mg/L		99	80 - 120
Vanadium	0.200	0.197		mg/L		99	80 - 120
Zinc	0.200	0.201		mg/L		100	80 - 120

Lab Sample ID: LCSD 480-638122/3-A
Matrix: Water
Analysis Batch: 639060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10.0	9.35		mg/L		93	80 - 120	0	20
Antimony	0.200	0.200		mg/L		100	80 - 120	0	20
Arsenic	0.200	0.203		mg/L		102	80 - 120	3	20
Barium	0.200	0.206		mg/L		103	80 - 120	0	20
Beryllium	0.200	0.197		mg/L		99	80 - 120	0	20
Cadmium	0.200	0.192		mg/L		96	80 - 120	0	20
Calcium	10.0	9.95		mg/L		99	80 - 120	0	20
Chromium	0.200	0.201		mg/L		101	80 - 120	0	20
Cobalt	0.200	0.190		mg/L		95	80 - 120	1	20
Copper	0.200	0.206		mg/L		103	80 - 120	0	20
Iron	10.0	9.69		mg/L		97	80 - 120	0	20
Lead	0.200	0.191		mg/L		96	80 - 120	1	20
Magnesium	10.0	10.48		mg/L		105	80 - 120	0	20
Manganese	0.200	0.203		mg/L		102	80 - 120	1	20
Nickel	0.200	0.191		mg/L		95	80 - 120	0	20
Potassium	10.0	10.20		mg/L		102	80 - 120	0	20
Selenium	0.200	0.196		mg/L		98	80 - 120	0	20
Silver	0.0500	0.0495		mg/L		99	80 - 120	3	20
Sodium	10.0	10.21		mg/L		102	80 - 120	1	20
Thallium	0.200	0.194		mg/L		97	80 - 120	2	20
Vanadium	0.200	0.198		mg/L		99	80 - 120	1	20
Zinc	0.200	0.201		mg/L		100	80 - 120	0	20

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

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 639060

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.075	J	10.0	9.87		mg/L		98	75 - 125
Antimony	ND		0.200	0.207		mg/L		104	75 - 125
Arsenic	0.0057	J	0.200	0.209		mg/L		101	75 - 125
Barium	0.041		0.200	0.236		mg/L		98	75 - 125
Beryllium	ND		0.200	0.195		mg/L		97	75 - 125
Cadmium	ND		0.200	0.197		mg/L		98	75 - 125
Calcium	284		10.0	285.2	4	mg/L		14	75 - 125
Chromium	0.0041		0.200	0.195		mg/L		95	75 - 125
Cobalt	0.0016	J	0.200	0.196		mg/L		97	75 - 125
Copper	0.0069	J	0.200	0.206		mg/L		100	75 - 125
Iron	1.5		10.0	10.67		mg/L		92	75 - 125
Lead	ND		0.200	0.196		mg/L		98	75 - 125
Magnesium	90.9		10.0	100.2	4	mg/L		92	75 - 125
Manganese	0.66	B F1	0.200	0.805	F1	mg/L		71	75 - 125
Nickel	0.023		0.200	0.198		mg/L		88	75 - 125
Potassium	4.7	B	10.0	14.58		mg/L		99	75 - 125
Selenium	ND		0.200	0.194		mg/L		97	75 - 125
Silver	ND		0.0500	0.0491		mg/L		98	75 - 125
Sodium	134	B	10.0	142.3	4	mg/L		81	75 - 125
Thallium	ND		0.200	0.192		mg/L		96	75 - 125
Vanadium	ND		0.200	0.196		mg/L		98	75 - 125
Zinc	0.0069	J B	0.200	0.185		mg/L		89	75 - 125

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 639060

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.075	J	10.0	10.07		mg/L		100	75 - 125	2	20
Antimony	ND		0.200	0.211		mg/L		105	75 - 125	2	20
Arsenic	0.0057	J	0.200	0.217		mg/L		106	75 - 125	4	20
Barium	0.041		0.200	0.242		mg/L		100	75 - 125	2	20
Beryllium	ND		0.200	0.199		mg/L		99	75 - 125	2	20
Cadmium	ND		0.200	0.203		mg/L		101	75 - 125	3	20
Calcium	284		10.0	296.2	4	mg/L		124	75 - 125	4	20
Chromium	0.0041		0.200	0.198		mg/L		97	75 - 125	2	20
Cobalt	0.0016	J	0.200	0.202		mg/L		100	75 - 125	3	20
Copper	0.0069	J	0.200	0.214		mg/L		104	75 - 125	4	20
Iron	1.5		10.0	11.22		mg/L		98	75 - 125	5	20
Lead	ND		0.200	0.204		mg/L		102	75 - 125	4	20
Magnesium	90.9		10.0	107.0	4	mg/L		160	75 - 125	7	20
Manganese	0.66	B F1	0.200	0.824		mg/L		81	75 - 125	2	20
Nickel	0.023		0.200	0.204		mg/L		91	75 - 125	3	20
Potassium	4.7	B	10.0	15.01		mg/L		103	75 - 125	3	20
Selenium	ND		0.200	0.204		mg/L		102	75 - 125	5	20
Silver	ND		0.0500	0.0517		mg/L		103	75 - 125	5	20
Sodium	134	B	10.0	150.6	4	mg/L		164	75 - 125	6	20
Thallium	ND		0.200	0.199		mg/L		99	75 - 125	4	20
Vanadium	ND		0.200	0.203		mg/L		102	75 - 125	3	20

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

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 639060

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	0.0069	J B	0.200	0.190		mg/L		92	75 - 125	3	20

Lab Sample ID: MB 480-638133/1-A
Matrix: Water
Analysis Batch: 639417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/18/22 16:37	08/26/22 18:35	1
Antimony	ND		0.020	0.0068	mg/L		08/18/22 16:37	08/26/22 18:35	1
Arsenic	ND		0.015	0.0056	mg/L		08/18/22 16:37	08/26/22 18:35	1
Barium	ND		0.0020	0.00070	mg/L		08/18/22 16:37	08/26/22 18:35	1
Beryllium	ND		0.0020	0.00030	mg/L		08/18/22 16:37	08/26/22 18:35	1
Cadmium	ND		0.0020	0.00050	mg/L		08/18/22 16:37	08/26/22 18:35	1
Calcium	ND		0.50	0.10	mg/L		08/18/22 16:37	08/26/22 18:35	1
Chromium	ND		0.0040	0.0010	mg/L		08/18/22 16:37	08/26/22 18:35	1
Cobalt	ND		0.0040	0.00063	mg/L		08/18/22 16:37	08/26/22 18:35	1
Copper	ND		0.010	0.0016	mg/L		08/18/22 16:37	08/26/22 18:35	1
Iron	ND		0.050	0.019	mg/L		08/18/22 16:37	08/26/22 18:35	1
Lead	ND		0.010	0.0030	mg/L		08/18/22 16:37	08/26/22 18:35	1
Magnesium	ND		0.20	0.043	mg/L		08/18/22 16:37	08/26/22 18:35	1
Manganese	ND		0.0030	0.00040	mg/L		08/18/22 16:37	08/26/22 18:35	1
Nickel	ND		0.010	0.0013	mg/L		08/18/22 16:37	08/26/22 18:35	1
Potassium	ND		0.50	0.10	mg/L		08/18/22 16:37	08/26/22 18:35	1
Selenium	ND		0.025	0.0087	mg/L		08/18/22 16:37	08/26/22 18:35	1
Silver	ND		0.0060	0.0017	mg/L		08/18/22 16:37	08/26/22 18:35	1
Sodium	ND		1.0	0.32	mg/L		08/18/22 16:37	08/26/22 18:35	1
Thallium	ND		0.020	0.010	mg/L		08/18/22 16:37	08/26/22 18:35	1
Vanadium	ND		0.0050	0.0015	mg/L		08/18/22 16:37	08/26/22 18:35	1
Zinc	ND		0.010	0.0015	mg/L		08/18/22 16:37	08/26/22 18:35	1

Lab Sample ID: LCS 480-638133/2-A
Matrix: Water
Analysis Batch: 639268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.54		mg/L		95	80 - 120
Antimony	0.200	0.199		mg/L		100	80 - 120
Arsenic	0.200	0.192		mg/L		96	80 - 120
Barium	0.200	0.205		mg/L		103	80 - 120
Beryllium	0.200	0.195		mg/L		97	80 - 120
Cadmium	0.200	0.189		mg/L		95	80 - 120
Calcium	10.0	9.60		mg/L		96	80 - 120
Chromium	0.200	0.194		mg/L		97	80 - 120
Cobalt	0.200	0.188		mg/L		94	80 - 120
Copper	0.200	0.197		mg/L		98	80 - 120
Iron	10.0	9.52		mg/L		95	80 - 120
Lead	0.200	0.186		mg/L		93	80 - 120
Magnesium	10.0	9.93		mg/L		99	80 - 120
Manganese	0.200	0.197		mg/L		98	80 - 120

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

Lab Sample ID: LCS 480-638133/2-A
Matrix: Water
Analysis Batch: 639268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.200	0.185		mg/L		92	80 - 120
Selenium	0.200	0.192		mg/L		96	80 - 120
Silver	0.0500	0.0473		mg/L		95	80 - 120
Thallium	0.200	0.191		mg/L		95	80 - 120
Vanadium	0.200	0.190		mg/L		95	80 - 120
Zinc	0.200	0.188		mg/L		94	80 - 120

Lab Sample ID: LCSD 480-638133/3-A
Matrix: Water
Analysis Batch: 639268

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 638133

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10.0	9.38		mg/L		94	80 - 120	2	20
Antimony	0.200	0.196		mg/L		98	80 - 120	2	20
Arsenic	0.200	0.194		mg/L		97	80 - 120	1	20
Barium	0.200	0.202		mg/L		101	80 - 120	2	20
Beryllium	0.200	0.193		mg/L		97	80 - 120	1	20
Cadmium	0.200	0.188		mg/L		94	80 - 120	1	20
Calcium	10.0	9.45		mg/L		94	80 - 120	2	20
Chromium	0.200	0.193		mg/L		96	80 - 120	1	20
Cobalt	0.200	0.186		mg/L		93	80 - 120	1	20
Copper	0.200	0.195		mg/L		97	80 - 120	1	20
Iron	10.0	9.39		mg/L		94	80 - 120	1	20
Lead	0.200	0.184		mg/L		92	80 - 120	1	20
Magnesium	10.0	9.79		mg/L		98	80 - 120	1	20
Manganese	0.200	0.194		mg/L		97	80 - 120	1	20
Nickel	0.200	0.182		mg/L		91	80 - 120	1	20
Selenium	0.200	0.188		mg/L		94	80 - 120	2	20
Silver	0.0500	0.0480		mg/L		96	80 - 120	1	20
Thallium	0.200	0.188		mg/L		94	80 - 120	1	20
Vanadium	0.200	0.189		mg/L		94	80 - 120	1	20
Zinc	0.200	0.186		mg/L		93	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-638388/1-A
Matrix: Water
Analysis Batch: 638504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/21/22 15:40	08/22/22 09:24	1

Lab Sample ID: LCS 480-638388/2-A
Matrix: Water
Analysis Batch: 638504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00667	0.00648		mg/L		97	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-200801-4 MS
Matrix: Ground Water
Analysis Batch: 638504

Client Sample ID: BCC Area E RFI-32A MS_0822
Prep Type: Total/NA
Prep Batch: 638388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00667	0.00655		mg/L		98	80 - 120		

Lab Sample ID: 480-200801-4 MSD
Matrix: Ground Water
Analysis Batch: 638504

Client Sample ID: BCC Area E RFI-32A MSD_0822
Prep Type: Total/NA
Prep Batch: 638388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00657		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 480-638642/1-A
Matrix: Water
Analysis Batch: 638746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		08/23/22 11:20	08/23/22 15:59	1

Lab Sample ID: LCS 480-638642/2-A
Matrix: Water
Analysis Batch: 638746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638642

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00667	0.00620		mg/L		93	80 - 120		

GC/MS VOA

Analysis Batch: 638035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	8260C	
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	8260C	
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	8260C	
MB 480-638035/8	Method Blank	Total/NA	Water	8260C	
LCS 480-638035/6	Lab Control Sample	Total/NA	Water	8260C	
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	8260C	
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	8260C	

Analysis Batch: 638202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	8260C	
480-200801-2 - DL	BCC Area E MW-E05_0822	Total/NA	Ground Water	8260C	
480-200801-4 - DL	BCC Area E RFI-32A_0822	Total/NA	Ground Water	8260C	
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	8260C	
480-200801-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-638202/7	Method Blank	Total/NA	Water	8260C	
LCS 480-638202/5	Lab Control Sample	Total/NA	Water	8260C	
480-200801-4 MS - DL	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	8260C	
480-200801-4 MSD - DL	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 638423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	3510C	
480-200801-1 - DL	BCC Area E D_0822	Total/NA	Ground Water	3510C	
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	3510C	
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	3510C	
480-200801-4 - DL	BCC Area E RFI-32A_0822	Total/NA	Ground Water	3510C	
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	3510C	
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	3510C	
MB 480-638423/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-638423/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-200801-4 MS - DL	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	3510C	
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	3510C	
480-200801-4 MSD - DL	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	3510C	
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	3510C	

Analysis Batch: 638615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	8270D	638423
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	8270D	638423
MB 480-638423/1-A	Method Blank	Total/NA	Water	8270D	638423
LCS 480-638423/2-A	Lab Control Sample	Total/NA	Water	8270D	638423
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	8270D	638423
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	8270D	638423

Analysis Batch: 638817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1 - DL	BCC Area E D_0822	Total/NA	Ground Water	8270D	638423
480-200801-4 - DL	BCC Area E RFI-32A_0822	Total/NA	Ground Water	8270D	638423

GC/MS Semi VOA (Continued)

Analysis Batch: 638817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-4 MS - DL	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	8270D	638423
480-200801-4 MSD - DL	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	8270D	638423

Analysis Batch: 638821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	8270D	638423
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	8270D	638423
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	8270D	638423

Metals

Prep Batch: 638122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	3005A	
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	3005A	
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	3005A	
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	3005A	
MB 480-638122/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-638122/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-638122/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	3005A	
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	3005A	

Prep Batch: 638133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	3005A	
MB 480-638133/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-638133/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-638133/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 638388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	7470A	
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	7470A	
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	7470A	
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	7470A	
MB 480-638388/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-638388/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	7470A	
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	7470A	

Analysis Batch: 638504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	7470A	638388
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	7470A	638388
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	7470A	638388
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	7470A	638388
MB 480-638388/1-A	Method Blank	Total/NA	Water	7470A	638388
LCS 480-638388/2-A	Lab Control Sample	Total/NA	Water	7470A	638388
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	7470A	638388
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	7470A	638388

Metals

Prep Batch: 638642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	7470A	
MB 480-638642/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-638642/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 638746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	7470A	638642
MB 480-638642/1-A	Method Blank	Total/NA	Water	7470A	638642
LCS 480-638642/2-A	Lab Control Sample	Total/NA	Water	7470A	638642

Analysis Batch: 639060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-1	BCC Area E D_0822	Total/NA	Ground Water	6010C	638122
480-200801-2	BCC Area E MW-E05_0822	Total/NA	Ground Water	6010C	638122
480-200801-3	BCC Area E RFI-29_0822	Total/NA	Ground Water	6010C	638122
480-200801-4	BCC Area E RFI-32A_0822	Total/NA	Ground Water	6010C	638122
MB 480-638122/1-A	Method Blank	Total/NA	Water	6010C	638122
LCS 480-638122/2-A	Lab Control Sample	Total/NA	Water	6010C	638122
LCSD 480-638122/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	638122
480-200801-4 MS	BCC Area E RFI-32A MS_0822	Total/NA	Ground Water	6010C	638122
480-200801-4 MSD	BCC Area E RFI-32A MSD_0822	Total/NA	Ground Water	6010C	638122

Analysis Batch: 639268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-200801-5	BCC Area E RFI-33_0822	Total/NA	Ground Water	6010C	638133
LCS 480-638133/2-A	Lab Control Sample	Total/NA	Water	6010C	638133
LCSD 480-638133/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	638133

Analysis Batch: 639417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-638133/1-A	Method Blank	Total/NA	Water	6010C	638133

Lab Chronicle

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E D_0822

Lab Sample ID: 480-200801-1

Date Collected: 08/17/22 12:00
Date Received: 08/17/22 15:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2500	638202	AXK	EET BUF	08/19/22 20:57
Total/NA	Prep	3510C			638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D		1	638615	JMM	EET BUF	08/23/22 20:11
Total/NA	Prep	3510C	DL		638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D	DL	20	638817	JMM	EET BUF	08/25/22 04:50
Total/NA	Prep	3005A			638122	NZG	EET BUF	08/23/22 09:42
Total/NA	Analysis	6010C		1	639060	LMH	EET BUF	08/24/22 19:08
Total/NA	Prep	7470A			638388	NVK	EET BUF	08/21/22 15:40
Total/NA	Analysis	7470A		1	638504	NVK	EET BUF	08/22/22 09:32

Client Sample ID: BCC Area E MW-E05_0822

Lab Sample ID: 480-200801-2

Date Collected: 08/17/22 11:35
Date Received: 08/17/22 15:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	638035	AXK	EET BUF	08/19/22 06:33
Total/NA	Analysis	8260C	DL	20	638202	AXK	EET BUF	08/19/22 13:43
Total/NA	Prep	3510C			638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D		1	638821	JMM	EET BUF	08/25/22 07:34
Total/NA	Prep	3005A			638122	NZG	EET BUF	08/23/22 09:42
Total/NA	Analysis	6010C		1	639060	LMH	EET BUF	08/24/22 19:12
Total/NA	Prep	7470A			638642	NVK	EET BUF	08/23/22 11:20
Total/NA	Analysis	7470A		1	638746	NVK	EET BUF	08/23/22 16:25

Client Sample ID: BCC Area E RFI-29_0822

Lab Sample ID: 480-200801-3

Date Collected: 08/17/22 12:35
Date Received: 08/17/22 15:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	638035	AXK	EET BUF	08/19/22 06:55
Total/NA	Prep	3510C			638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D		1	638821	JMM	EET BUF	08/25/22 08:01
Total/NA	Prep	3005A			638122	NZG	EET BUF	08/23/22 09:42
Total/NA	Analysis	6010C		1	639060	LMH	EET BUF	08/24/22 19:27
Total/NA	Prep	7470A			638388	NVK	EET BUF	08/21/22 15:40
Total/NA	Analysis	7470A		1	638504	NVK	EET BUF	08/22/22 09:34

Client Sample ID: BCC Area E RFI-32A_0822

Lab Sample ID: 480-200801-4

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 15:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	638035	AXK	EET BUF	08/19/22 07:17
Total/NA	Analysis	8260C	DL	4000	638202	AXK	EET BUF	08/19/22 14:05

Lab Chronicle

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

Job ID: 480-200801-1

Client Sample ID: BCC Area E RFI-32A_0822

Lab Sample ID: 480-200801-4

Date Collected: 08/17/22 10:20
Matrix: Ground Water
Date Received: 08/17/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D		5	638615	JMM	EET BUF	08/23/22 15:11
Total/NA	Prep	3510C	DL		638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D	DL	20	638817	JMM	EET BUF	08/25/22 04:23
Total/NA	Prep	3005A			638122	NZG	EET BUF	08/23/22 09:42
Total/NA	Analysis	6010C		1	639060	LMH	EET BUF	08/24/22 19:31
Total/NA	Prep	7470A			638388	NVK	EET BUF	08/21/22 15:40
Total/NA	Analysis	7470A		1	638504	NVK	EET BUF	08/22/22 09:36

Client Sample ID: BCC Area E RFI-33_0822

Lab Sample ID: 480-200801-5

Date Collected: 08/17/22 13:25
Matrix: Ground Water
Date Received: 08/17/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	638202	AXK	EET BUF	08/19/22 14:27
Total/NA	Prep	3510C			638423	MS	EET BUF	08/22/22 08:19
Total/NA	Analysis	8270D		1	638821	JMM	EET BUF	08/25/22 08:29
Total/NA	Prep	3005A			638133	NZG	EET BUF	08/18/22 16:37
Total/NA	Analysis	6010C		1	639268	BMB	EET BUF	08/25/22 20:53
Total/NA	Prep	7470A			638388	NVK	EET BUF	08/21/22 15:40
Total/NA	Analysis	7470A		1	638504	NVK	EET BUF	08/22/22 09:43

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-200801-6

Date Collected: 08/17/22 00:00
Matrix: Water
Date Received: 08/17/22 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	638202	AXK	EET BUF	08/19/22 15:02

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.
Job ID: 480-200801-1
Project/Site: Buffalo Color Area E Wells

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

Method Summary

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

Job ID: 480-200801-1

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: 480-200801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-200801-1	BCC Area E D_0822	Ground Water	08/17/22 12:00	08/17/22 15:00
480-200801-2	BCC Area E MW-E05_0822	Ground Water	08/17/22 11:35	08/17/22 15:00
480-200801-3	BCC Area E RFI-29_0822	Ground Water	08/17/22 12:35	08/17/22 15:00
480-200801-4	BCC Area E RFI-32A_0822	Ground Water	08/17/22 10:20	08/17/22 15:00
480-200801-5	BCC Area E RFI-33_0822	Ground Water	08/17/22 13:25	08/17/22 15:00
480-200801-6	TRIP BLANK	Water	08/17/22 00:00	08/17/22 15:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Taylor Kunzelmann	Lab PM: Schove, John R	Carrier Tracking No(s): OSC	COC No: 480-176202-6267.1
Client Contact: Kirsten Colligan	Phone: 716-480-3282	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: N.Y	Page: Page 1 of 1
Company: Ontario Specialty Contracting, Inc.	PWSID:			Job #:
Address: ~~308 Gansen St.~~ 140 Lee St	Due Date Requested:			
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY, ~~14203~~ 14210	Compliance Project: Δ Yes Δ No			
Phone: 716-856-3333	PO #: ~~65212~~ 65216			
Email: kcolligan@oscinc.com	WO #:			
Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Area	Project #: 48003159			
Site: New York	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, 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:
			Preservation Code:				D	A	N		
BCC Area E MW-E05	8/17/22	11:35	G	Water			X	X	X		
BCC Area E RFI-29	8/17/22	12:35	G	Water			X	X	X		
BCC Area E RFI-32A	8/17/22	1020	G	Water			X	X	X		
BCC Area E RFI-33	8/17/22	01:25	G	Water			X	X	X		
BCC Area E D	8/17/22	1200	G	Water			X	X	X		
BCC Area E MS	8/17/22	1020	G	Water			X	X	X		
BCC Area E MSD	8/17/22	1020	G	Water			X	X	X		
TRIP BLANK				Water							

480-200801 Chain of Custody

Preservation Codes:

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 - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		8/17/22 03:00	OSC		8-17-22 1500	TAB
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-200801-1

Login Number: 200801
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-192121-1
Client Project/Site: Buffalo Color Area E Wells
Sampling Event: Buffalo Color Area E Wells

For:
Ontario Specialty Contracting, Inc.
333 Ganson St.
Buffalo, New York 14203

Attn: Kirsten Colligan

Authorized for release by:
11/24/2021 3:44:31 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

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Definitions/Glossary

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

Job ID: 480-192121-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	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
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
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.

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.
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.
¤	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

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

Job ID: 480-192121-1

Job ID: 480-192121-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-192121-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2021 3:40 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 4.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-604623 recovered above the upper control limit for Bromoform, Carbon disulfide, Dibromochloromethane and Bromodichloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BCC Area E MW-E05_1121 (480-192121-1), BCC Area E RFI-29_1121 (480-192121-2), BCC Area E RFI-33_1121 (480-192121-3), TRIP BLANK (480-192121-4) and BCC Area E RFI-33 D_1121 (480-192121-5).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-604623 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, the data are reported.

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-604623 recovered outside control limits for the following analytes: Dibromochloromethane, Carbon disulfide and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-604623 recovered outside control limits for the following analyte: Dichlorodifluoromethane. Dichlorodifluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 480-604623 exceeded control limits for the following analytes: Dichlorodifluoromethane. Note that these analytes are known poor performers when analyzed using this method. Since the parent sample was non detect for these analytes and they showed up in a reporting limit check, the data is being reported. The following samples are impacted: BCC Area E RFI-33 MS_1121 (480-192121-3[MS]) and BCC Area E RFI-33 MSD_1121 (480-192121-3[MSD]).

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 480-604623 exceeded control limits for the following analyte: Dibromochloromethane, Carbon disulfide and Bromoform. Note that this analyte was biased high in the laboratory control sample(LCS). Since the parent sample was non detect for this analyte and the analyte showed up in a reporting limit check, the data is being reported. The following samples are impacted: BCC Area E RFI-33 MS_1121 (480-192121-3[MS]) and BCC Area E RFI-33 MSD_1121 (480-192121-3[MSD]).

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 480-605783 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 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 minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-605783 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 method blank for preparation batch 480-606091 contained Bis(2-ethylhexyl) phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound above the RL; therefore, re-extraction and/or re-analysis of samples were not performed.

Job ID: 480-192121-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8270D: Surrogate recovery for the following sample was outside control limits: BCC Area E MW-E05_1121 (480-192121-1). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

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
Method 3510C: The following sample was re-prepared outside of preparation holding time due to surrogate failures in the original extraction: BCC Area E MW-E05_1121 (480-192121-1).

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

Detection Summary

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121 — Lab Sample ID: 480-192121-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	5.1		1.0	0.75	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate - RE	0.40	J H B	5.0	0.31	ug/L	1		8270D	Total/NA
Barium	0.031		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.014		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	129		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0089		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.11		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.064		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.012		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	14.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.14		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.017		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	26.9		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	3.3		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-29_1121 — Lab Sample ID: 480-192121-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.7		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	0.81	J	1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	4.8		1.0	0.84	ug/L	1		8260C	Total/NA
Chlorobenzene	14		1.0	0.75	ug/L	1		8260C	Total/NA
Barium	0.14		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	129		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0012	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Iron	0.12		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	20.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0020	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	5.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	102		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0018	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33_1121 — Lab Sample ID: 480-192121-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.32		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.082		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	154		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.014		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0073	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.43		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	21.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.014		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.027		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	75.0		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0021	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0060	J	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 480-192121-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-192121-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: BCC Area E RFI-33 D_1121 — Lab Sample ID: 480-192121-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.28		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.083		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00059	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	156		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.016		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0080	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.48		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	21.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.015		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.028		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	76.4		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0024	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0059	J	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121
Date Collected: 11/09/21 09:05
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-1
Matrix: Ground Water

Method: 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			11/12/21 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 14:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 14:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 14:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 14:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 14:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 14:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 14:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/21 14:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 14:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 14:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/21 14:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/21 14:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 14:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 14:50	1
Acetone	ND		10	3.0	ug/L			11/12/21 14:50	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 14:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/21 14:50	1
Bromoform	ND	*+	1.0	0.26	ug/L			11/12/21 14:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 14:50	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			11/12/21 14:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 14:50	1
Chlorobenzene	**5.1**		1.0	0.75	ug/L			11/12/21 14:50	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 14:50	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 14:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 14:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 14:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 14:50	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 14:50	1
Dibromochloromethane	ND	*+	1.0	0.32	ug/L			11/12/21 14:50	1
Dichlorodifluoromethane	ND	*-	1.0	0.68	ug/L			11/12/21 14:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 14:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 14:50	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 14:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 14:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 14:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 14:50	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 14:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 14:50	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 14:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 14:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 14:50	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 14:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 14:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 14:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 14:50	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121

Date Collected: 11/09/21 09:05
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-1

Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/12/21 14:50*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/12/21 14:50*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*11/12/21 14:50*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/12/21 14:50*	*1*

Method: 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		11/11/21 14:56	11/20/21 05:18	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/21 14:56	11/20/21 05:18	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:18	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/21 14:56	11/20/21 05:18	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:18	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:18	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/21 14:56	11/20/21 05:18	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/20/21 05:18	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:18	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/21 14:56	11/20/21 05:18	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/21 14:56	11/20/21 05:18	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/21 14:56	11/20/21 05:18	1
Acenaphthene	ND		5.0	0.41	ug/L		11/11/21 14:56	11/20/21 05:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/11/21 14:56	11/20/21 05:18	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 05:18	1
Aniline	ND		10	0.61	ug/L		11/11/21 14:56	11/20/21 05:18	1
Anthracene	ND		5.0	0.28	ug/L		11/11/21 14:56	11/20/21 05:18	1
Atrazine	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:18	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/11/21 14:56	11/20/21 05:18	1
Biphenyl	ND		5.0	0.65	ug/L		11/11/21 14:56	11/20/21 05:18	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/21 14:56	11/20/21 05:18	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:18	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:18	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 05:18	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/21 14:56	11/20/21 05:18	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 05:18	1
Carbazole	ND		5.0	0.30	ug/L		11/11/21 14:56	11/20/21 05:18	1

Client Sample ID: BCC Area E MW-E05_1121
Date Collected: 11/09/21 09:05
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-1
Matrix: Ground Water

Method: 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		11/11/21 14:56	11/20/21 05:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/21 14:56	11/20/21 05:18	1
Dibenzofuran	ND		10	0.51	ug/L		11/11/21 14:56	11/20/21 05:18	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/21 14:56	11/20/21 05:18	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:18	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/21 14:56	11/20/21 05:18	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:18	1
Fluoranthene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:18	1
Fluorene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:18	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:18	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/21 14:56	11/20/21 05:18	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:18	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:18	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:18	1
Isophorone	ND		5.0	0.43	ug/L		11/11/21 14:56	11/20/21 05:18	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/21 14:56	11/20/21 05:18	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/21 14:56	11/20/21 05:18	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 05:18	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:18	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:18	1
Phenanthrene	ND		5.0	0.44	ug/L		11/11/21 14:56	11/20/21 05:18	1
Phenol	ND		5.0	0.39	ug/L		11/11/21 14:56	11/20/21 05:18	1
Pyrene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*20*	*S1-*	*41 - 120*	*11/11/21 14:56*	*11/20/21 05:18*	*1*
2-Fluorobiphenyl	*19*	*S1-*	*48 - 120*	*11/11/21 14:56*	*11/20/21 05:18*	*1*
2-Fluorophenol	*13*	*S1-*	*35 - 120*	*11/11/21 14:56*	*11/20/21 05:18*	*1*
Nitrobenzene-d5	*16*	*S1-*	*46 - 120*	*11/11/21 14:56*	*11/20/21 05:18*	*1*
Phenol-d5	*10*	*S1-*	*22 - 120*	*11/11/21 14:56*	*11/20/21 05:18*	*1*
p-Terphenyl-d14	*20*	*S1-*	*60 - 148*	*11/11/21 14:56*	*11/20/21 05:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/22/21 14:56	11/23/21 16:48	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/22/21 14:56	11/23/21 16:48	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/22/21 14:56	11/23/21 16:48	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/22/21 14:56	11/23/21 16:48	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/22/21 14:56	11/23/21 16:48	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/22/21 14:56	11/23/21 16:48	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121
Date Collected: 11/09/21 09:05
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/22/21 14:56	11/23/21 16:48	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/22/21 14:56	11/23/21 16:48	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/22/21 14:56	11/23/21 16:48	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/22/21 14:56	11/23/21 16:48	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/22/21 14:56	11/23/21 16:48	1
Aniline	ND	H	10	0.61	ug/L		11/22/21 14:56	11/23/21 16:48	1
Anthracene	ND	H	5.0	0.28	ug/L		11/22/21 14:56	11/23/21 16:48	1
Atrazine	ND	H	5.0	0.46	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzo(a)anthracene	ND	H	5.0	0.36	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzo(a)pyrene	ND	H	5.0	0.47	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzo(b)fluoranthene	ND	H	5.0	0.34	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzo(g,h,i)perylene	ND	H	5.0	0.35	ug/L		11/22/21 14:56	11/23/21 16:48	1
Benzo(k)fluoranthene	ND	H	5.0	0.73	ug/L		11/22/21 14:56	11/23/21 16:48	1
Biphenyl	ND	H	5.0	0.65	ug/L		11/22/21 14:56	11/23/21 16:48	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/22/21 14:56	11/23/21 16:48	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/22/21 14:56	11/23/21 16:48	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/22/21 14:56	11/23/21 16:48	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/22/21 14:56	11/23/21 16:48	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/22/21 14:56	11/23/21 16:48	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/22/21 14:56	11/23/21 16:48	1
Carbazole	ND	H	5.0	0.30	ug/L		11/22/21 14:56	11/23/21 16:48	1
Chrysene	ND	H	5.0	0.33	ug/L		11/22/21 14:56	11/23/21 16:48	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/22/21 14:56	11/23/21 16:48	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/22/21 14:56	11/23/21 16:48	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/22/21 14:56	11/23/21 16:48	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/22/21 14:56	11/23/21 16:48	1
Di-n-butyl phthalate	**0.40**	**J H B**	5.0	0.31	ug/L		11/22/21 14:56	11/23/21 16:48	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/22/21 14:56	11/23/21 16:48	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/22/21 14:56	11/23/21 16:48	1
Fluorene	ND	H	5.0	0.36	ug/L		11/22/21 14:56	11/23/21 16:48	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/22/21 14:56	11/23/21 16:48	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/22/21 14:56	11/23/21 16:48	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/22/21 14:56	11/23/21 16:48	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/22/21 14:56	11/23/21 16:48	1
Indeno(1,2,3-cd)pyrene	ND	H	5.0	0.47	ug/L		11/22/21 14:56	11/23/21 16:48	1
Isophorone	ND	H	5.0	0.43	ug/L		11/22/21 14:56	11/23/21 16:48	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/22/21 14:56	11/23/21 16:48	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/22/21 14:56	11/23/21 16:48	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/22/21 14:56	11/23/21 16:48	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/22/21 14:56	11/23/21 16:48	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/22/21 14:56	11/23/21 16:48	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/22/21 14:56	11/23/21 16:48	1
Phenol	ND	H	5.0	0.39	ug/L		11/22/21 14:56	11/23/21 16:48	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121
Date Collected: 11/09/21 09:05
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND	H	5.0	0.34	ug/L		11/22/21 14:56	11/23/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*41 - 120*	*11/22/21 14:56*	*11/23/21 16:48*	*1*
2-Fluorobiphenyl	*104*		*48 - 120*	*11/22/21 14:56*	*11/23/21 16:48*	*1*
2-Fluorophenol	*73*		*35 - 120*	*11/22/21 14:56*	*11/23/21 16:48*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*11/22/21 14:56*	*11/23/21 16:48*	*1*
Phenol-d5	*55*		*22 - 120*	*11/22/21 14:56*	*11/23/21 16:48*	*1*
p-Terphenyl-d14	*88*		*60 - 148*	*11/22/21 14:56*	*11/23/21 16:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/12/21 08:45	11/13/21 00:03	1
Antimony	ND		0.020	0.0068	mg/L		11/12/21 08:45	11/13/21 00:03	1
Arsenic	ND		0.015	0.0056	mg/L		11/12/21 08:45	11/13/21 00:03	1
Barium	**0.031**		0.0020	0.00070	mg/L		11/12/21 08:45	11/13/21 00:03	1
Beryllium	ND		0.0020	0.00030	mg/L		11/12/21 08:45	11/13/21 00:03	1
Cadmium	**0.014**		0.0020	0.00050	mg/L		11/12/21 08:45	11/13/21 00:03	1
Calcium	**129**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:03	1
Chromium	ND		0.0040	0.0010	mg/L		11/12/21 08:45	11/13/21 00:03	1
Cobalt	**0.0089**		0.0040	0.00063	mg/L		11/12/21 08:45	11/13/21 00:03	1
Copper	**0.11**		0.010	0.0016	mg/L		11/12/21 08:45	11/13/21 00:03	1
Iron	**0.064**		0.050	0.019	mg/L		11/12/21 08:45	11/13/21 00:03	1
Lead	**0.012**		0.010	0.0030	mg/L		11/12/21 08:45	11/13/21 00:03	1
Magnesium	**14.2**		0.20	0.043	mg/L		11/12/21 08:45	11/13/21 00:03	1
Manganese	**0.14**		0.0030	0.00040	mg/L		11/12/21 08:45	11/13/21 00:03	1
Nickel	**0.017**		0.010	0.0013	mg/L		11/12/21 08:45	11/13/21 00:03	1
Potassium	**4.3**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:03	1
Selenium	ND		0.025	0.0087	mg/L		11/12/21 08:45	11/13/21 00:03	1
Silver	ND		0.0060	0.0017	mg/L		11/12/21 08:45	11/13/21 00:03	1
Sodium	**26.9**		1.0	0.32	mg/L		11/12/21 08:45	11/13/21 00:03	1
Thallium	ND		0.020	0.010	mg/L		11/12/21 08:45	11/13/21 00:03	1
Vanadium	ND		0.0050	0.0015	mg/L		11/12/21 08:45	11/13/21 00:03	1
Zinc	**3.3**		0.010	0.0015	mg/L		11/12/21 08:45	11/13/21 00:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/21 09:55	11/15/21 14:01	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-29_1121
Date Collected: 11/09/21 12:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-2
Matrix: Ground Water

Method: 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			11/12/21 15:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 15:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 15:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 15:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 15:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 15:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 15:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 15:26	1
1,2-Dichlorobenzene	**2.7**		1.0	0.79	ug/L			11/12/21 15:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 15:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 15:26	1
1,3-Dichlorobenzene	**0.81**	**J**	1.0	0.78	ug/L			11/12/21 15:26	1
1,4-Dichlorobenzene	**4.8**		1.0	0.84	ug/L			11/12/21 15:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 15:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 15:26	1
Acetone	ND		10	3.0	ug/L			11/12/21 15:26	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 15:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/21 15:26	1
Bromoform	ND	*+	1.0	0.26	ug/L			11/12/21 15:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 15:26	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			11/12/21 15:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 15:26	1
Chlorobenzene	**14**		1.0	0.75	ug/L			11/12/21 15:26	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 15:26	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 15:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 15:26	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 15:26	1
Dibromochloromethane	ND	*+	1.0	0.32	ug/L			11/12/21 15:26	1
Dichlorodifluoromethane	ND	*-	1.0	0.68	ug/L			11/12/21 15:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 15:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 15:26	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 15:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 15:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 15:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 15:26	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 15:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 15:26	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 15:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 15:26	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 15:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 15:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 15:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 15:26	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-29_1121

Date Collected: 11/09/21 12:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-2

Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/12/21 15:26*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/12/21 15:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/12/21 15:26*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/12/21 15:26*	*1*

Method: 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		11/11/21 14:56	11/20/21 05:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/21 14:56	11/20/21 05:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/21 14:56	11/20/21 05:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/21 14:56	11/20/21 05:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/20/21 05:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:45	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/21 14:56	11/20/21 05:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/21 14:56	11/20/21 05:45	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/21 14:56	11/20/21 05:45	1
Acenaphthene	ND		5.0	0.41	ug/L		11/11/21 14:56	11/20/21 05:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/11/21 14:56	11/20/21 05:45	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 05:45	1
Aniline	ND		10	0.61	ug/L		11/11/21 14:56	11/20/21 05:45	1
Anthracene	ND		5.0	0.28	ug/L		11/11/21 14:56	11/20/21 05:45	1
Atrazine	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:45	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/11/21 14:56	11/20/21 05:45	1
Biphenyl	ND		5.0	0.65	ug/L		11/11/21 14:56	11/20/21 05:45	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/21 14:56	11/20/21 05:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 05:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 05:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/21 14:56	11/20/21 05:45	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 05:45	1
Carbazole	ND		5.0	0.30	ug/L		11/11/21 14:56	11/20/21 05:45	1

Client Sample ID: BCC Area E RFI-29_1121

Date Collected: 11/09/21 12:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-2

Matrix: Ground Water

Method: 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		11/11/21 14:56	11/20/21 05:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/21 14:56	11/20/21 05:45	1
Dibenzofuran	ND		10	0.51	ug/L		11/11/21 14:56	11/20/21 05:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/21 14:56	11/20/21 05:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:45	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/21 14:56	11/20/21 05:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:45	1
Fluoranthene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 05:45	1
Fluorene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 05:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/21 14:56	11/20/21 05:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 05:45	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 05:45	1
Isophorone	ND		5.0	0.43	ug/L		11/11/21 14:56	11/20/21 05:45	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/21 14:56	11/20/21 05:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/21 14:56	11/20/21 05:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 05:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 05:45	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 05:45	1
Phenanthrene	ND		5.0	0.44	ug/L		11/11/21 14:56	11/20/21 05:45	1
Phenol	ND		5.0	0.39	ug/L		11/11/21 14:56	11/20/21 05:45	1
Pyrene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*41 - 120*	*11/11/21 14:56*	*11/20/21 05:45*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/11/21 14:56*	*11/20/21 05:45*	*1*
2-Fluorophenol	*69*		*35 - 120*	*11/11/21 14:56*	*11/20/21 05:45*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*11/11/21 14:56*	*11/20/21 05:45*	*1*
Phenol-d5	*51*		*22 - 120*	*11/11/21 14:56*	*11/20/21 05:45*	*1*
p-Terphenyl-d14	*95*		*60 - 148*	*11/11/21 14:56*	*11/20/21 05:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/12/21 08:45	11/13/21 00:18	1
Antimony	ND		0.020	0.0068	mg/L		11/12/21 08:45	11/13/21 00:18	1
Arsenic	ND		0.015	0.0056	mg/L		11/12/21 08:45	11/13/21 00:18	1
Barium	**0.14**		0.0020	0.00070	mg/L		11/12/21 08:45	11/13/21 00:18	1
Beryllium	ND		0.0020	0.00030	mg/L		11/12/21 08:45	11/13/21 00:18	1
Cadmium	ND		0.0020	0.00050	mg/L		11/12/21 08:45	11/13/21 00:18	1
Calcium	**129**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:18	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		11/12/21 08:45	11/13/21 00:18	1
Cobalt	ND		0.0040	0.00063	mg/L		11/12/21 08:45	11/13/21 00:18	1
Copper	ND		0.010	0.0016	mg/L		11/12/21 08:45	11/13/21 00:18	1
Iron	**0.12**		0.050	0.019	mg/L		11/12/21 08:45	11/13/21 00:18	1
Lead	ND		0.010	0.0030	mg/L		11/12/21 08:45	11/13/21 00:18	1
Magnesium	**20.7**		0.20	0.043	mg/L		11/12/21 08:45	11/13/21 00:18	1
Manganese	**0.11**		0.0030	0.00040	mg/L		11/12/21 08:45	11/13/21 00:18	1
Nickel	**0.0020**	**J**	0.010	0.0013	mg/L		11/12/21 08:45	11/13/21 00:18	1
Potassium	**5.1**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:18	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-29_1121
Date Collected: 11/09/21 12:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		11/12/21 08:45	11/13/21 00:18	1
Silver	ND		0.0060	0.0017	mg/L		11/12/21 08:45	11/13/21 00:18	1
Sodium	**102**		1.0	0.32	mg/L		11/12/21 08:45	11/13/21 00:18	1
Thallium	ND		0.020	0.010	mg/L		11/12/21 08:45	11/13/21 00:18	1
Vanadium	ND		0.0050	0.0015	mg/L		11/12/21 08:45	11/13/21 00:18	1
Zinc	**0.0018**	**J**	0.010	0.0015	mg/L		11/12/21 08:45	11/13/21 00:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/21 09:55	11/15/21 14:02	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33_1121
Date Collected: 11/09/21 10:20
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-3
Matrix: Ground Water

Method: 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			11/12/21 15:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 15:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 15:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 15:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 15:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 15:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/21 15:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 15:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/21 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/21 15:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 15:48	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 15:48	1
Acetone	ND		10	3.0	ug/L			11/12/21 15:48	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 15:48	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			11/12/21 15:48	1
Bromoform	ND	*+ F1	1.0	0.26	ug/L			11/12/21 15:48	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 15:48	1
Carbon disulfide	ND	*+ F1	1.0	0.19	ug/L			11/12/21 15:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 15:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/21 15:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 15:48	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 15:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 15:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 15:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 15:48	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 15:48	1
Dibromochloromethane	ND	*+ F1	1.0	0.32	ug/L			11/12/21 15:48	1
Dichlorodifluoromethane	ND	*-	1.0	0.68	ug/L			11/12/21 15:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 15:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 15:48	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 15:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 15:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 15:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 15:48	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 15:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 15:48	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 15:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 15:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 15:48	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 15:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 15:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 15:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 15:48	1

Client Sample ID: BCC Area E RFI-33_1121

Lab Sample ID: 480-192121-3

Date Collected: 11/09/21 10:20

Matrix: Ground Water

Date Received: 11/10/21 15:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/12/21 15:48*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/12/21 15:48*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/12/21 15:48*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/12/21 15:48*	*1*

Method: 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		11/11/21 14:56	11/20/21 04:24	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/21 14:56	11/20/21 04:24	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 04:24	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/21 14:56	11/20/21 04:24	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 04:24	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 04:24	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/21 14:56	11/20/21 04:24	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/20/21 04:24	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 04:24	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/21 14:56	11/20/21 04:24	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/21 14:56	11/20/21 04:24	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/21 14:56	11/20/21 04:24	1
Acenaphthene	ND		5.0	0.41	ug/L		11/11/21 14:56	11/20/21 04:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/11/21 14:56	11/20/21 04:24	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 04:24	1
Aniline	ND		10	0.61	ug/L		11/11/21 14:56	11/20/21 04:24	1
Anthracene	ND		5.0	0.28	ug/L		11/11/21 14:56	11/20/21 04:24	1
Atrazine	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 04:24	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/11/21 14:56	11/20/21 04:24	1
Biphenyl	ND		5.0	0.65	ug/L		11/11/21 14:56	11/20/21 04:24	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/21 14:56	11/20/21 04:24	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 04:24	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 04:24	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 04:24	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/21 14:56	11/20/21 04:24	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 04:24	1
Carbazole	ND		5.0	0.30	ug/L		11/11/21 14:56	11/20/21 04:24	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33_1121
Date Collected: 11/09/21 10:20
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-3
Matrix: Ground Water

Method: 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		11/11/21 14:56	11/20/21 04:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/21 14:56	11/20/21 04:24	1
Dibenzofuran	ND		10	0.51	ug/L		11/11/21 14:56	11/20/21 04:24	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/21 14:56	11/20/21 04:24	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 04:24	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/21 14:56	11/20/21 04:24	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 04:24	1
Fluoranthene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 04:24	1
Fluorene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 04:24	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 04:24	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/21 14:56	11/20/21 04:24	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 04:24	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 04:24	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 04:24	1
Isophorone	ND		5.0	0.43	ug/L		11/11/21 14:56	11/20/21 04:24	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/21 14:56	11/20/21 04:24	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/21 14:56	11/20/21 04:24	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 04:24	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 04:24	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 04:24	1
Phenanthrene	ND		5.0	0.44	ug/L		11/11/21 14:56	11/20/21 04:24	1
Phenol	ND		5.0	0.39	ug/L		11/11/21 14:56	11/20/21 04:24	1
Pyrene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*41 - 120*	*11/11/21 14:56*	*11/20/21 04:24*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/11/21 14:56*	*11/20/21 04:24*	*1*
2-Fluorophenol	*68*		*35 - 120*	*11/11/21 14:56*	*11/20/21 04:24*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*11/11/21 14:56*	*11/20/21 04:24*	*1*
Phenol-d5	*52*		*22 - 120*	*11/11/21 14:56*	*11/20/21 04:24*	*1*
p-Terphenyl-d14	*101*		*60 - 148*	*11/11/21 14:56*	*11/20/21 04:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.32**		0.20	0.060	mg/L		11/12/21 08:45	11/13/21 00:22	1
Antimony	ND		0.020	0.0068	mg/L		11/12/21 08:45	11/13/21 00:22	1
Arsenic	ND		0.015	0.0056	mg/L		11/12/21 08:45	11/13/21 00:22	1
Barium	**0.082**		0.0020	0.00070	mg/L		11/12/21 08:45	11/13/21 00:22	1
Beryllium	ND		0.0020	0.00030	mg/L		11/12/21 08:45	11/13/21 00:22	1
Cadmium	ND		0.0020	0.00050	mg/L		11/12/21 08:45	11/13/21 00:22	1
Calcium	**154**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:22	1
Chromium	**0.014**		0.0040	0.0010	mg/L		11/12/21 08:45	11/13/21 00:22	1
Cobalt	ND		0.0040	0.00063	mg/L		11/12/21 08:45	11/13/21 00:22	1
Copper	**0.0073**	**J**	0.010	0.0016	mg/L		11/12/21 08:45	11/13/21 00:22	1
Iron	**0.43**		0.050	0.019	mg/L		11/12/21 08:45	11/13/21 00:22	1
Lead	ND		0.010	0.0030	mg/L		11/12/21 08:45	11/13/21 00:22	1
Magnesium	**21.1**		0.20	0.043	mg/L		11/12/21 08:45	11/13/21 00:22	1
Manganese	**0.014**		0.0030	0.00040	mg/L		11/12/21 08:45	11/13/21 00:22	1
Nickel	**0.027**		0.010	0.0013	mg/L		11/12/21 08:45	11/13/21 00:22	1
Potassium	**1.6**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:22	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33_1121

Date Collected: 11/09/21 10:20
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		11/12/21 08:45	11/13/21 00:22	1
Silver	ND		0.0060	0.0017	mg/L		11/12/21 08:45	11/13/21 00:22	1
Sodium	**75.0**		1.0	0.32	mg/L		11/12/21 08:45	11/13/21 00:22	1
Thallium	ND		0.020	0.010	mg/L		11/12/21 08:45	11/13/21 00:22	1
Vanadium	**0.0021**	**J**	0.0050	0.0015	mg/L		11/12/21 08:45	11/13/21 00:22	1
Zinc	**0.0060**	**J**	0.010	0.0015	mg/L		11/12/21 08:45	11/13/21 00:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/21 09:55	11/15/21 14:04	1

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

Job ID: 480-192121-1

Client Sample ID: TRIP BLANK
Date Collected: 11/09/21 00:00
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-4
Matrix: Water

Method: 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			11/12/21 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 16:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 16:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 16:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 16:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 16:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 16:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 16:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/21 16:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 16:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 16:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/21 16:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/21 16:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 16:10	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 16:10	1
Acetone	**4.0**	**J**	10	3.0	ug/L			11/12/21 16:10	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 16:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/21 16:10	1
Bromoform	ND	*+	1.0	0.26	ug/L			11/12/21 16:10	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 16:10	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			11/12/21 16:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 16:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/21 16:10	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 16:10	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 16:10	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 16:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 16:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 16:10	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 16:10	1
Dibromochloromethane	ND	*+	1.0	0.32	ug/L			11/12/21 16:10	1
Dichlorodifluoromethane	ND	*-	1.0	0.68	ug/L			11/12/21 16:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 16:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 16:10	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 16:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 16:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 16:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 16:10	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 16:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 16:10	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 16:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 16:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 16:10	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 16:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 16:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 16:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 16:10	1

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

Job ID: 480-192121-1

Client Sample ID: TRIP BLANK
Date Collected: 11/09/21 00:00
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/12/21 16:10	1
4-Bromofluorobenzene (Surr)	95		73 - 120		11/12/21 16:10	1
Toluene-d8 (Surr)	95		80 - 120		11/12/21 16:10	1
Dibromofluoromethane (Surr)	103		75 - 123		11/12/21 16:10	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33 D_1121
Date Collected: 11/09/21 10:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-5
Matrix: Water

Method: 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			11/12/21 16:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 16:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 16:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 16:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 16:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 16:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 16:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 16:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/21 16:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 16:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 16:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/21 16:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/21 16:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 16:32	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 16:32	1
Acetone	ND		10	3.0	ug/L			11/12/21 16:32	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 16:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/21 16:32	1
Bromoform	ND	*+	1.0	0.26	ug/L			11/12/21 16:32	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 16:32	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			11/12/21 16:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 16:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/21 16:32	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 16:32	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 16:32	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 16:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 16:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 16:32	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 16:32	1
Dibromochloromethane	ND	*+	1.0	0.32	ug/L			11/12/21 16:32	1
Dichlorodifluoromethane	ND	*-	1.0	0.68	ug/L			11/12/21 16:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 16:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 16:32	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 16:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 16:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 16:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 16:32	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 16:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 16:32	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 16:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 16:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 16:32	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 16:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 16:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 16:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 16:32	1

Client Sample ID: BCC Area E RFI-33 D_1121

Lab Sample ID: 480-192121-5

Date Collected: 11/09/21 10:30

Matrix: Water

Date Received: 11/10/21 15:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/12/21 16:32*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*11/12/21 16:32*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/12/21 16:32*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/12/21 16:32*	*1*

Method: 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		11/11/21 14:56	11/20/21 06:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/21 14:56	11/20/21 06:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 06:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/21 14:56	11/20/21 06:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 06:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 06:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/21 14:56	11/20/21 06:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/20/21 06:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 06:12	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/21 14:56	11/20/21 06:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/21 14:56	11/20/21 06:12	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/21 14:56	11/20/21 06:12	1
Acenaphthene	ND		5.0	0.41	ug/L		11/11/21 14:56	11/20/21 06:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/11/21 14:56	11/20/21 06:12	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 06:12	1
Aniline	ND		10	0.61	ug/L		11/11/21 14:56	11/20/21 06:12	1
Anthracene	ND		5.0	0.28	ug/L		11/11/21 14:56	11/20/21 06:12	1
Atrazine	ND		5.0	0.46	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 06:12	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/11/21 14:56	11/20/21 06:12	1
Biphenyl	ND		5.0	0.65	ug/L		11/11/21 14:56	11/20/21 06:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/21 14:56	11/20/21 06:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/21 14:56	11/20/21 06:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 06:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 06:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/21 14:56	11/20/21 06:12	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/21 14:56	11/20/21 06:12	1
Carbazole	ND		5.0	0.30	ug/L		11/11/21 14:56	11/20/21 06:12	1

Client Sample ID: BCC Area E RFI-33 D_1121

Date Collected: 11/09/21 10:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-5

Matrix: Water

Method: 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		11/11/21 14:56	11/20/21 06:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/21 14:56	11/20/21 06:12	1
Dibenzofuran	ND		10	0.51	ug/L		11/11/21 14:56	11/20/21 06:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/21 14:56	11/20/21 06:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 06:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/21 14:56	11/20/21 06:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 06:12	1
Fluoranthene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/20/21 06:12	1
Fluorene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/20/21 06:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 06:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/21 14:56	11/20/21 06:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 06:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/21 14:56	11/20/21 06:12	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/20/21 06:12	1
Isophorone	ND		5.0	0.43	ug/L		11/11/21 14:56	11/20/21 06:12	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/21 14:56	11/20/21 06:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/21 14:56	11/20/21 06:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/21 14:56	11/20/21 06:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/21 14:56	11/20/21 06:12	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/20/21 06:12	1
Phenanthrene	ND		5.0	0.44	ug/L		11/11/21 14:56	11/20/21 06:12	1
Phenol	ND		5.0	0.39	ug/L		11/11/21 14:56	11/20/21 06:12	1
Pyrene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/20/21 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*41 - 120*	*11/11/21 14:56*	*11/20/21 06:12*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/11/21 14:56*	*11/20/21 06:12*	*1*
2-Fluorophenol	*74*		*35 - 120*	*11/11/21 14:56*	*11/20/21 06:12*	*1*
Nitrobenzene-d5	*87*		*46 - 120*	*11/11/21 14:56*	*11/20/21 06:12*	*1*
Phenol-d5	*58*		*22 - 120*	*11/11/21 14:56*	*11/20/21 06:12*	*1*
p-Terphenyl-d14	*105*		*60 - 148*	*11/11/21 14:56*	*11/20/21 06:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.28**		0.20	0.060	mg/L		11/12/21 08:45	11/13/21 00:41	1
Antimony	ND		0.020	0.0068	mg/L		11/12/21 08:45	11/13/21 00:41	1
Arsenic	ND		0.015	0.0056	mg/L		11/12/21 08:45	11/13/21 00:41	1
Barium	**0.083**		0.0020	0.00070	mg/L		11/12/21 08:45	11/13/21 00:41	1
Beryllium	ND		0.0020	0.00030	mg/L		11/12/21 08:45	11/13/21 00:41	1
Cadmium	**0.00059**	**J**	0.0020	0.00050	mg/L		11/12/21 08:45	11/13/21 00:41	1
Calcium	**156**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:41	1
Chromium	**0.016**		0.0040	0.0010	mg/L		11/12/21 08:45	11/13/21 00:41	1
Cobalt	ND		0.0040	0.00063	mg/L		11/12/21 08:45	11/13/21 00:41	1
Copper	**0.0080**	**J**	0.010	0.0016	mg/L		11/12/21 08:45	11/13/21 00:41	1
Iron	**0.48**		0.050	0.019	mg/L		11/12/21 08:45	11/13/21 00:41	1
Lead	ND		0.010	0.0030	mg/L		11/12/21 08:45	11/13/21 00:41	1
Magnesium	**21.1**		0.20	0.043	mg/L		11/12/21 08:45	11/13/21 00:41	1
Manganese	**0.015**		0.0030	0.00040	mg/L		11/12/21 08:45	11/13/21 00:41	1
Nickel	**0.028**		0.010	0.0013	mg/L		11/12/21 08:45	11/13/21 00:41	1
Potassium	**1.6**		0.50	0.10	mg/L		11/12/21 08:45	11/13/21 00:41	1

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33 D_1121

Date Collected: 11/09/21 10:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		11/12/21 08:45	11/13/21 00:41	1
Silver	ND		0.0060	0.0017	mg/L		11/12/21 08:45	11/13/21 00:41	1
Sodium	**76.4**		1.0	0.32	mg/L		11/12/21 08:45	11/13/21 00:41	1
Thallium	ND		0.020	0.010	mg/L		11/12/21 08:45	11/13/21 00:41	1
Vanadium	**0.0024**	**J**	0.0050	0.0015	mg/L		11/12/21 08:45	11/13/21 00:41	1
Zinc	**0.0059**	**J**	0.010	0.0015	mg/L		11/12/21 08:45	11/13/21 00:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/21 09:55	11/15/21 14:09	1

Surrogate Summary

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

Job ID: 480-192121-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-192121-1	BCC Area E MW-E05_1121	99	94	91	98
480-192121-2	BCC Area E RFI-29_1121	100	100	98	100
480-192121-3	BCC Area E RFI-33_1121	102	103	99	104
480-192121-3 MS	BCC Area E RFI-33 MS_1121	99	95	95	102
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	99	103	99	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)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-192121-4	TRIP BLANK	101	95	95	103
480-192121-5	BCC Area E RFI-33 D_1121	104	113	103	107
LCS 480-604623/5	Lab Control Sample	97	100	97	103
MB 480-604623/7	Method Blank	100	108	102	102

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)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-192121-1	BCC Area E MW-E05_1121	20 S1-	19 S1-	13 S1-	16 S1-	10 S1-	20 S1-
480-192121-1 - RE	BCC Area E MW-E05_1121	112	104	73	88	55	88
480-192121-2	BCC Area E RFI-29_1121	112	99	69	80	51	95
480-192121-3	BCC Area E RFI-33_1121	114	99	68	85	52	101
480-192121-3 MS	BCC Area E RFI-33 MS_1121	116	98	69	88	52	75
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	117	94	68	86	52	94

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.
Job ID: 480-192121-1
Project/Site: Buffalo Color Area E Wells

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)		
480-192121-5	BCC Area E RFI-33 D_1121	116	99	74	87	58	105		
LCS 480-604534/2-A	Lab Control Sample	106	101	73	93	57	101		
LCS 480-606091/2-A	Lab Control Sample	119	107	77	100	61	112		
LCSD 480-606091/3-A	Lab Control Sample Dup	118	102	76	92	60	106		
MB 480-604534/1-A	Method Blank	80	95	73	82	54	103		
MB 480-606091/1-A	Method Blank	83	101	68	80	53	101		

Surrogate Legend

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

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

Job ID: 480-192121-1

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

Lab Sample ID: MB 480-604623/7
Matrix: Water
Analysis Batch: 604623

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			11/12/21 10:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/21 10:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/12/21 10:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/21 10:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/21 10:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/21 10:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/12/21 10:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/12/21 10:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/12/21 10:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/12/21 10:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/21 10:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/21 10:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/12/21 10:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/12/21 10:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/21 10:57	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/21 10:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/21 10:57	1
Acetone	ND		10	3.0	ug/L			11/12/21 10:57	1
Benzene	ND		1.0	0.41	ug/L			11/12/21 10:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/21 10:57	1
Bromoform	ND		1.0	0.26	ug/L			11/12/21 10:57	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/21 10:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/21 10:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/21 10:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/21 10:57	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/21 10:57	1
Chloroform	ND		1.0	0.34	ug/L			11/12/21 10:57	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/21 10:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/21 10:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/21 10:57	1
Cyclohexane	ND		1.0	0.18	ug/L			11/12/21 10:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/21 10:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/12/21 10:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/21 10:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/12/21 10:57	1
Methyl acetate	ND		2.5	1.3	ug/L			11/12/21 10:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/12/21 10:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/12/21 10:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/21 10:57	1
Styrene	ND		1.0	0.73	ug/L			11/12/21 10:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/21 10:57	1
Toluene	ND		1.0	0.51	ug/L			11/12/21 10:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/21 10:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/21 10:57	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/21 10:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/12/21 10:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/21 10:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/21 10:57	1

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

Lab Sample ID: MB 480-604623/7
Matrix: Water
Analysis Batch: 604623

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		11/12/21 10:57	1
4-Bromofluorobenzene (Surr)	108		73 - 120		11/12/21 10:57	1
Toluene-d8 (Surr)	102		80 - 120		11/12/21 10:57	1
Dibromofluoromethane (Surr)	102		75 - 123		11/12/21 10:57	1

Lab Sample ID: LCS 480-604623/5
Matrix: Water
Analysis Batch: 604623

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	24.9		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.9		ug/L		88	61 - 148
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	122		ug/L		98	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	29.7		ug/L		119	80 - 122
Bromoform	25.0	38.6	*+	ug/L		154	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	35.2	*+	ug/L		141	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		107	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	23.1		ug/L		93	73 - 127
Chloromethane	25.0	17.7		ug/L		71	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		99	74 - 124
Cyclohexane	25.0	21.5		ug/L		86	59 - 135
Dibromochloromethane	25.0	35.7	*+	ug/L		143	75 - 125
Dichlorodifluoromethane	25.0	13.0	*-	ug/L		52	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.9		ug/L		95	77 - 122
Methyl acetate	50.0	47.2		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	25.8		ug/L		103	77 - 120
Methylcyclohexane	25.0	21.5		ug/L		86	68 - 134

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

Lab Sample ID: LCS 480-604623/5
Matrix: Water
Analysis Batch: 604623

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	23.3		ug/L		93	75 - 124
Styrene	25.0	24.6		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	20.9		ug/L		84	62 - 150
Vinyl chloride	25.0	19.1		ug/L		76	65 - 133
Xylenes, Total	50.0	48.4		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 604623

Client Sample ID: BCC Area E RFI-33 MS_1121
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	30.0		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.1		ug/L		109	76 - 120
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	26.3		ug/L		105	76 - 122
1,1-Dichloroethane	ND		25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	ND		25.0	28.2		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	27.1		ug/L		108	56 - 134
1,2-Dibromoethane	ND		25.0	28.3		ug/L		113	77 - 120
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	ND		25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	ND		25.0	28.5		ug/L		114	76 - 120
1,3-Dichlorobenzene	ND		25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		25.0	25.9		ug/L		104	78 - 124
2-Butanone (MEK)	ND		125	127		ug/L		102	57 - 140
2-Hexanone	ND		125	133		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	71 - 125
Acetone	ND		125	116		ug/L		93	56 - 142
Benzene	ND		25.0	28.2		ug/L		113	71 - 124
Bromodichloromethane	ND	F1	25.0	33.5	F1	ug/L		134	80 - 122
Bromoform	ND	*+ F1	25.0	39.2	F1	ug/L		157	61 - 132
Bromomethane	ND		25.0	26.1		ug/L		104	55 - 144
Carbon disulfide	ND	*+ F1	25.0	38.5	F1	ug/L		154	59 - 134
Carbon tetrachloride	ND		25.0	33.1		ug/L		133	72 - 134
Chlorobenzene	ND		25.0	26.8		ug/L		107	80 - 120
Chloroethane	ND		25.0	25.6		ug/L		102	69 - 136

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

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 604623

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		25.0	26.6		ug/L		106	73 - 127
Chloromethane	ND		25.0	22.4		ug/L		90	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.4		ug/L		109	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.5		ug/L		110	74 - 124
Cyclohexane	ND		25.0	27.5		ug/L		110	59 - 135
Dibromochloromethane	ND	*+ F1	25.0	38.0	F1	ug/L		152	75 - 125
Dichlorodifluoromethane	ND	*-	25.0	16.1		ug/L		65	59 - 135
Ethylbenzene	ND		25.0	27.8		ug/L		111	77 - 123
Isopropylbenzene	ND		25.0	28.0		ug/L		112	77 - 122
Methyl acetate	ND		50.0	48.4		ug/L		97	74 - 133
Methyl tert-butyl ether	ND		25.0	27.1		ug/L		108	77 - 120
Methylcyclohexane	ND		25.0	27.4		ug/L		110	68 - 134
Methylene Chloride	ND		25.0	25.4		ug/L		102	75 - 124
Styrene	ND		25.0	27.9		ug/L		112	80 - 120
Tetrachloroethene	ND		25.0	29.4		ug/L		117	74 - 122
Toluene	ND		25.0	27.5		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	80 - 120
Trichloroethene	ND		25.0	28.9		ug/L		115	74 - 123
Trichlorofluoromethane	ND		25.0	27.7		ug/L		111	62 - 150
Vinyl chloride	ND		25.0	24.0		ug/L		96	65 - 133
Xylenes, Total	ND		50.0	55.3		ug/L		111	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 604623

Client Sample ID: BCC Area E RFI-33 MSD_1121
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	28.5		ug/L		114	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.6		ug/L		106	61 - 148	3	20
1,1,2-Trichloroethane	ND		25.0	25.3		ug/L		101	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	26.8		ug/L		107	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	27.7		ug/L		111	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	24.8		ug/L		99	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.7		ug/L		111	56 - 134	2	15
1,2-Dibromoethane	ND		25.0	26.9		ug/L		108	77 - 120	5	15
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	24.8		ug/L		99	75 - 120	7	20
1,2-Dichloropropane	ND		25.0	26.5		ug/L		106	76 - 120	7	20
1,3-Dichlorobenzene	ND		25.0	25.8		ug/L		103	77 - 120	2	20
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		102	78 - 124	2	20

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

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 604623

Client Sample ID: BCC Area E RFI-33 MSD_1121
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	117		ug/L		94	57 - 140	8	20
2-Hexanone	ND		125	122		ug/L		98	65 - 127	9	15
4-Methyl-2-pentanone (MIBK)	ND		125	123		ug/L		98	71 - 125	4	35
Acetone	ND		125	113		ug/L		90	56 - 142	3	15
Benzene	ND		25.0	26.4		ug/L		106	71 - 124	6	13
Bromodichloromethane	ND	F1	25.0	31.3	F1	ug/L		125	80 - 122	7	15
Bromoform	ND	*+ F1	25.0	38.2	F1	ug/L		153	61 - 132	3	15
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144	13	15
Carbon disulfide	ND	*+ F1	25.0	38.9	F1	ug/L		156	59 - 134	1	15
Carbon tetrachloride	ND		25.0	31.8		ug/L		127	72 - 134	4	15
Chlorobenzene	ND		25.0	25.6		ug/L		103	80 - 120	5	25
Chloroethane	ND		25.0	22.8		ug/L		91	69 - 136	12	15
Chloroform	ND		25.0	25.3		ug/L		101	73 - 127	5	20
Chloromethane	ND		25.0	21.8		ug/L		87	68 - 124	3	15
cis-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	74 - 124	7	15
Cyclohexane	ND		25.0	26.1		ug/L		104	59 - 135	5	20
Dibromochloromethane	ND	*+ F1	25.0	37.0	F1	ug/L		148	75 - 125	3	15
Dichlorodifluoromethane	ND	*-	25.0	16.8		ug/L		67	59 - 135	4	20
Ethylbenzene	ND		25.0	26.4		ug/L		106	77 - 123	5	15
Isopropylbenzene	ND		25.0	27.8		ug/L		111	77 - 122	1	20
Methyl acetate	ND		50.0	46.3		ug/L		93	74 - 133	4	20
Methyl tert-butyl ether	ND		25.0	26.6		ug/L		107	77 - 120	2	37
Methylcyclohexane	ND		25.0	25.6		ug/L		103	68 - 134	7	20
Methylene Chloride	ND		25.0	24.9		ug/L		99	75 - 124	2	15
Styrene	ND		25.0	26.4		ug/L		106	80 - 120	6	20
Tetrachloroethene	ND		25.0	28.1		ug/L		112	74 - 122	5	20
Toluene	ND		25.0	26.3		ug/L		105	80 - 122	4	15
trans-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	73 - 127	4	20
trans-1,3-Dichloropropene	ND		25.0	25.3		ug/L		101	80 - 120	5	15
Trichloroethene	ND		25.0	26.9		ug/L		108	74 - 123	7	16
Trichlorofluoromethane	ND		25.0	27.8		ug/L		111	62 - 150	0	20
Vinyl chloride	ND		25.0	22.8		ug/L		91	65 - 133	5	15
Xylenes, Total	ND		50.0	53.0		ug/L		106	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

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

Lab Sample ID: MB 480-604534/1-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/19/21 15:48	1

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

Lab Sample ID: MB 480-604534/1-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/11/21 14:56	11/19/21 15:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/11/21 14:56	11/19/21 15:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/11/21 14:56	11/19/21 15:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/19/21 15:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/11/21 14:56	11/19/21 15:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Nitroaniline	ND		10	0.42	ug/L		11/11/21 14:56	11/19/21 15:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/11/21 14:56	11/19/21 15:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/11/21 14:56	11/19/21 15:48	1
3-Nitroaniline	ND		10	0.48	ug/L		11/11/21 14:56	11/19/21 15:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Methylphenol	ND		10	0.36	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Nitroaniline	ND		10	0.25	ug/L		11/11/21 14:56	11/19/21 15:48	1
4-Nitrophenol	ND		10	1.5	ug/L		11/11/21 14:56	11/19/21 15:48	1
Acenaphthene	ND		5.0	0.41	ug/L		11/11/21 14:56	11/19/21 15:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/11/21 14:56	11/19/21 15:48	1
Acetophenone	ND		5.0	0.54	ug/L		11/11/21 14:56	11/19/21 15:48	1
Aniline	ND		10	0.61	ug/L		11/11/21 14:56	11/19/21 15:48	1
Anthracene	ND		5.0	0.28	ug/L		11/11/21 14:56	11/19/21 15:48	1
Atrazine	ND		5.0	0.46	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/11/21 14:56	11/19/21 15:48	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/11/21 14:56	11/19/21 15:48	1
Biphenyl	ND		5.0	0.65	ug/L		11/11/21 14:56	11/19/21 15:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/11/21 14:56	11/19/21 15:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/11/21 14:56	11/19/21 15:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/11/21 14:56	11/19/21 15:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/11/21 14:56	11/19/21 15:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/11/21 14:56	11/19/21 15:48	1
Caprolactam	ND		5.0	2.2	ug/L		11/11/21 14:56	11/19/21 15:48	1
Carbazole	ND		5.0	0.30	ug/L		11/11/21 14:56	11/19/21 15:48	1
Chrysene	ND		5.0	0.33	ug/L		11/11/21 14:56	11/19/21 15:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/11/21 14:56	11/19/21 15:48	1
Dibenzofuran	ND		10	0.51	ug/L		11/11/21 14:56	11/19/21 15:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/11/21 14:56	11/19/21 15:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/11/21 14:56	11/19/21 15:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/11/21 14:56	11/19/21 15:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/11/21 14:56	11/19/21 15:48	1

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

Lab Sample ID: MB 480-604534/1-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/11/21 14:56	11/19/21 15:48	1
Fluorene	ND		5.0	0.36	ug/L		11/11/21 14:56	11/19/21 15:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/11/21 14:56	11/19/21 15:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/11/21 14:56	11/19/21 15:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/11/21 14:56	11/19/21 15:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/11/21 14:56	11/19/21 15:48	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/11/21 14:56	11/19/21 15:48	1
Isophorone	ND		5.0	0.43	ug/L		11/11/21 14:56	11/19/21 15:48	1
Naphthalene	ND		5.0	0.76	ug/L		11/11/21 14:56	11/19/21 15:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/11/21 14:56	11/19/21 15:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/11/21 14:56	11/19/21 15:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/11/21 14:56	11/19/21 15:48	1
Pentachlorophenol	ND		10	2.2	ug/L		11/11/21 14:56	11/19/21 15:48	1
Phenanthrene	ND		5.0	0.44	ug/L		11/11/21 14:56	11/19/21 15:48	1
Phenol	ND		5.0	0.39	ug/L		11/11/21 14:56	11/19/21 15:48	1
Pyrene	ND		5.0	0.34	ug/L		11/11/21 14:56	11/19/21 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*41 - 120*	*11/11/21 14:56*	*11/19/21 15:48*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*11/11/21 14:56*	*11/19/21 15:48*	*1*
2-Fluorophenol	*73*		*35 - 120*	*11/11/21 14:56*	*11/19/21 15:48*	*1*
Nitrobenzene-d5	*82*		*46 - 120*	*11/11/21 14:56*	*11/19/21 15:48*	*1*
Phenol-d5	*54*		*22 - 120*	*11/11/21 14:56*	*11/19/21 15:48*	*1*
p-Terphenyl-d14	*103*		*60 - 148*	*11/11/21 14:56*	*11/19/21 15:48*	*1*

Lab Sample ID: LCS 480-604534/2-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	32.9		ug/L		103	65 - 126
2,4,6-Trichlorophenol	32.0	31.0		ug/L		97	64 - 120
2,4-Dichlorophenol	32.0	32.8		ug/L		102	63 - 120
2,4-Dimethylphenol	32.0	33.0		ug/L		103	47 - 120
2,4-Dinitrophenol	64.0	57.3		ug/L		90	31 - 137
2,4-Dinitrotoluene	32.0	33.3		ug/L		104	69 - 120
2,6-Dinitrotoluene	32.0	33.6		ug/L		105	68 - 120
2-Chloronaphthalene	32.0	31.9		ug/L		100	58 - 120
2-Chlorophenol	32.0	28.8		ug/L		90	48 - 120
2-Methylnaphthalene	32.0	30.6		ug/L		96	59 - 120
2-Methylphenol	32.0	28.8		ug/L		90	39 - 120
2-Nitroaniline	32.0	30.6		ug/L		96	54 - 127
2-Nitrophenol	32.0	31.1		ug/L		97	52 - 125
3,3'-Dichlorobenzidine	64.0	58.2		ug/L		91	49 - 135
3-Nitroaniline	32.0	29.5		ug/L		92	51 - 120
4,6-Dinitro-2-methylphenol	64.0	63.0		ug/L		98	46 - 136
4-Bromophenyl phenyl ether	32.0	32.0		ug/L		100	65 - 120
4-Chloro-3-methylphenol	32.0	33.0		ug/L		103	61 - 123

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

Lab Sample ID: LCS 480-604534/2-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	32.0	30.3		ug/L		95	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.6		ug/L		102	62 - 120
4-Methylphenol	32.0	27.7		ug/L		87	29 - 131
4-Nitroaniline	32.0	31.8		ug/L		99	65 - 120
4-Nitrophenol	64.0	42.5		ug/L		66	45 - 120
Acenaphthene	32.0	30.6		ug/L		96	60 - 120
Acenaphthylene	32.0	31.8		ug/L		99	63 - 120
Acetophenone	32.0	31.7		ug/L		99	45 - 120
Aniline	32.0	23.9		ug/L		75	12 - 120
Anthracene	32.0	30.2		ug/L		95	67 - 120
Atrazine	64.0	65.7		ug/L		103	71 - 130
Benzaldehyde	64.0	65.2		ug/L		102	10 - 140
Benzo(a)anthracene	32.0	31.2		ug/L		98	70 - 121
Benzo(a)pyrene	32.0	31.0		ug/L		97	60 - 123
Benzo(b)fluoranthene	32.0	33.0		ug/L		103	66 - 126
Benzo(g,h,i)perylene	32.0	32.9		ug/L		103	66 - 150
Benzo(k)fluoranthene	32.0	31.0		ug/L		97	65 - 124
Biphenyl	32.0	31.0		ug/L		97	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.2		ug/L		85	21 - 136
Bis(2-chloroethoxy)methane	32.0	33.9		ug/L		106	50 - 128
Bis(2-chloroethyl)ether	32.0	32.7		ug/L		102	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.3		ug/L		98	63 - 139
Butyl benzyl phthalate	32.0	32.7		ug/L		102	70 - 129
Caprolactam	64.0	25.8		ug/L		40	22 - 120
Carbazole	32.0	31.8		ug/L		99	66 - 123
Chrysene	32.0	31.8		ug/L		99	69 - 120
Dibenz(a,h)anthracene	32.0	33.0		ug/L		103	65 - 135
Dibenzofuran	32.0	31.3		ug/L		98	66 - 120
Diethyl phthalate	32.0	33.3		ug/L		104	59 - 127
Dimethyl phthalate	32.0	34.5		ug/L		108	68 - 120
Di-n-butyl phthalate	32.0	32.2		ug/L		101	69 - 131
Di-n-octyl phthalate	32.0	30.5		ug/L		95	63 - 140
Fluoranthene	32.0	31.7		ug/L		99	69 - 126
Fluorene	32.0	32.3		ug/L		101	66 - 120
Hexachlorobenzene	32.0	31.5		ug/L		99	61 - 120
Hexachlorobutadiene	32.0	28.3		ug/L		88	35 - 120
Hexachlorocyclopentadiene	32.0	19.3		ug/L		60	31 - 120
Hexachloroethane	32.0	26.1		ug/L		82	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	32.1		ug/L		100	69 - 146
Isophorone	32.0	30.8		ug/L		96	55 - 120
Naphthalene	32.0	30.2		ug/L		94	57 - 120
Nitrobenzene	32.0	29.9		ug/L		94	53 - 123
N-Nitrosodi-n-propylamine	32.0	31.8		ug/L		99	32 - 140
N-Nitrosodiphenylamine	32.0	31.6		ug/L		99	61 - 120
Pentachlorophenol	64.0	51.8		ug/L		81	29 - 136
Phenanthrene	32.0	30.3		ug/L		95	68 - 120
Phenol	32.0	18.0		ug/L		56	17 - 120
Pyrene	32.0	31.3		ug/L		98	70 - 125

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

Lab Sample ID: LCS 480-604534/2-A
Matrix: Water
Analysis Batch: 605777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604534

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	106		41 - 120
2-Fluorobiphenyl	101		48 - 120
2-Fluorophenol	73		35 - 120
Nitrobenzene-d5	93		46 - 120
Phenol-d5	57		22 - 120
p-Terphenyl-d14	101		60 - 148

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 605783

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	ND		32.0	34.7		ug/L		108	65 - 126
2,4,6-Trichlorophenol	ND		32.0	33.0		ug/L		103	64 - 120
2,4-Dichlorophenol	ND		32.0	32.0		ug/L		100	48 - 132
2,4-Dimethylphenol	ND		32.0	32.6		ug/L		102	39 - 130
2,4-Dinitrophenol	ND		64.0	61.6		ug/L		96	21 - 150
2,4-Dinitrotoluene	ND		32.0	34.2		ug/L		107	54 - 138
2,6-Dinitrotoluene	ND		32.0	35.7		ug/L		112	17 - 150
2-Chloronaphthalene	ND		32.0	30.9		ug/L		97	52 - 124
2-Chlorophenol	ND		32.0	28.6		ug/L		89	48 - 120
2-Methylnaphthalene	ND		32.0	29.8		ug/L		93	34 - 140
2-Methylphenol	ND		32.0	28.3		ug/L		88	46 - 120
2-Nitroaniline	ND		32.0	30.9		ug/L		97	44 - 136
2-Nitrophenol	ND		32.0	31.2		ug/L		97	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	53.6		ug/L		84	10 - 150
3-Nitroaniline	ND		32.0	29.2		ug/L		91	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	66.2		ug/L		103	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	33.9		ug/L		106	63 - 126
4-Chloro-3-methylphenol	ND		32.0	33.5		ug/L		105	64 - 127
4-Chloroaniline	ND		32.0	29.9		ug/L		93	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	33.8		ug/L		106	61 - 120
4-Methylphenol	ND		32.0	28.1		ug/L		88	36 - 120
4-Nitroaniline	ND		32.0	31.2		ug/L		97	32 - 150
4-Nitrophenol	ND		64.0	44.6		ug/L		70	23 - 132
Acenaphthene	ND		32.0	30.4		ug/L		95	48 - 120
Acenaphthylene	ND		32.0	31.5		ug/L		99	63 - 120
Acetophenone	ND		32.0	30.7		ug/L		96	53 - 120
Aniline	ND		32.0	23.0		ug/L		72	32 - 120
Anthracene	ND		32.0	32.5		ug/L		101	65 - 122
Atrazine	ND		64.0	67.0		ug/L		105	50 - 150
Benzaldehyde	ND		64.0	61.0		ug/L		95	10 - 150
Benzo(a)anthracene	ND		32.0	25.5		ug/L		80	43 - 124
Benzo(a)pyrene	ND		32.0	23.0		ug/L		72	23 - 125
Benzo(b)fluoranthene	ND		32.0	23.2		ug/L		72	27 - 127
Benzo(g,h,i)perylene	ND		32.0	23.7		ug/L		74	16 - 147
Benzo(k)fluoranthene	ND		32.0	22.3		ug/L		70	20 - 124
Biphenyl	ND		32.0	30.3		ug/L		95	57 - 120

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

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 605783

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND		32.0	25.0		ug/L		78	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	32.9		ug/L		103	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	32.5		ug/L		102	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	23.3		ug/L		73	16 - 150
Butyl benzyl phthalate	ND		32.0	30.2		ug/L		94	51 - 140
Caprolactam	ND		64.0	24.9		ug/L		39	10 - 120
Carbazole	ND		32.0	33.6		ug/L		105	16 - 148
Chrysene	ND		32.0	25.7		ug/L		80	44 - 122
Dibenz(a,h)anthracene	ND		32.0	23.2		ug/L		73	16 - 139
Dibenzofuran	ND		32.0	31.9		ug/L		100	60 - 120
Diethyl phthalate	ND		32.0	34.7		ug/L		108	53 - 133
Dimethyl phthalate	ND		32.0	35.6		ug/L		111	59 - 123
Di-n-butyl phthalate	ND		32.0	32.2		ug/L		101	65 - 129
Di-n-octyl phthalate	ND		32.0	22.6		ug/L		70	16 - 150
Fluoranthene	ND		32.0	31.2		ug/L		97	63 - 129
Fluorene	ND		32.0	32.6		ug/L		102	62 - 120
Hexachlorobenzene	ND		32.0	32.3		ug/L		101	57 - 121
Hexachlorobutadiene	ND		32.0	28.4		ug/L		89	37 - 120
Hexachlorocyclopentadiene	ND		32.0	18.5		ug/L		58	21 - 120
Hexachloroethane	ND		32.0	24.9		ug/L		78	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	23.1		ug/L		72	16 - 140
Isophorone	ND		32.0	30.1		ug/L		94	48 - 133
Naphthalene	ND		32.0	27.6		ug/L		86	45 - 120
Nitrobenzene	ND		32.0	28.6		ug/L		90	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	31.5		ug/L		98	49 - 120
N-Nitrosodiphenylamine	ND		32.0	33.7		ug/L		105	39 - 138
Pentachlorophenol	ND		64.0	55.4		ug/L		87	23 - 149
Phenanthrene	ND		32.0	31.6		ug/L		99	65 - 122
Phenol	ND		32.0	17.8		ug/L		56	16 - 120
Pyrene	ND		32.0	32.0		ug/L		100	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*116*		*41 - 120*
2-Fluorobiphenyl	*98*		*48 - 120*
2-Fluorophenol	*69*		*35 - 120*
Nitrobenzene-d5	*88*		*46 - 120*
Phenol-d5	*52*		*22 - 120*
p-Terphenyl-d14	*75*		*60 - 148*

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 605783

Client Sample ID: BCC Area E RFI-33 MSD_1121
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		32.0	33.3		ug/L		104	65 - 126	4	18
2,4,6-Trichlorophenol	ND		32.0	31.9		ug/L		100	64 - 120	3	19
2,4-Dichlorophenol	ND		32.0	31.5		ug/L		98	48 - 132	2	19
2,4-Dimethylphenol	ND		32.0	31.6		ug/L		99	39 - 130	3	42

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

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 605783

Client Sample ID: BCC Area E RFI-33 MSD_1121
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrophenol	ND		64.0	59.3		ug/L		93	21 - 150	4	22
2,4-Dinitrotoluene	ND		32.0	33.7		ug/L		105	54 - 138	2	20
2,6-Dinitrotoluene	ND		32.0	34.3		ug/L		107	17 - 150	4	15
2-Chloronaphthalene	ND		32.0	30.5		ug/L		95	52 - 124	2	21
2-Chlorophenol	ND		32.0	27.5		ug/L		86	48 - 120	4	25
2-Methylnaphthalene	ND		32.0	28.4		ug/L		89	34 - 140	5	21
2-Methylphenol	ND		32.0	26.5		ug/L		83	46 - 120	6	27
2-Nitroaniline	ND		32.0	31.1		ug/L		97	44 - 136	1	15
2-Nitrophenol	ND		32.0	29.3		ug/L		92	38 - 141	6	18
3,3'-Dichlorobenzidine	ND		64.0	56.2		ug/L		88	10 - 150	5	25
3-Nitroaniline	ND		32.0	29.6		ug/L		92	32 - 150	1	19
4,6-Dinitro-2-methylphenol	ND		64.0	66.1		ug/L		103	38 - 150	0	15
4-Bromophenyl phenyl ether	ND		32.0	33.7		ug/L		105	63 - 126	1	15
4-Chloro-3-methylphenol	ND		32.0	32.3		ug/L		101	64 - 127	4	27
4-Chloroaniline	ND		32.0	28.0		ug/L		87	16 - 124	7	22
4-Chlorophenyl phenyl ether	ND		32.0	32.8		ug/L		103	61 - 120	3	16
4-Methylphenol	ND		32.0	26.5		ug/L		83	36 - 120	6	24
4-Nitroaniline	ND		32.0	31.7		ug/L		99	32 - 150	2	24
4-Nitrophenol	ND		64.0	45.8		ug/L		72	23 - 132	3	48
Acenaphthene	ND		32.0	30.6		ug/L		96	48 - 120	0	24
Acenaphthylene	ND		32.0	31.4		ug/L		98	63 - 120	0	18
Acetophenone	ND		32.0	29.8		ug/L		93	53 - 120	3	20
Aniline	ND		32.0	22.8		ug/L		71	32 - 120	1	30
Anthracene	ND		32.0	32.0		ug/L		100	65 - 122	1	15
Atrazine	ND		64.0	68.6		ug/L		107	50 - 150	2	20
Benzaldehyde	ND		64.0	59.1		ug/L		92	10 - 150	3	20
Benzo(a)anthracene	ND		32.0	27.4		ug/L		86	43 - 124	7	15
Benzo(a)pyrene	ND		32.0	23.7		ug/L		74	23 - 125	3	15
Benzo(b)fluoranthene	ND		32.0	24.7		ug/L		77	27 - 127	6	15
Benzo(g,h,i)perylene	ND		32.0	24.5		ug/L		77	16 - 147	4	15
Benzo(k)fluoranthene	ND		32.0	23.9		ug/L		75	20 - 124	7	22
Biphenyl	ND		32.0	29.5		ug/L		92	57 - 120	2	20
bis (2-chloroisopropyl) ether	ND		32.0	24.6		ug/L		77	28 - 121	2	24
Bis(2-chloroethoxy)methane	ND		32.0	30.6		ug/L		96	44 - 128	7	17
Bis(2-chloroethyl)ether	ND		32.0	29.3		ug/L		92	45 - 120	10	21
Bis(2-ethylhexyl) phthalate	ND		32.0	24.9		ug/L		78	16 - 150	7	15
Butyl benzyl phthalate	ND		32.0	31.3		ug/L		98	51 - 140	4	16
Caprolactam	ND		64.0	24.0		ug/L		38	10 - 120	4	20
Carbazole	ND		32.0	32.5		ug/L		101	16 - 148	3	20
Chrysene	ND		32.0	26.2		ug/L		82	44 - 122	2	15
Dibenz(a,h)anthracene	ND		32.0	24.6		ug/L		77	16 - 139	6	15
Dibenzofuran	ND		32.0	31.1		ug/L		97	60 - 120	3	15
Diethyl phthalate	ND		32.0	33.9		ug/L		106	53 - 133	2	15
Dimethyl phthalate	ND		32.0	34.6		ug/L		108	59 - 123	3	15
Di-n-butyl phthalate	ND		32.0	32.7		ug/L		102	65 - 129	1	15
Di-n-octyl phthalate	ND		32.0	24.5		ug/L		77	16 - 150	8	16
Fluoranthene	ND		32.0	32.3		ug/L		101	63 - 129	4	15
Fluorene	ND		32.0	32.0		ug/L		100	62 - 120	2	15
Hexachlorobenzene	ND		32.0	31.8		ug/L		99	57 - 121	1	15

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

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 605783

Client Sample ID: BCC Area E RFI-33 MSD_1121
Prep Type: Total/NA
Prep Batch: 604534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		32.0	26.0		ug/L		81	37 - 120	9	44
Hexachlorocyclopentadiene	ND		32.0	18.0		ug/L		56	21 - 120	3	49
Hexachloroethane	ND		32.0	22.8		ug/L		71	16 - 130	9	46
Indeno(1,2,3-cd)pyrene	ND		32.0	24.4		ug/L		76	16 - 140	6	15
Isophorone	ND		32.0	29.2		ug/L		91	48 - 133	3	17
Naphthalene	ND		32.0	27.0		ug/L		84	45 - 120	2	29
Nitrobenzene	ND		32.0	27.5		ug/L		86	45 - 123	4	24
N-Nitrosodi-n-propylamine	ND		32.0	30.8		ug/L		96	49 - 120	2	31
N-Nitrosodiphenylamine	ND		32.0	32.2		ug/L		101	39 - 138	4	15
Pentachlorophenol	ND		64.0	56.6		ug/L		88	23 - 149	2	37
Phenanthrene	ND		32.0	31.4		ug/L		98	65 - 122	1	15
Phenol	ND		32.0	16.7		ug/L		52	16 - 120	6	34
Pyrene	ND		32.0	32.0		ug/L		100	58 - 128	0	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*117*		*41 - 120*
2-Fluorobiphenyl	*94*		*48 - 120*
2-Fluorophenol	*68*		*35 - 120*
Nitrobenzene-d5	*86*		*46 - 120*
Phenol-d5	*52*		*22 - 120*
p-Terphenyl-d14	*94*		*60 - 148*

Lab Sample ID: MB 480-606091/1-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Nitroaniline	ND		10	0.42	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
3-Nitroaniline	ND		10	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Methylphenol	ND		10	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1

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

Lab Sample ID: MB 480-606091/1-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		10	0.25	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Nitrophenol	ND		10	1.5	ug/L		11/22/21 14:56	11/23/21 15:27	1
Acenaphthene	ND		5.0	0.41	ug/L		11/22/21 14:56	11/23/21 15:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/22/21 14:56	11/23/21 15:27	1
Acetophenone	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 15:27	1
Aniline	ND		10	0.61	ug/L		11/22/21 14:56	11/23/21 15:27	1
Anthracene	ND		5.0	0.28	ug/L		11/22/21 14:56	11/23/21 15:27	1
Atrazine	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/22/21 14:56	11/23/21 15:27	1
Biphenyl	ND		5.0	0.65	ug/L		11/22/21 14:56	11/23/21 15:27	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-ethylhexyl) phthalate	9.15		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/22/21 14:56	11/23/21 15:27	1
Caprolactam	ND		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Carbazole	ND		5.0	0.30	ug/L		11/22/21 14:56	11/23/21 15:27	1
Chrysene	ND		5.0	0.33	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dibenzofuran	ND		10	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Di-n-butyl phthalate	0.482	J	5.0	0.31	ug/L		11/22/21 14:56	11/23/21 15:27	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Fluoranthene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
Fluorene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Isophorone	ND		5.0	0.43	ug/L		11/22/21 14:56	11/23/21 15:27	1
Naphthalene	ND		5.0	0.76	ug/L		11/22/21 14:56	11/23/21 15:27	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/22/21 14:56	11/23/21 15:27	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 15:27	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Pentachlorophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Phenanthrene	ND		5.0	0.44	ug/L		11/22/21 14:56	11/23/21 15:27	1
Phenol	ND		5.0	0.39	ug/L		11/22/21 14:56	11/23/21 15:27	1
Pyrene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*

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

Lab Sample ID: MB 480-606091/1-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606091

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		48 - 120	11/22/21 14:56	11/23/21 15:27	1
2-Fluorophenol	68		35 - 120	11/22/21 14:56	11/23/21 15:27	1
Nitrobenzene-d5	80		46 - 120	11/22/21 14:56	11/23/21 15:27	1
Phenol-d5	53		22 - 120	11/22/21 14:56	11/23/21 15:27	1
p-Terphenyl-d14	101		60 - 148	11/22/21 14:56	11/23/21 15:27	1

Lab Sample ID: LCS 480-606091/2-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	34.8		ug/L		109	65 - 126
2,4,6-Trichlorophenol	32.0	32.5		ug/L		102	64 - 120
2,4-Dichlorophenol	32.0	35.6		ug/L		111	63 - 120
2,4-Dimethylphenol	32.0	36.7		ug/L		115	47 - 120
2,4-Dinitrophenol	64.0	61.2		ug/L		96	31 - 137
2,4-Dinitrotoluene	32.0	35.3		ug/L		110	69 - 120
2,6-Dinitrotoluene	32.0	37.4		ug/L		117	68 - 120
2-Chloronaphthalene	32.0	33.7		ug/L		105	58 - 120
2-Chlorophenol	32.0	31.2		ug/L		98	48 - 120
2-Methylnaphthalene	32.0	31.5		ug/L		98	59 - 120
2-Methylphenol	32.0	30.7		ug/L		96	39 - 120
2-Nitroaniline	32.0	31.9		ug/L		100	54 - 127
2-Nitrophenol	32.0	33.5		ug/L		105	52 - 125
3,3'-Dichlorobenzidine	64.0	60.8		ug/L		95	49 - 135
3-Nitroaniline	32.0	30.7		ug/L		96	51 - 120
4,6-Dinitro-2-methylphenol	64.0	70.3		ug/L		110	46 - 136
4-Bromophenyl phenyl ether	32.0	37.2		ug/L		116	65 - 120
4-Chloro-3-methylphenol	32.0	35.8		ug/L		112	61 - 123
4-Chloroaniline	32.0	30.5		ug/L		95	30 - 120
4-Chlorophenyl phenyl ether	32.0	35.4		ug/L		111	62 - 120
4-Methylphenol	32.0	30.5		ug/L		95	29 - 131
4-Nitroaniline	32.0	33.2		ug/L		104	65 - 120
4-Nitrophenol	64.0	46.0		ug/L		72	45 - 120
Acenaphthene	32.0	32.8		ug/L		102	60 - 120
Acenaphthylene	32.0	31.8		ug/L		99	63 - 120
Acetophenone	32.0	33.7		ug/L		105	45 - 120
Aniline	32.0	23.9		ug/L		75	12 - 120
Anthracene	32.0	34.2		ug/L		107	67 - 120
Atrazine	64.0	72.9		ug/L		114	71 - 130
Benzaldehyde	64.0	67.3		ug/L		105	10 - 140
Benzo(a)anthracene	32.0	33.6		ug/L		105	70 - 121
Benzo(a)pyrene	32.0	30.2		ug/L		94	60 - 123
Benzo(b)fluoranthene	32.0	34.1		ug/L		107	66 - 126
Benzo(g,h,i)perylene	32.0	37.0		ug/L		115	66 - 150
Benzo(k)fluoranthene	32.0	34.6		ug/L		108	65 - 124
Biphenyl	32.0	32.4		ug/L		101	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.7		ug/L		87	21 - 136

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

Lab Sample ID: LCS 480-606091/2-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	32.0	35.6		ug/L		111	50 - 128
Bis(2-chloroethyl)ether	32.0	34.2		ug/L		107	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.8		ug/L		109	63 - 139
Butyl benzyl phthalate	32.0	34.8		ug/L		109	70 - 129
Caprolactam	64.0	28.1		ug/L		44	22 - 120
Carbazole	32.0	36.0		ug/L		112	66 - 123
Chrysene	32.0	33.5		ug/L		105	69 - 120
Dibenz(a,h)anthracene	32.0	37.7		ug/L		118	65 - 135
Dibenzofuran	32.0	33.1		ug/L		103	66 - 120
Diethyl phthalate	32.0	36.0		ug/L		112	59 - 127
Dimethyl phthalate	32.0	37.5		ug/L		117	68 - 120
Di-n-butyl phthalate	32.0	36.1		ug/L		113	69 - 131
Di-n-octyl phthalate	32.0	34.2		ug/L		107	63 - 140
Fluoranthene	32.0	35.2		ug/L		110	69 - 126
Fluorene	32.0	35.1		ug/L		110	66 - 120
Hexachlorobenzene	32.0	36.4		ug/L		114	61 - 120
Hexachlorobutadiene	32.0	31.8		ug/L		99	35 - 120
Hexachlorocyclopentadiene	32.0	20.7		ug/L		65	31 - 120
Hexachloroethane	32.0	28.3		ug/L		88	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	36.7		ug/L		115	69 - 146
Isophorone	32.0	33.4		ug/L		104	55 - 120
Naphthalene	32.0	32.3		ug/L		101	57 - 120
Nitrobenzene	32.0	31.8		ug/L		99	53 - 123
N-Nitrosodi-n-propylamine	32.0	34.8		ug/L		109	32 - 140
N-Nitrosodiphenylamine	32.0	35.4		ug/L		111	61 - 120
Pentachlorophenol	64.0	61.8		ug/L		97	29 - 136
Phenanthrene	32.0	33.8		ug/L		105	68 - 120
Phenol	32.0	19.6		ug/L		61	17 - 120
Pyrene	32.0	33.8		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*119*		*41 - 120*
2-Fluorobiphenyl	*107*		*48 - 120*
2-Fluorophenol	*77*		*35 - 120*
Nitrobenzene-d5	*100*		*46 - 120*
Phenol-d5	*61*		*22 - 120*
p-Terphenyl-d14	*112*		*60 - 148*

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	32.0	31.7		ug/L		99	65 - 126	10	18
2,4,6-Trichlorophenol	32.0	31.4		ug/L		98	64 - 120	3	19
2,4-Dichlorophenol	32.0	34.1		ug/L		106	63 - 120	4	19
2,4-Dimethylphenol	32.0	34.0		ug/L		106	47 - 120	8	42
2,4-Dinitrophenol	64.0	63.3		ug/L		99	31 - 137	3	22

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

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	32.0	34.7		ug/L		109	69 - 120	2	20
2,6-Dinitrotoluene	32.0	35.1		ug/L		110	68 - 120	6	15
2-Chloronaphthalene	32.0	32.2		ug/L		101	58 - 120	4	21
2-Chlorophenol	32.0	30.5		ug/L		95	48 - 120	2	25
2-Methylnaphthalene	32.0	30.2		ug/L		94	59 - 120	4	21
2-Methylphenol	32.0	28.3		ug/L		88	39 - 120	8	27
2-Nitroaniline	32.0	32.4		ug/L		101	54 - 127	2	15
2-Nitrophenol	32.0	33.0		ug/L		103	52 - 125	1	18
3,3'-Dichlorobenzidine	64.0	67.6		ug/L		106	49 - 135	11	25
3-Nitroaniline	32.0	29.7		ug/L		93	51 - 120	3	19
4,6-Dinitro-2-methylphenol	64.0	69.3		ug/L		108	46 - 136	1	15
4-Bromophenyl phenyl ether	32.0	34.5		ug/L		108	65 - 120	8	15
4-Chloro-3-methylphenol	32.0	34.6		ug/L		108	61 - 123	4	27
4-Chloroaniline	32.0	30.1		ug/L		94	30 - 120	1	22
4-Chlorophenyl phenyl ether	32.0	34.5		ug/L		108	62 - 120	3	16
4-Methylphenol	32.0	28.5		ug/L		89	29 - 131	7	24
4-Nitroaniline	32.0	32.5		ug/L		102	65 - 120	2	24
4-Nitrophenol	64.0	44.8		ug/L		70	45 - 120	3	48
Acenaphthene	32.0	31.4		ug/L		98	60 - 120	4	24
Acenaphthylene	32.0	30.3		ug/L		95	63 - 120	5	18
Acetophenone	32.0	32.9		ug/L		103	45 - 120	2	20
Aniline	32.0	21.0		ug/L		66	12 - 120	13	30
Anthracene	32.0	32.7		ug/L		102	67 - 120	5	15
Atrazine	64.0	73.8		ug/L		115	71 - 130	1	20
Benzaldehyde	64.0	66.2		ug/L		103	10 - 140	2	20
Benzo(a)anthracene	32.0	33.5		ug/L		105	70 - 121	0	15
Benzo(a)pyrene	32.0	29.8		ug/L		93	60 - 123	1	15
Benzo(b)fluoranthene	32.0	33.6		ug/L		105	66 - 126	1	15
Benzo(g,h,i)perylene	32.0	35.1		ug/L		110	66 - 150	5	15
Benzo(k)fluoranthene	32.0	31.4		ug/L		98	65 - 124	10	22
Biphenyl	32.0	31.1		ug/L		97	59 - 120	4	20
bis (2-chloroisopropyl) ether	32.0	26.4		ug/L		82	21 - 136	5	24
Bis(2-chloroethoxy)methane	32.0	32.9		ug/L		103	50 - 128	8	17
Bis(2-chloroethyl)ether	32.0	33.4		ug/L		104	44 - 120	2	21
Bis(2-ethylhexyl) phthalate	32.0	33.7		ug/L		105	63 - 139	3	15
Butyl benzyl phthalate	32.0	35.3		ug/L		110	70 - 129	1	16
Caprolactam	64.0	26.4		ug/L		41	22 - 120	6	20
Carbazole	32.0	33.9		ug/L		106	66 - 123	6	20
Chrysene	32.0	32.7		ug/L		102	69 - 120	2	15
Dibenz(a,h)anthracene	32.0	35.2		ug/L		110	65 - 135	7	15
Dibenzofuran	32.0	32.5		ug/L		101	66 - 120	2	15
Diethyl phthalate	32.0	35.9		ug/L		112	59 - 127	0	15
Dimethyl phthalate	32.0	36.8		ug/L		115	68 - 120	2	15
Di-n-butyl phthalate	32.0	35.0		ug/L		109	69 - 131	3	15
Di-n-octyl phthalate	32.0	33.4		ug/L		104	63 - 140	2	16
Fluoranthene	32.0	33.8		ug/L		106	69 - 126	4	15
Fluorene	32.0	33.4		ug/L		104	66 - 120	5	15
Hexachlorobenzene	32.0	34.7		ug/L		109	61 - 120	5	15
Hexachlorobutadiene	32.0	30.1		ug/L		94	35 - 120	5	44

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

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			32.0	19.6		ug/L		61	31 - 120	6	49
Hexachloroethane			32.0	27.3		ug/L		85	43 - 120	3	46
Indeno(1,2,3-cd)pyrene			32.0	34.2		ug/L		107	69 - 146	7	15
Isophorone			32.0	31.2		ug/L		97	55 - 120	7	17
Naphthalene			32.0	30.6		ug/L		96	57 - 120	5	29
Nitrobenzene			32.0	30.3		ug/L		95	53 - 123	5	24
N-Nitrosodi-n-propylamine			32.0	33.3		ug/L		104	32 - 140	5	31
N-Nitrosodiphenylamine			32.0	33.8		ug/L		105	61 - 120	5	15
Pentachlorophenol			64.0	58.9		ug/L		92	29 - 136	5	37
Phenanthrene			32.0	32.1		ug/L		100	68 - 120	5	15
Phenol			32.0	19.1		ug/L		60	17 - 120	3	34
Pyrene			32.0	33.1		ug/L		103	70 - 125	2	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*118*		*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*
2-Fluorophenol	*76*		*35 - 120*
Nitrobenzene-d5	*92*		*46 - 120*
Phenol-d5	*60*		*22 - 120*
p-Terphenyl-d14	*106*		*60 - 148*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-604540/1-A
Matrix: Water
Analysis Batch: 604802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/12/21 08:45	11/12/21 23:55	1
Antimony	ND		0.020	0.0068	mg/L		11/12/21 08:45	11/12/21 23:55	1
Arsenic	ND		0.015	0.0056	mg/L		11/12/21 08:45	11/12/21 23:55	1
Barium	ND		0.0020	0.00070	mg/L		11/12/21 08:45	11/12/21 23:55	1
Beryllium	ND		0.0020	0.00030	mg/L		11/12/21 08:45	11/12/21 23:55	1
Cadmium	ND		0.0020	0.00050	mg/L		11/12/21 08:45	11/12/21 23:55	1
Calcium	ND		0.50	0.10	mg/L		11/12/21 08:45	11/12/21 23:55	1
Chromium	ND		0.0040	0.0010	mg/L		11/12/21 08:45	11/12/21 23:55	1
Cobalt	ND		0.0040	0.00063	mg/L		11/12/21 08:45	11/12/21 23:55	1
Copper	ND		0.010	0.0016	mg/L		11/12/21 08:45	11/12/21 23:55	1
Iron	ND		0.050	0.019	mg/L		11/12/21 08:45	11/12/21 23:55	1
Lead	ND		0.010	0.0030	mg/L		11/12/21 08:45	11/12/21 23:55	1
Magnesium	ND		0.20	0.043	mg/L		11/12/21 08:45	11/12/21 23:55	1
Manganese	ND		0.0030	0.00040	mg/L		11/12/21 08:45	11/12/21 23:55	1
Nickel	ND		0.010	0.0013	mg/L		11/12/21 08:45	11/12/21 23:55	1
Potassium	ND		0.50	0.10	mg/L		11/12/21 08:45	11/12/21 23:55	1
Selenium	ND		0.025	0.0087	mg/L		11/12/21 08:45	11/12/21 23:55	1
Silver	ND		0.0060	0.0017	mg/L		11/12/21 08:45	11/12/21 23:55	1
Sodium	ND		1.0	0.32	mg/L		11/12/21 08:45	11/12/21 23:55	1
Thallium	ND		0.020	0.010	mg/L		11/12/21 08:45	11/12/21 23:55	1
Vanadium	ND		0.0050	0.0015	mg/L		11/12/21 08:45	11/12/21 23:55	1

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

Lab Sample ID: MB 480-604540/1-A
Matrix: Water
Analysis Batch: 604802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		11/12/21 08:45	11/12/21 23:55	1

Lab Sample ID: LCS 480-604540/2-A
Matrix: Water
Analysis Batch: 604802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.67		mg/L		97	80 - 120
Antimony	0.200	0.214		mg/L		107	80 - 120
Arsenic	0.200	0.205		mg/L		103	80 - 120
Barium	0.200	0.215		mg/L		108	80 - 120
Beryllium	0.200	0.206		mg/L		103	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120
Calcium	10.0	9.98		mg/L		100	80 - 120
Chromium	0.200	0.196		mg/L		98	80 - 120
Cobalt	0.200	0.197		mg/L		99	80 - 120
Copper	0.200	0.200		mg/L		100	80 - 120
Iron	10.0	10.24		mg/L		102	80 - 120
Lead	0.200	0.201		mg/L		100	80 - 120
Magnesium	10.0	10.34		mg/L		103	80 - 120
Manganese	0.200	0.209		mg/L		104	80 - 120
Nickel	0.200	0.197		mg/L		99	80 - 120
Potassium	10.0	9.74		mg/L		97	80 - 120
Selenium	0.200	0.196		mg/L		98	80 - 120
Silver	0.0500	0.0496		mg/L		99	80 - 120
Sodium	10.0	9.46		mg/L		94	80 - 120
Thallium	0.200	0.208		mg/L		104	80 - 120
Vanadium	0.200	0.199		mg/L		100	80 - 120
Zinc	0.200	0.201		mg/L		101	80 - 120

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 604802

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA
Prep Batch: 604540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.32		10.0	10.12		mg/L		98	75 - 125
Antimony	ND		0.200	0.220		mg/L		110	75 - 125
Arsenic	ND		0.200	0.214		mg/L		107	75 - 125
Barium	0.082		0.200	0.293		mg/L		105	75 - 125
Beryllium	ND		0.200	0.208		mg/L		104	75 - 125
Cadmium	ND		0.200	0.209		mg/L		105	75 - 125
Calcium	154		10.0	166.2	4	mg/L		120	75 - 125
Chromium	0.014		0.200	0.224		mg/L		105	75 - 125
Cobalt	ND		0.200	0.203		mg/L		101	75 - 125
Copper	0.0073	J	0.200	0.212		mg/L		102	75 - 125
Iron	0.43		10.0	10.77		mg/L		103	75 - 125
Lead	ND		0.200	0.206		mg/L		103	75 - 125
Magnesium	21.1		10.0	31.16		mg/L		101	75 - 125
Manganese	0.014		0.200	0.225		mg/L		105	75 - 125

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

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 604802

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA
Prep Batch: 604540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.027		0.200	0.237		mg/L		105	75 - 125
Potassium	1.6		10.0	11.64		mg/L		101	75 - 125
Selenium	ND		0.200	0.201		mg/L		101	75 - 125
Silver	ND		0.0500	0.0516		mg/L		103	75 - 125
Sodium	75.0		10.0	88.97	4	mg/L		139	75 - 125
Thallium	ND		0.200	0.208		mg/L		104	75 - 125
Vanadium	0.0021	J	0.200	0.205		mg/L		102	75 - 125
Zinc	0.0060	J	0.200	0.208		mg/L		101	75 - 125

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 604802

Client Sample ID: BCC Area E RFI-33 MSD_1121
Prep Type: Total/NA
Prep Batch: 604540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.32		10.0	10.44		mg/L		101	75 - 125	3	20
Antimony	ND		0.200	0.221		mg/L		110	75 - 125	0	20
Arsenic	ND		0.200	0.211		mg/L		106	75 - 125	1	20
Barium	0.082		0.200	0.300		mg/L		109	75 - 125	2	20
Beryllium	ND		0.200	0.210		mg/L		105	75 - 125	1	20
Cadmium	ND		0.200	0.210		mg/L		105	75 - 125	0	20
Calcium	154		10.0	167.5	4	mg/L		133	75 - 125	1	20
Chromium	0.014		0.200	0.226		mg/L		106	75 - 125	1	20
Cobalt	ND		0.200	0.203		mg/L		101	75 - 125	0	20
Copper	0.0073	J	0.200	0.212		mg/L		102	75 - 125	0	20
Iron	0.43		10.0	10.79		mg/L		104	75 - 125	0	20
Lead	ND		0.200	0.206		mg/L		103	75 - 125	0	20
Magnesium	21.1		10.0	31.63		mg/L		106	75 - 125	2	20
Manganese	0.014		0.200	0.223		mg/L		105	75 - 125	1	20
Nickel	0.027		0.200	0.233		mg/L		103	75 - 125	2	20
Potassium	1.6		10.0	11.81		mg/L		102	75 - 125	1	20
Selenium	ND		0.200	0.200		mg/L		100	75 - 125	1	20
Silver	ND		0.0500	0.0516		mg/L		103	75 - 125	0	20
Sodium	75.0		10.0	88.15	4	mg/L		131	75 - 125	1	20
Thallium	ND		0.200	0.206		mg/L		103	75 - 125	1	20
Vanadium	0.0021	J	0.200	0.207		mg/L		103	75 - 125	1	20
Zinc	0.0060	J	0.200	0.213		mg/L		103	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-604916/1-A
Matrix: Water
Analysis Batch: 605070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/21 09:55	11/15/21 13:42	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-604916/2-A
Matrix: Water
Analysis Batch: 605070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604916

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00667	0.00700		mg/L		105	80 - 120		

Lab Sample ID: 480-192121-3 MS
Matrix: Ground Water
Analysis Batch: 605070

Client Sample ID: BCC Area E RFI-33 MS_1121
Prep Type: Total/NA
Prep Batch: 604916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.00667	0.00702		mg/L		105	80 - 120		

Lab Sample ID: 480-192121-3 MSD
Matrix: Ground Water
Analysis Batch: 605070

Client Sample ID: BCC Area E RFI-33 MSD_1121
Prep Type: Total/NA
Prep Batch: 604916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00695		mg/L		104	80 - 120	1	20

GC/MS VOA

Analysis Batch: 604623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	8260C	
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	8260C	
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	8260C	
480-192121-4	TRIP BLANK	Total/NA	Water	8260C	
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	8260C	
MB 480-604623/7	Method Blank	Total/NA	Water	8260C	
LCS 480-604623/5	Lab Control Sample	Total/NA	Water	8260C	
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	8260C	
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 604534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	3510C	
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	3510C	
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	3510C	
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	3510C	
MB 480-604534/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-604534/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	3510C	
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	3510C	

Analysis Batch: 605777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-604534/1-A	Method Blank	Total/NA	Water	8270D	604534
LCS 480-604534/2-A	Lab Control Sample	Total/NA	Water	8270D	604534

Analysis Batch: 605783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	8270D	604534
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	8270D	604534
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	8270D	604534
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	8270D	604534
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	8270D	604534
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	8270D	604534

Prep Batch: 606091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1 - RE	BCC Area E MW-E05_1121	Total/NA	Ground Water	3510C	
MB 480-606091/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-606091/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-606091/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 606211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1 - RE	BCC Area E MW-E05_1121	Total/NA	Ground Water	8270D	606091
MB 480-606091/1-A	Method Blank	Total/NA	Water	8270D	606091
LCS 480-606091/2-A	Lab Control Sample	Total/NA	Water	8270D	606091
LCSD 480-606091/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	606091

Metals

Prep Batch: 604540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	3005A	
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	3005A	
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	3005A	
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	3005A	
MB 480-604540/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-604540/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	3005A	
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	3005A	

Analysis Batch: 604802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	6010C	604540
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	6010C	604540
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	6010C	604540
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	6010C	604540
MB 480-604540/1-A	Method Blank	Total/NA	Water	6010C	604540
LCS 480-604540/2-A	Lab Control Sample	Total/NA	Water	6010C	604540
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	6010C	604540
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	6010C	604540

Prep Batch: 604916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	7470A	
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	7470A	
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	7470A	
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	7470A	
MB 480-604916/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-604916/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	7470A	
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	7470A	

Analysis Batch: 605070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192121-1	BCC Area E MW-E05_1121	Total/NA	Ground Water	7470A	604916
480-192121-2	BCC Area E RFI-29_1121	Total/NA	Ground Water	7470A	604916
480-192121-3	BCC Area E RFI-33_1121	Total/NA	Ground Water	7470A	604916
480-192121-5	BCC Area E RFI-33 D_1121	Total/NA	Water	7470A	604916
MB 480-604916/1-A	Method Blank	Total/NA	Water	7470A	604916
LCS 480-604916/2-A	Lab Control Sample	Total/NA	Water	7470A	604916
480-192121-3 MS	BCC Area E RFI-33 MS_1121	Total/NA	Ground Water	7470A	604916
480-192121-3 MSD	BCC Area E RFI-33 MSD_1121	Total/NA	Ground Water	7470A	604916

Lab Chronicle

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E MW-E05_1121

Lab Sample ID: 480-192121-1
Date Collected: 11/09/21 09:05
Matrix: Ground Water
Date Received: 11/10/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	604623	11/12/21 14:50	OMI	TAL BUF
Total/NA	Prep	3510C			604534	11/11/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D		1	605783	11/20/21 05:18	JMM	TAL BUF
Total/NA	Prep	3510C	RE		606091	11/22/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	606211	11/23/21 16:48	JMM	TAL BUF
Total/NA	Prep	3005A			604540	11/12/21 08:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	604802	11/13/21 00:03	LMH	TAL BUF
Total/NA	Prep	7470A			604916	11/15/21 09:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605070	11/15/21 14:01	ADM	TAL BUF

Client Sample ID: BCC Area E RFI-29_1121

Lab Sample ID: 480-192121-2
Date Collected: 11/09/21 12:30
Matrix: Ground Water
Date Received: 11/10/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	604623	11/12/21 15:26	OMI	TAL BUF
Total/NA	Prep	3510C			604534	11/11/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D		1	605783	11/20/21 05:45	JMM	TAL BUF
Total/NA	Prep	3005A			604540	11/12/21 08:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	604802	11/13/21 00:18	LMH	TAL BUF
Total/NA	Prep	7470A			604916	11/15/21 09:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605070	11/15/21 14:02	ADM	TAL BUF

Client Sample ID: BCC Area E RFI-33_1121

Lab Sample ID: 480-192121-3
Date Collected: 11/09/21 10:20
Matrix: Ground Water
Date Received: 11/10/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	604623	11/12/21 15:48	OMI	TAL BUF
Total/NA	Prep	3510C			604534	11/11/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D		1	605783	11/20/21 04:24	JMM	TAL BUF
Total/NA	Prep	3005A			604540	11/12/21 08:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	604802	11/13/21 00:22	LMH	TAL BUF
Total/NA	Prep	7470A			604916	11/15/21 09:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605070	11/15/21 14:04	ADM	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-192121-4
Date Collected: 11/09/21 00:00
Matrix: Water
Date Received: 11/10/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	604623	11/12/21 16:10	OMI	TAL BUF

Lab Chronicle

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

Job ID: 480-192121-1

Client Sample ID: BCC Area E RFI-33 D_1121

Date Collected: 11/09/21 10:30
Date Received: 11/10/21 15:40

Lab Sample ID: 480-192121-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	604623	11/12/21 16:32	OMI	TAL BUF
Total/NA	Prep	3510C			604534	11/11/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D		1	605783	11/20/21 06:12	JMM	TAL BUF
Total/NA	Prep	3005A			604540	11/12/21 08:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	604802	11/13/21 00:41	LMH	TAL BUF
Total/NA	Prep	7470A			604916	11/15/21 09:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605070	11/15/21 14:09	ADM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-192121-1
Project/Site: Buffalo Color Area E Wells

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

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

Job ID: 480-192121-1

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

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, 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: 480-192121-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192121-1	BCC Area E MW-E05_1121	Ground Water	11/09/21 09:05	11/10/21 15:40
480-192121-2	BCC Area E RFI-29_1121	Ground Water	11/09/21 12:30	11/10/21 15:40
480-192121-3	BCC Area E RFI-33_1121	Ground Water	11/09/21 10:20	11/10/21 15:40
480-192121-4	TRIP BLANK	Water	11/09/21 00:00	11/10/21 15:40
480-192121-5	BCC Area E RFI-33 D_1121	Water	11/09/21 10:30	11/10/21 15:40

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: TOM WAGNER	Lab PM: Schove, John R	Carrier Tracking No(s): OSC	COC No: 480-158665-6267.1
Client Contact: ~~Andrew Madden~~ KIRSTEN COLLIGAN	Phone: 716-912-9926	E-Mail: John.Schove@Eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Company: Ontario Specialty Contracting, Inc.	PWSID:	Analysis Requested		Job #:
Address: ~~330 Ganson St~~ 140 Lee ST. STE 200	Due Date Requested: 2 WKS			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, 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, Z - other (specify)
City: Buffalo	TAT Requested (days):			
State, Zip: NY, ~~14203~~ 14210	Compliance Project: Δ Yes Δ No			
Phone: 716-856-3333	PO #: ~~640044~~ 64048			
Email: ~~smadden@oscinc.com~~	WO #:			
Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Are	Project #: 48003159			
Site: New ~~Jersey~~ YORK - Honeywell	SSOW#:			

480-192121 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 7470A	8260B - TCL 4.2 list	8270C - TCL SVOA - 4.2 list + aniline	Total N	Special Instructions/Note:
			Preservation Code:				D	A	N		
BCC Area E MW-E05 _1121	11/9-21	9:05	G	Water			1	3	2		
BCC Area E RFI-29 _1121		1230	G	Water			1	3	2		
~~BCC Area E RFI-32~~				Water							
BCC Area E RFI-33		1020	G	Water			1	3	2		
BCC Area E RFI-33 D _1121		1030	G	Water			1	3	2		
BCC Area E RFI-33 MS _1121		1040	G	Water			1	3	2		
BCC Area E RFI-33 MSD _1121		1050	G	Water			1	3	2		
TRIP BLANK	N/A	N/A		Water				1			

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: TOM WAGNER	Date/Time: 11/9-21	Company: OSC	Received by: [signature] Date/Time: 11/9/21 1540 Company: FST
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2 #1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-192121-1

Login Number: 192121
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, 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	

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ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-195893-1
Client Project/Site: OSC- Former Buffalo Color Sites - 37745
Sampling Event: Buffalo Color Area E Wells

For:
Ontario Specialty Contracting, Inc.
333 Ganson St.
Buffalo, New York 14203

Attn: Kirsten Colligan

Authorized for release by:
4/4/2022 11:50:55 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc. Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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
*+	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.

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.
¤	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

Job ID: 480-195893-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-195893-1

Comments
No additional comments.

Receipt
The samples were received on 3/18/2022 8:00 AM. 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 3.1º C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BCC Area E RFI-29_0322 (480-195893-3). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone (MEK) in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) associated with batch 480-618322 . The following samples are impacted: BCC Area E RFI-33D_0322 (480-195893-1), BCC Area E MW-E05_0322 (480-195893-2), BCC Area E RFI-29_0322 (480-195893-3), BCC Area E RFI-33_0322 (480-195893-4) and TRIP BLANK (480-195893-5).

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 laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-618756 and analytical batch 480-619048 recovered outside control limits for the following analytes: Carbazole. 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 continuing calibration verification (CCV) associated with batch 480-620073 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BCC Area E RFI-33D_0322 (480-195893-1).

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

Metals
Method 6010C: The Total Chromium, Manganese, and Vanadium results reported for the following sample do not concur with results previously reported for this site: BCC Area E RFI-33D_0322 (480-195893-1). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Barium, Calcium, Iron, Magnesium, and Manganese results reported for the following sample do not concur with results previously reported for this site: BCC Area E RFI-29_0322 (480-195893-3). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Manganese, Nickel, and Sodium results reported for the following sample do not concur with results previously reported for this site: BCC Area E RFI-33_0322 (480-195893-4). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Chromium, Cobalt, Iron, and Lead results reported for the following sample do not concur with results previously reported for this site: BCC Area E MW-E05_0322 (480-195893-2). Reanalysis was performed, and the result(s) confirmed.

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.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33D_0322 — Lab Sample ID: 480-195893-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.036		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	88.2		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0081	B	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0022	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.11		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	11.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0038	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0089	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	0.88		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	37.5		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0015	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0026	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E MW-E05_0322 — Lab Sample ID: 480-195893-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.5		1.0	0.75	ug/L	1		8260C	Total/NA
Aluminum	0.21		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.025		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.011		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	127		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0012	J B	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.012		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.12		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.26		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.024		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	14.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.14	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.014		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	22.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	2.8	B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-29_0322 — Lab Sample ID: 480-195893-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	3.8		2.0	1.6	ug/L	2		8260C	Total/NA
1,4-Dichlorobenzene	4.0		2.0	1.7	ug/L	2		8260C	Total/NA
Benzene	0.99	J	2.0	0.82	ug/L	2		8260C	Total/NA
Carbon disulfide	3.0		2.0	0.38	ug/L	2		8260C	Total/NA
Chlorobenzene	8.6		2.0	1.5	ug/L	2		8260C	Total/NA
Methylene Chloride	1.0	J	2.0	0.88	ug/L	2		8260C	Total/NA
4-Chloroaniline	2.8	J	5.0	0.59	ug/L	1		8270D	Total/NA
Aniline	1.5	J	10	0.61	ug/L	1		8270D	Total/NA
Barium	0.074		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	253		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	2.1		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	38.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.38	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	5.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	125		1.0	0.32	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0322
Lab Sample ID: 480-195893-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.064	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.038		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	89.3		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0061	B	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0025	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.095		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	11.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0036	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0087	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	0.91		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	39.1	F1	1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0015	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0034	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195893-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
Chlorobenzene	0.88	J	1.0	0.75	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33D_0322
Lab Sample ID: 480-195893-1
Date Collected: 03/16/22 12:45
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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			03/18/22 15:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/18/22 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/18/22 15:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/18/22 15:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/18/22 15:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/18/22 15:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/18/22 15:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/18/22 15:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/18/22 15:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/18/22 15:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/18/22 15:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/18/22 15:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/18/22 15:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/18/22 15:27	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			03/18/22 15:27	1
2-Hexanone	ND		5.0	1.2	ug/L			03/18/22 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/18/22 15:27	1
Acetone	ND		10	3.0	ug/L			03/18/22 15:27	1
Benzene	ND		1.0	0.41	ug/L			03/18/22 15:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/18/22 15:27	1
Bromoform	ND		1.0	0.26	ug/L			03/18/22 15:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/18/22 15:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/18/22 15:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/18/22 15:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/18/22 15:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/18/22 15:27	1
Chloroform	ND		1.0	0.34	ug/L			03/18/22 15:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/18/22 15:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/18/22 15:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/18/22 15:27	1
Cyclohexane	ND		1.0	0.18	ug/L			03/18/22 15:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/18/22 15:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/18/22 15:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/18/22 15:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/18/22 15:27	1
Methyl acetate	ND		2.5	1.3	ug/L			03/18/22 15:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/18/22 15:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/18/22 15:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/18/22 15:27	1
Styrene	ND		1.0	0.73	ug/L			03/18/22 15:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/18/22 15:27	1
Toluene	ND		1.0	0.51	ug/L			03/18/22 15:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/18/22 15:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/18/22 15:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/18/22 15:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/18/22 15:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/18/22 15:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/18/22 15:27	1

Client Sample ID: BCC Area E RFI-33D_0322
Lab Sample ID: 480-195893-1
Date Collected: 03/16/22 12:45
Matrix: Ground Water
Date Received: 03/18/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/18/22 15:27*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/18/22 15:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/22 15:27*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*03/18/22 15:27*	*1*

Method: 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		03/23/22 09:31	04/01/22 16:39	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/22 09:31	04/01/22 16:39	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/22 09:31	04/01/22 16:39	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/22 09:31	04/01/22 16:39	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/22 09:31	04/01/22 16:39	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/22 09:31	04/01/22 16:39	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/22 09:31	04/01/22 16:39	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	04/01/22 16:39	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/22 09:31	04/01/22 16:39	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/22 09:31	04/01/22 16:39	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/22 09:31	04/01/22 16:39	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/22 09:31	04/01/22 16:39	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/22 09:31	04/01/22 16:39	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/22 09:31	04/01/22 16:39	1
Acetophenone	ND		5.0	0.54	ug/L		03/23/22 09:31	04/01/22 16:39	1
Aniline	ND		10	0.61	ug/L		03/23/22 09:31	04/01/22 16:39	1
Anthracene	ND		5.0	0.28	ug/L		03/23/22 09:31	04/01/22 16:39	1
Atrazine	ND		5.0	0.46	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/23/22 09:31	04/01/22 16:39	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/23/22 09:31	04/01/22 16:39	1
Biphenyl	ND		5.0	0.65	ug/L		03/23/22 09:31	04/01/22 16:39	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/22 09:31	04/01/22 16:39	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/22 09:31	04/01/22 16:39	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/22 09:31	04/01/22 16:39	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/22 09:31	04/01/22 16:39	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/22 09:31	04/01/22 16:39	1
Caprolactam	ND		5.0	2.2	ug/L		03/23/22 09:31	04/01/22 16:39	1
Carbazole	ND	*+	5.0	0.30	ug/L		03/23/22 09:31	04/01/22 16:39	1

Client Sample ID: BCC Area E RFI-33D_0322

Lab Sample ID: 480-195893-1

Date Collected: 03/16/22 12:45

Matrix: Ground Water

Date Received: 03/18/22 08:00

Method: 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		03/23/22 09:31	04/01/22 16:39	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/22 09:31	04/01/22 16:39	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/22 09:31	04/01/22 16:39	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/22 09:31	04/01/22 16:39	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/22 09:31	04/01/22 16:39	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/22 09:31	04/01/22 16:39	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/22 09:31	04/01/22 16:39	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/22 09:31	04/01/22 16:39	1
Fluorene	ND		5.0	0.36	ug/L		03/23/22 09:31	04/01/22 16:39	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/22 09:31	04/01/22 16:39	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/22 09:31	04/01/22 16:39	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/22 09:31	04/01/22 16:39	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/22 09:31	04/01/22 16:39	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	04/01/22 16:39	1
Isophorone	ND		5.0	0.43	ug/L		03/23/22 09:31	04/01/22 16:39	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/22 09:31	04/01/22 16:39	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/22 09:31	04/01/22 16:39	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/22 09:31	04/01/22 16:39	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/22 09:31	04/01/22 16:39	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/22 09:31	04/01/22 16:39	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/22 09:31	04/01/22 16:39	1
Phenol	ND		5.0	0.39	ug/L		03/23/22 09:31	04/01/22 16:39	1
Pyrene	ND		5.0	0.34	ug/L		03/23/22 09:31	04/01/22 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*41 - 120*	*03/23/22 09:31*	*04/01/22 16:39*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*03/23/22 09:31*	*04/01/22 16:39*	*1*
2-Fluorophenol	*52*		*35 - 120*	*03/23/22 09:31*	*04/01/22 16:39*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*03/23/22 09:31*	*04/01/22 16:39*	*1*
Phenol-d5	*37*		*22 - 120*	*03/23/22 09:31*	*04/01/22 16:39*	*1*
p-Terphenyl-d14	*84*		*60 - 148*	*03/23/22 09:31*	*04/01/22 16:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/21/22 09:47	03/23/22 18:45	1
Antimony	ND		0.020	0.0068	mg/L		03/21/22 09:47	03/23/22 18:45	1
Arsenic	ND		0.015	0.0056	mg/L		03/21/22 09:47	03/23/22 18:45	1
Barium	**0.036**		0.0020	0.00070	mg/L		03/21/22 09:47	03/25/22 00:56	1
Beryllium	ND		0.0020	0.00030	mg/L		03/21/22 09:47	03/23/22 18:45	1
Cadmium	ND		0.0020	0.00050	mg/L		03/21/22 09:47	03/23/22 18:45	1
Calcium	**88.2**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:45	1
Chromium	**0.0081**	**B**	0.0040	0.0010	mg/L		03/21/22 09:47	03/23/22 18:45	1
Cobalt	ND		0.0040	0.00063	mg/L		03/21/22 09:47	03/23/22 18:45	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		03/21/22 09:47	03/23/22 18:45	1
Iron	**0.11**		0.050	0.019	mg/L		03/21/22 09:47	03/23/22 18:45	1
Lead	ND		0.010	0.0030	mg/L		03/21/22 09:47	03/23/22 18:45	1
Magnesium	**11.2**		0.20	0.043	mg/L		03/21/22 09:47	03/23/22 18:45	1
Manganese	**0.0038**	**B**	0.0030	0.00040	mg/L		03/21/22 09:47	03/23/22 18:45	1
Nickel	**0.0089**	**J**	0.010	0.0013	mg/L		03/21/22 09:47	03/23/22 18:45	1
Potassium	**0.88**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:45	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33D_0322
Lab Sample ID: 480-195893-1
Date Collected: 03/16/22 12:45
Matrix: Ground Water
Date Received: 03/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		03/21/22 09:47	03/23/22 18:45	1
Silver	ND		0.0060	0.0017	mg/L		03/21/22 09:47	03/23/22 18:45	1
Sodium	**37.5**		1.0	0.32	mg/L		03/21/22 09:47	03/23/22 18:45	1
Thallium	ND		0.020	0.010	mg/L		03/21/22 09:47	03/23/22 18:45	1
Vanadium	**0.0015**	**J**	0.0050	0.0015	mg/L		03/21/22 09:47	03/23/22 18:45	1
Zinc	**0.0026**	**J B**	0.010	0.0015	mg/L		03/21/22 09:47	03/23/22 18:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/21/22 11:32	03/21/22 14:14	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0322
Lab Sample ID: 480-195893-2
Date Collected: 03/16/22 10:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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			03/18/22 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/18/22 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/18/22 15:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/18/22 15:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/18/22 15:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/18/22 15:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/18/22 15:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/18/22 15:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/18/22 15:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/18/22 15:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/18/22 15:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/18/22 15:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/18/22 15:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/18/22 15:49	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			03/18/22 15:49	1
2-Hexanone	ND		5.0	1.2	ug/L			03/18/22 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/18/22 15:49	1
Acetone	ND		10	3.0	ug/L			03/18/22 15:49	1
Benzene	ND		1.0	0.41	ug/L			03/18/22 15:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/18/22 15:49	1
Bromoform	ND		1.0	0.26	ug/L			03/18/22 15:49	1
Bromomethane	ND		1.0	0.69	ug/L			03/18/22 15:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/18/22 15:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/18/22 15:49	1
Chlorobenzene	**1.5**		1.0	0.75	ug/L			03/18/22 15:49	1
Chloroethane	ND		1.0	0.32	ug/L			03/18/22 15:49	1
Chloroform	ND		1.0	0.34	ug/L			03/18/22 15:49	1
Chloromethane	ND		1.0	0.35	ug/L			03/18/22 15:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/18/22 15:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/18/22 15:49	1
Cyclohexane	ND		1.0	0.18	ug/L			03/18/22 15:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/18/22 15:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/18/22 15:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/18/22 15:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/18/22 15:49	1
Methyl acetate	ND		2.5	1.3	ug/L			03/18/22 15:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/18/22 15:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/18/22 15:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/18/22 15:49	1
Styrene	ND		1.0	0.73	ug/L			03/18/22 15:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/18/22 15:49	1
Toluene	ND		1.0	0.51	ug/L			03/18/22 15:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/18/22 15:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/18/22 15:49	1
Trichloroethene	ND		1.0	0.46	ug/L			03/18/22 15:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/18/22 15:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/18/22 15:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/18/22 15:49	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0322
Lab Sample ID: 480-195893-2

Date Collected: 03/16/22 10:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*03/18/22 15:49*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/18/22 15:49*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/22 15:49*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*03/18/22 15:49*	*1*

Method: 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		03/23/22 09:31	03/25/22 19:35	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/22 09:31	03/25/22 19:35	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 19:35	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/22 09:31	03/25/22 19:35	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 19:35	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 19:35	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/22 09:31	03/25/22 19:35	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	03/25/22 19:35	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 19:35	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/22 09:31	03/25/22 19:35	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/22 09:31	03/25/22 19:35	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/22 09:31	03/25/22 19:35	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/22 09:31	03/25/22 19:35	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/22 09:31	03/25/22 19:35	1
Acetophenone	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 19:35	1
Aniline	ND		10	0.61	ug/L		03/23/22 09:31	03/25/22 19:35	1
Anthracene	ND		5.0	0.28	ug/L		03/23/22 09:31	03/25/22 19:35	1
Atrazine	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 19:35	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/23/22 09:31	03/25/22 19:35	1
Biphenyl	ND		5.0	0.65	ug/L		03/23/22 09:31	03/25/22 19:35	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/22 09:31	03/25/22 19:35	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 19:35	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 19:35	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 19:35	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/22 09:31	03/25/22 19:35	1
Caprolactam	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 19:35	1
Carbazole	ND	*+	5.0	0.30	ug/L		03/23/22 09:31	03/25/22 19:35	1

Client Sample ID: BCC Area E MW-E05_0322
Lab Sample ID: 480-195893-2
Date Collected: 03/16/22 10:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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		03/23/22 09:31	03/25/22 19:35	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/22 09:31	03/25/22 19:35	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/22 09:31	03/25/22 19:35	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/22 09:31	03/25/22 19:35	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 19:35	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/22 09:31	03/25/22 19:35	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 19:35	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 19:35	1
Fluorene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 19:35	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 19:35	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/22 09:31	03/25/22 19:35	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 19:35	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 19:35	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 19:35	1
Isophorone	ND		5.0	0.43	ug/L		03/23/22 09:31	03/25/22 19:35	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/22 09:31	03/25/22 19:35	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/22 09:31	03/25/22 19:35	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 19:35	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 19:35	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 19:35	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/22 09:31	03/25/22 19:35	1
Phenol	ND		5.0	0.39	ug/L		03/23/22 09:31	03/25/22 19:35	1
Pyrene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*41 - 120*	*03/23/22 09:31*	*03/25/22 19:35*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*03/23/22 09:31*	*03/25/22 19:35*	*1*
2-Fluorophenol	*55*		*35 - 120*	*03/23/22 09:31*	*03/25/22 19:35*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*03/23/22 09:31*	*03/25/22 19:35*	*1*
Phenol-d5	*42*		*22 - 120*	*03/23/22 09:31*	*03/25/22 19:35*	*1*
p-Terphenyl-d14	*75*		*60 - 148*	*03/23/22 09:31*	*03/25/22 19:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.21**		0.20	0.060	mg/L		03/21/22 09:47	03/23/22 18:49	1
Antimony	ND		0.020	0.0068	mg/L		03/21/22 09:47	03/23/22 18:49	1
Arsenic	ND		0.015	0.0056	mg/L		03/21/22 09:47	03/23/22 18:49	1
Barium	**0.025**		0.0020	0.00070	mg/L		03/21/22 09:47	03/25/22 00:59	1
Beryllium	ND		0.0020	0.00030	mg/L		03/21/22 09:47	03/23/22 18:49	1
Cadmium	**0.011**		0.0020	0.00050	mg/L		03/21/22 09:47	03/23/22 18:49	1
Calcium	**127**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:49	1
Chromium	**0.0012**	**J B**	0.0040	0.0010	mg/L		03/21/22 09:47	03/23/22 18:49	1
Cobalt	**0.012**		0.0040	0.00063	mg/L		03/21/22 09:47	03/23/22 18:49	1
Copper	**0.12**		0.010	0.0016	mg/L		03/21/22 09:47	03/23/22 18:49	1
Iron	**0.26**		0.050	0.019	mg/L		03/21/22 09:47	03/23/22 18:49	1
Lead	**0.024**		0.010	0.0030	mg/L		03/21/22 09:47	03/23/22 18:49	1
Magnesium	**14.7**		0.20	0.043	mg/L		03/21/22 09:47	03/23/22 18:49	1
Manganese	**0.14**	**B**	0.0030	0.00040	mg/L		03/21/22 09:47	03/23/22 18:49	1
Nickel	**0.014**		0.010	0.0013	mg/L		03/21/22 09:47	03/23/22 18:49	1
Potassium	**3.1**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:49	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0322
Lab Sample ID: 480-195893-2
Date Collected: 03/16/22 10:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		03/21/22 09:47	03/23/22 18:49	1
Silver	ND		0.0060	0.0017	mg/L		03/21/22 09:47	03/23/22 18:49	1
Sodium	**22.5**		1.0	0.32	mg/L		03/21/22 09:47	03/23/22 18:49	1
Thallium	ND		0.020	0.010	mg/L		03/21/22 09:47	03/23/22 18:49	1
Vanadium	ND		0.0050	0.0015	mg/L		03/21/22 09:47	03/23/22 18:49	1
Zinc	**2.8**	**B**	0.010	0.0015	mg/L		03/21/22 09:47	03/23/22 18:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/21/22 11:32	03/21/22 14:15	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0322
Lab Sample ID: 480-195893-3
Date Collected: 03/16/22 11:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/18/22 16:12	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/18/22 16:12	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/18/22 16:12	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/18/22 16:12	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/18/22 16:12	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/18/22 16:12	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/18/22 16:12	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/18/22 16:12	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/18/22 16:12	2
1,2-Dichlorobenzene	**3.8**		2.0	1.6	ug/L			03/18/22 16:12	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/18/22 16:12	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/18/22 16:12	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/18/22 16:12	2
1,4-Dichlorobenzene	**4.0**		2.0	1.7	ug/L			03/18/22 16:12	2
2-Butanone (MEK)	ND	*+	20	2.6	ug/L			03/18/22 16:12	2
2-Hexanone	ND		10	2.5	ug/L			03/18/22 16:12	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/18/22 16:12	2
Acetone	ND		20	6.0	ug/L			03/18/22 16:12	2
Benzene	**0.99**	**J**	2.0	0.82	ug/L			03/18/22 16:12	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/18/22 16:12	2
Bromoform	ND		2.0	0.52	ug/L			03/18/22 16:12	2
Bromomethane	ND		2.0	1.4	ug/L			03/18/22 16:12	2
Carbon disulfide	**3.0**		2.0	0.38	ug/L			03/18/22 16:12	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/18/22 16:12	2
Chlorobenzene	**8.6**		2.0	1.5	ug/L			03/18/22 16:12	2
Chloroethane	ND		2.0	0.64	ug/L			03/18/22 16:12	2
Chloroform	ND		2.0	0.68	ug/L			03/18/22 16:12	2
Chloromethane	ND		2.0	0.70	ug/L			03/18/22 16:12	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			03/18/22 16:12	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/18/22 16:12	2
Cyclohexane	ND		2.0	0.36	ug/L			03/18/22 16:12	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/18/22 16:12	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/18/22 16:12	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/18/22 16:12	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/18/22 16:12	2
Methyl acetate	ND		5.0	2.6	ug/L			03/18/22 16:12	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/18/22 16:12	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/18/22 16:12	2
Methylene Chloride	**1.0**	**J**	2.0	0.88	ug/L			03/18/22 16:12	2
Styrene	ND		2.0	1.5	ug/L			03/18/22 16:12	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/18/22 16:12	2
Toluene	ND		2.0	1.0	ug/L			03/18/22 16:12	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/18/22 16:12	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/18/22 16:12	2
Trichloroethene	ND		2.0	0.92	ug/L			03/18/22 16:12	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/18/22 16:12	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/18/22 16:12	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/18/22 16:12	2

Client Sample ID: BCC Area E RFI-29_0322

Lab Sample ID: 480-195893-3

Date Collected: 03/16/22 11:30

Matrix: Ground Water

Date Received: 03/18/22 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/18/22 16:12*	*2*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/18/22 16:12*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/18/22 16:12*	*2*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*03/18/22 16:12*	*2*

Method: 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		03/23/22 09:31	03/25/22 20:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/22 09:31	03/25/22 20:02	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 20:02	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/22 09:31	03/25/22 20:02	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 20:02	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 20:02	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/22 09:31	03/25/22 20:02	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	03/25/22 20:02	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 20:02	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/22 09:31	03/25/22 20:02	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Chloroaniline	**2.8**	**J**	5.0	0.59	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/22 09:31	03/25/22 20:02	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/22 09:31	03/25/22 20:02	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/22 09:31	03/25/22 20:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/22 09:31	03/25/22 20:02	1
Acetophenone	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 20:02	1
Aniline	**1.5**	**J**	10	0.61	ug/L		03/23/22 09:31	03/25/22 20:02	1
Anthracene	ND		5.0	0.28	ug/L		03/23/22 09:31	03/25/22 20:02	1
Atrazine	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 20:02	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/23/22 09:31	03/25/22 20:02	1
Biphenyl	ND		5.0	0.65	ug/L		03/23/22 09:31	03/25/22 20:02	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/22 09:31	03/25/22 20:02	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 20:02	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 20:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 20:02	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/22 09:31	03/25/22 20:02	1
Caprolactam	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 20:02	1
Carbazole	ND	*+	5.0	0.30	ug/L		03/23/22 09:31	03/25/22 20:02	1

Client Sample ID: BCC Area E RFI-29_0322
Lab Sample ID: 480-195893-3

Date Collected: 03/16/22 11:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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		03/23/22 09:31	03/25/22 20:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/22 09:31	03/25/22 20:02	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/22 09:31	03/25/22 20:02	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/22 09:31	03/25/22 20:02	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 20:02	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/22 09:31	03/25/22 20:02	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 20:02	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 20:02	1
Fluorene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 20:02	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 20:02	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/22 09:31	03/25/22 20:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 20:02	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 20:02	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 20:02	1
Isophorone	ND		5.0	0.43	ug/L		03/23/22 09:31	03/25/22 20:02	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/22 09:31	03/25/22 20:02	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/22 09:31	03/25/22 20:02	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 20:02	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 20:02	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 20:02	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/22 09:31	03/25/22 20:02	1
Phenol	ND		5.0	0.39	ug/L		03/23/22 09:31	03/25/22 20:02	1
Pyrene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*03/23/22 09:31*	*03/25/22 20:02*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*03/23/22 09:31*	*03/25/22 20:02*	*1*
2-Fluorophenol	*61*		*35 - 120*	*03/23/22 09:31*	*03/25/22 20:02*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*03/23/22 09:31*	*03/25/22 20:02*	*1*
Phenol-d5	*45*		*22 - 120*	*03/23/22 09:31*	*03/25/22 20:02*	*1*
p-Terphenyl-d14	*77*		*60 - 148*	*03/23/22 09:31*	*03/25/22 20:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/21/22 09:47	03/23/22 18:53	1
Antimony	ND		0.020	0.0068	mg/L		03/21/22 09:47	03/23/22 18:53	1
Arsenic	ND		0.015	0.0056	mg/L		03/21/22 09:47	03/23/22 18:53	1
Barium	**0.074**		0.0020	0.00070	mg/L		03/21/22 09:47	03/25/22 01:03	1
Beryllium	ND		0.0020	0.00030	mg/L		03/21/22 09:47	03/23/22 18:53	1
Cadmium	ND		0.0020	0.00050	mg/L		03/21/22 09:47	03/23/22 18:53	1
Calcium	**253**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:53	1
Chromium	ND		0.0040	0.0010	mg/L		03/21/22 09:47	03/23/22 18:53	1
Cobalt	ND		0.0040	0.00063	mg/L		03/21/22 09:47	03/23/22 18:53	1
Copper	ND		0.010	0.0016	mg/L		03/21/22 09:47	03/23/22 18:53	1
Iron	**2.1**		0.050	0.019	mg/L		03/21/22 09:47	03/23/22 18:53	1
Lead	ND		0.010	0.0030	mg/L		03/21/22 09:47	03/23/22 18:53	1
Magnesium	**38.5**		0.20	0.043	mg/L		03/21/22 09:47	03/23/22 18:53	1
Manganese	**0.38**	**B**	0.0030	0.00040	mg/L		03/21/22 09:47	03/23/22 18:53	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		03/21/22 09:47	03/23/22 18:53	1
Potassium	**5.6**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:53	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0322
Lab Sample ID: 480-195893-3
Date Collected: 03/16/22 11:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		03/21/22 09:47	03/23/22 18:53	1
Silver	ND		0.0060	0.0017	mg/L		03/21/22 09:47	03/23/22 18:53	1
Sodium	**125**		1.0	0.32	mg/L		03/21/22 09:47	03/23/22 18:53	1
Thallium	ND		0.020	0.010	mg/L		03/21/22 09:47	03/23/22 18:53	1
Vanadium	ND		0.0050	0.0015	mg/L		03/21/22 09:47	03/23/22 18:53	1
Zinc	ND		0.010	0.0015	mg/L		03/21/22 09:47	03/23/22 18:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/21/22 11:32	03/21/22 14:16	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0322
Lab Sample ID: 480-195893-4
Date Collected: 03/16/22 12:35
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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			03/18/22 16:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/18/22 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/18/22 16:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/18/22 16:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/18/22 16:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/18/22 16:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/18/22 16:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/18/22 16:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/18/22 16:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/18/22 16:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/18/22 16:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/18/22 16:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/18/22 16:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/18/22 16:33	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			03/18/22 16:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/18/22 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/18/22 16:33	1
Acetone	ND		10	3.0	ug/L			03/18/22 16:33	1
Benzene	ND		1.0	0.41	ug/L			03/18/22 16:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/18/22 16:33	1
Bromoform	ND		1.0	0.26	ug/L			03/18/22 16:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/18/22 16:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/18/22 16:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/18/22 16:33	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			03/18/22 16:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/18/22 16:33	1
Chloroform	ND		1.0	0.34	ug/L			03/18/22 16:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/18/22 16:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/18/22 16:33	1
cis-1,3-Dichloropropene	ND	F1	1.0	0.36	ug/L			03/18/22 16:33	1
Cyclohexane	ND		1.0	0.18	ug/L			03/18/22 16:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/18/22 16:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/18/22 16:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/18/22 16:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/18/22 16:33	1
Methyl acetate	ND		2.5	1.3	ug/L			03/18/22 16:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/18/22 16:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/18/22 16:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/18/22 16:33	1
Styrene	ND	F1	1.0	0.73	ug/L			03/18/22 16:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/18/22 16:33	1
Toluene	ND		1.0	0.51	ug/L			03/18/22 16:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/18/22 16:33	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.37	ug/L			03/18/22 16:33	1
Trichloroethene	ND		1.0	0.46	ug/L			03/18/22 16:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/18/22 16:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/18/22 16:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/18/22 16:33	1

Client Sample ID: BCC Area E RFI-33_0322

Lab Sample ID: 480-195893-4

Date Collected: 03/16/22 12:35

Matrix: Ground Water

Date Received: 03/18/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*03/18/22 16:33*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/18/22 16:33*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/18/22 16:33*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*03/18/22 16:33*	*1*

Method: 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		03/23/22 09:31	03/25/22 03:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/22 09:31	03/25/22 03:28	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 03:28	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/22 09:31	03/25/22 03:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 03:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 03:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/22 09:31	03/25/22 03:28	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	03/25/22 03:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 03:28	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/22 09:31	03/25/22 03:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/22 09:31	03/25/22 03:28	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/22 09:31	03/25/22 03:28	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/22 09:31	03/25/22 03:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/22 09:31	03/25/22 03:28	1
Acetophenone	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 03:28	1
Aniline	ND		10	0.61	ug/L		03/23/22 09:31	03/25/22 03:28	1
Anthracene	ND		5.0	0.28	ug/L		03/23/22 09:31	03/25/22 03:28	1
Atrazine	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 03:28	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/23/22 09:31	03/25/22 03:28	1
Biphenyl	ND		5.0	0.65	ug/L		03/23/22 09:31	03/25/22 03:28	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/22 09:31	03/25/22 03:28	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 03:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 03:28	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 03:28	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/22 09:31	03/25/22 03:28	1
Caprolactam	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 03:28	1
Carbazole	ND	*+ F1	5.0	0.30	ug/L		03/23/22 09:31	03/25/22 03:28	1

Client Sample ID: BCC Area E RFI-33_0322
Lab Sample ID: 480-195893-4
Date Collected: 03/16/22 12:35
Matrix: Ground Water
Date Received: 03/18/22 08:00

Method: 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		03/23/22 09:31	03/25/22 03:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/22 09:31	03/25/22 03:28	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/22 09:31	03/25/22 03:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/22 09:31	03/25/22 03:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 03:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/22 09:31	03/25/22 03:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 03:28	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 03:28	1
Fluorene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 03:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 03:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/22 09:31	03/25/22 03:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 03:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 03:28	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 03:28	1
Isophorone	ND		5.0	0.43	ug/L		03/23/22 09:31	03/25/22 03:28	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/22 09:31	03/25/22 03:28	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/22 09:31	03/25/22 03:28	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 03:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 03:28	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 03:28	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/22 09:31	03/25/22 03:28	1
Phenol	ND		5.0	0.39	ug/L		03/23/22 09:31	03/25/22 03:28	1
Pyrene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*41 - 120*	*03/23/22 09:31*	*03/25/22 03:28*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*03/23/22 09:31*	*03/25/22 03:28*	*1*
2-Fluorophenol	*66*		*35 - 120*	*03/23/22 09:31*	*03/25/22 03:28*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*03/23/22 09:31*	*03/25/22 03:28*	*1*
Phenol-d5	*50*		*22 - 120*	*03/23/22 09:31*	*03/25/22 03:28*	*1*
p-Terphenyl-d14	*97*		*60 - 148*	*03/23/22 09:31*	*03/25/22 03:28*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.064**	**J**	0.20	0.060	mg/L		03/21/22 09:47	03/23/22 18:57	1
Antimony	ND		0.020	0.0068	mg/L		03/21/22 09:47	03/23/22 18:57	1
Arsenic	ND		0.015	0.0056	mg/L		03/21/22 09:47	03/23/22 18:57	1
Barium	**0.038**		0.0020	0.00070	mg/L		03/21/22 09:47	03/25/22 17:42	1
Beryllium	ND		0.0020	0.00030	mg/L		03/21/22 09:47	03/23/22 18:57	1
Cadmium	ND		0.0020	0.00050	mg/L		03/21/22 09:47	03/23/22 18:57	1
Calcium	**89.3**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:57	1
Chromium	**0.0061**	**B**	0.0040	0.0010	mg/L		03/21/22 09:47	03/23/22 18:57	1
Cobalt	ND		0.0040	0.00063	mg/L		03/21/22 09:47	03/23/22 18:57	1
Copper	**0.0025**	**J**	0.010	0.0016	mg/L		03/21/22 09:47	03/23/22 18:57	1
Iron	**0.095**		0.050	0.019	mg/L		03/21/22 09:47	03/23/22 18:57	1
Lead	ND		0.010	0.0030	mg/L		03/21/22 09:47	03/23/22 18:57	1
Magnesium	**11.4**		0.20	0.043	mg/L		03/21/22 09:47	03/23/22 18:57	1
Manganese	**0.0036**	**B**	0.0030	0.00040	mg/L		03/21/22 09:47	03/23/22 18:57	1
Nickel	**0.0087**	**J**	0.010	0.0013	mg/L		03/21/22 09:47	03/23/22 18:57	1
Potassium	**0.91**		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 18:57	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0322
Lab Sample ID: 480-195893-4
Date Collected: 03/16/22 12:35
Matrix: Ground Water
Date Received: 03/18/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		03/21/22 09:47	03/23/22 18:57	1
Silver	ND		0.0060	0.0017	mg/L		03/21/22 09:47	03/23/22 18:57	1
Sodium	**39.1**	**F1**	1.0	0.32	mg/L		03/21/22 09:47	03/23/22 18:57	1
Thallium	ND		0.020	0.010	mg/L		03/21/22 09:47	03/23/22 18:57	1
Vanadium	**0.0015**	**J**	0.0050	0.0015	mg/L		03/21/22 09:47	03/23/22 18:57	1
Zinc	**0.0034**	**J B**	0.010	0.0015	mg/L		03/21/22 09:47	03/23/22 18:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/21/22 11:32	03/21/22 14:18	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195893-5
Date Collected: 03/16/22 00:00
Matrix: Water
Date Received: 03/18/22 08:00

Method: 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			03/18/22 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/18/22 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/18/22 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/18/22 16:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/18/22 16:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/18/22 16:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/18/22 16:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/18/22 16:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/18/22 16:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/18/22 16:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/18/22 16:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/18/22 16:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/18/22 16:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/18/22 16:55	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			03/18/22 16:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/18/22 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/18/22 16:55	1
Acetone	**3.9**	**J**	10	3.0	ug/L			03/18/22 16:55	1
Benzene	ND		1.0	0.41	ug/L			03/18/22 16:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/18/22 16:55	1
Bromoform	ND		1.0	0.26	ug/L			03/18/22 16:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/18/22 16:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/18/22 16:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/18/22 16:55	1
Chlorobenzene	**0.88**	**J**	1.0	0.75	ug/L			03/18/22 16:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/18/22 16:55	1
Chloroform	ND		1.0	0.34	ug/L			03/18/22 16:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/18/22 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/18/22 16:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/18/22 16:55	1
Cyclohexane	ND		1.0	0.18	ug/L			03/18/22 16:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/18/22 16:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/18/22 16:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/18/22 16:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/18/22 16:55	1
Methyl acetate	ND		2.5	1.3	ug/L			03/18/22 16:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/18/22 16:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/18/22 16:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/18/22 16:55	1
Styrene	ND		1.0	0.73	ug/L			03/18/22 16:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/18/22 16:55	1
Toluene	ND		1.0	0.51	ug/L			03/18/22 16:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/18/22 16:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/18/22 16:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/18/22 16:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/18/22 16:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/18/22 16:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/18/22 16:55	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195893-5
Date Collected: 03/16/22 00:00
Matrix: Water
Date Received: 03/18/22 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		03/18/22 16:55	1
4-Bromofluorobenzene (Surr)	86		73 - 120		03/18/22 16:55	1
Toluene-d8 (Surr)	102		80 - 120		03/18/22 16:55	1
Dibromofluoromethane (Surr)	116		75 - 123		03/18/22 16:55	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-195893-1	BCC Area E RFI-33D_0322	111	90	101	112
480-195893-2	BCC Area E MW-E05_0322	112	88	101	116
480-195893-3	BCC Area E RFI-29_0322	111	91	100	115
480-195893-4	BCC Area E RFI-33_0322	113	85	102	117
480-195893-4 MS	BCC Area E RFI-33_0322	108	88	106	109
480-195893-4 MSD	BCC Area E RFI-33_0322	107	92	105	108

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)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-195893-5	TRIP BLANK	111	86	102	116
LCS 480-618322/5	Lab Control Sample	106	89	98	100
LCSD 480-618322/6	Lab Control Sample Dup	109	90	99	103
MB 480-618322/8	Method Blank	105	99	96	100

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)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-195893-1	BCC Area E RFI-33D_0322	78	93	52	83	37	84
480-195893-2	BCC Area E MW-E05_0322	94	87	55	80	42	75
480-195893-3	BCC Area E RFI-29_0322	98	93	61	83	45	77
480-195893-4	BCC Area E RFI-33_0322	103	100	66	92	50	97
480-195893-4 MS	BCC Area E RFI-33_0322	101	91	59	88	44	72
480-195893-4 MSD	BCC Area E RFI-33_0322	100	94	59	90	45	72

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.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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 480-618756/2-A	Lab Control Sample	100	98	66	93	49	96		
LCSD 480-618756/3-A	Lab Control Sample Dup	105	102	69	101	51	96		
MB 480-618756/1-A	Method Blank	90	100	69	93	50	102		

Surrogate Legend

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

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

Lab Sample ID: MB 480-618322/8
Matrix: Water
Analysis Batch: 618322

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			03/18/22 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/18/22 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/18/22 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/18/22 12:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/18/22 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/18/22 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/18/22 12:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/18/22 12:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/18/22 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/18/22 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/18/22 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/18/22 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/18/22 12:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/18/22 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/18/22 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/18/22 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/18/22 12:15	1
Acetone	ND		10	3.0	ug/L			03/18/22 12:15	1
Benzene	ND		1.0	0.41	ug/L			03/18/22 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/18/22 12:15	1
Bromoform	ND		1.0	0.26	ug/L			03/18/22 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/18/22 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/18/22 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/18/22 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/18/22 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/18/22 12:15	1
Chloroform	ND		1.0	0.34	ug/L			03/18/22 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/18/22 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/18/22 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/18/22 12:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/18/22 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/18/22 12:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/18/22 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/18/22 12:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/18/22 12:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/18/22 12:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/18/22 12:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/18/22 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/18/22 12:15	1
Styrene	ND		1.0	0.73	ug/L			03/18/22 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/18/22 12:15	1
Toluene	ND		1.0	0.51	ug/L			03/18/22 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/18/22 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/18/22 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/18/22 12:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/18/22 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/18/22 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/18/22 12:15	1

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

Lab Sample ID: MB 480-618322/8
Matrix: Water
Analysis Batch: 618322

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		03/18/22 12:15	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/18/22 12:15	1
Toluene-d8 (Surr)	96		80 - 120		03/18/22 12:15	1
Dibromofluoromethane (Surr)	100		75 - 123		03/18/22 12:15	1

Lab Sample ID: LCS 480-618322/5
Matrix: Water
Analysis Batch: 618322

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	22.9		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.6		ug/L		82	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	21.8		ug/L		87	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	56 - 134
1,2-Dibromoethane	25.0	23.3		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	23.4		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	213	*+	ug/L		170	57 - 140
2-Hexanone	125	103		ug/L		82	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	132		ug/L		105	56 - 142
Benzene	25.0	22.9		ug/L		91	71 - 124
Bromodichloromethane	25.0	23.4		ug/L		94	80 - 122
Bromoform	25.0	21.6		ug/L		86	61 - 132
Bromomethane	25.0	24.1		ug/L		97	55 - 144
Carbon disulfide	25.0	21.3		ug/L		85	59 - 134
Carbon tetrachloride	25.0	22.5		ug/L		90	72 - 134
Chlorobenzene	25.0	22.2		ug/L		89	80 - 120
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Cyclohexane	25.0	21.6		ug/L		86	59 - 135
Dibromochloromethane	25.0	23.7		ug/L		95	75 - 125
Dichlorodifluoromethane	25.0	21.0		ug/L		84	59 - 135
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Isopropylbenzene	25.0	26.8		ug/L		107	77 - 122
Methyl acetate	50.0	51.2		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	21.3		ug/L		85	68 - 134

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

Lab Sample ID: LCS 480-618322/5
Matrix: Water
Analysis Batch: 618322

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	24.0		ug/L		96	75 - 124
Styrene	25.0	22.4		ug/L		90	80 - 120
Tetrachloroethene	25.0	21.7		ug/L		87	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	80 - 120
Trichloroethene	25.0	23.4		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	23.5		ug/L		94	65 - 133
Xylenes, Total	50.0	44.8		ug/L		90	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: LCSD 480-618322/6
Matrix: Water
Analysis Batch: 618322

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	24.0		ug/L		96	73 - 126	5	15
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3		ug/L		89	61 - 148	8	20
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122	0	15
1,1-Dichloroethane	25.0	25.9		ug/L		104	77 - 120	6	20
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127	7	16
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		100	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		105	56 - 134	1	15
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120	1	15
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124	2	20
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120	4	20
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120	2	20
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 120	3	20
2-Butanone (MEK)	125	215	*+	ug/L		172	57 - 140	1	20
2-Hexanone	125	101		ug/L		80	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125	1	35
Acetone	125	139		ug/L		111	56 - 142	5	15
Benzene	25.0	23.8		ug/L		95	71 - 124	4	13
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122	5	15
Bromoform	25.0	21.5		ug/L		86	61 - 132	0	15
Bromomethane	25.0	24.3		ug/L		97	55 - 144	1	15
Carbon disulfide	25.0	22.8		ug/L		91	59 - 134	7	15
Carbon tetrachloride	25.0	23.7		ug/L		95	72 - 134	5	15
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120	3	25
Chloroethane	25.0	26.6		ug/L		106	69 - 136	8	15

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

Lab Sample ID: LCSD 480-618322/6
Matrix: Water
Analysis Batch: 618322

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	24.1		ug/L		96	73 - 127	4	20
Chloromethane	25.0	25.1		ug/L		100	68 - 124	5	15
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124	6	15
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124	4	15
Cyclohexane	25.0	22.8		ug/L		91	59 - 135	6	20
Dibromochloromethane	25.0	24.1		ug/L		97	75 - 125	2	15
Dichlorodifluoromethane	25.0	22.3		ug/L		89	59 - 135	6	20
Ethylbenzene	25.0	22.9		ug/L		92	77 - 123	4	15
Isopropylbenzene	25.0	28.6		ug/L		114	77 - 122	6	20
Methyl acetate	50.0	52.8		ug/L		106	74 - 133	3	20
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120	3	37
Methylcyclohexane	25.0	22.9		ug/L		92	68 - 134	7	20
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124	5	15
Styrene	25.0	22.9		ug/L		92	80 - 120	2	20
Tetrachloroethene	25.0	22.9		ug/L		92	74 - 122	5	20
Toluene	25.0	23.7		ug/L		95	80 - 122	4	15
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127	6	20
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120	2	15
Trichloroethene	25.0	24.4		ug/L		98	74 - 123	4	16
Trichlorofluoromethane	25.0	26.4		ug/L		105	62 - 150	6	20
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133	7	15
Xylenes, Total	50.0	47.0		ug/L		94	76 - 122	5	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 618322

Client Sample ID: BCC Area E RFI-33_0322
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	21.3		ug/L		85	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	20.3		ug/L		81	61 - 148
1,1,2-Trichloroethane	ND		25.0	20.9		ug/L		83	76 - 122
1,1-Dichloroethane	ND		25.0	21.9		ug/L		87	77 - 120
1,1-Dichloroethene	ND		25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	20.3		ug/L		81	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.0		ug/L		100	56 - 134
1,2-Dibromoethane	ND		25.0	20.7		ug/L		83	77 - 120
1,2-Dichlorobenzene	ND		25.0	21.4		ug/L		86	80 - 124
1,2-Dichloroethane	ND		25.0	21.7		ug/L		87	75 - 120
1,2-Dichloropropane	ND		25.0	19.2		ug/L		77	76 - 120
1,3-Dichlorobenzene	ND		25.0	20.1		ug/L		80	77 - 120
1,4-Dichlorobenzene	ND		25.0	19.5		ug/L		78	78 - 124

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

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 618322

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	ND	*+	125	106		ug/L		84	57 - 140
2-Hexanone	ND		125	100		ug/L		80	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	118		ug/L		94	71 - 125
Acetone	ND		125	113		ug/L		90	56 - 142
Benzene	ND		25.0	20.0		ug/L		80	71 - 124
Bromodichloromethane	ND		25.0	20.4		ug/L		82	80 - 122
Bromoform	ND		25.0	19.8		ug/L		79	61 - 132
Bromomethane	ND		25.0	26.4		ug/L		106	55 - 144
Carbon disulfide	ND		25.0	19.8		ug/L		79	59 - 134
Carbon tetrachloride	ND		25.0	21.2		ug/L		85	72 - 134
Chlorobenzene	ND	F1	25.0	18.9	F1	ug/L		76	80 - 120
Chloroethane	ND		25.0	27.6		ug/L		110	69 - 136
Chloroform	ND		25.0	21.0		ug/L		84	73 - 127
Chloromethane	ND		25.0	26.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	ND		25.0	20.3		ug/L		81	74 - 124
cis-1,3-Dichloropropene	ND	F1	25.0	16.9	F1	ug/L		68	74 - 124
Cyclohexane	ND		25.0	20.4		ug/L		82	59 - 135
Dibromochloromethane	ND		25.0	21.6		ug/L		86	75 - 125
Dichlorodifluoromethane	ND		25.0	23.6		ug/L		94	59 - 135
Ethylbenzene	ND		25.0	19.2		ug/L		77	77 - 123
Isopropylbenzene	ND		25.0	22.9		ug/L		91	77 - 122
Methyl acetate	ND		50.0	47.0		ug/L		94	74 - 133
Methyl tert-butyl ether	ND		25.0	20.8		ug/L		83	77 - 120
Methylcyclohexane	ND		25.0	19.4		ug/L		77	68 - 134
Methylene Chloride	ND		25.0	21.5		ug/L		86	75 - 124
Styrene	ND	F1	25.0	19.1	F1	ug/L		76	80 - 120
Tetrachloroethene	ND		25.0	19.5		ug/L		78	74 - 122
Toluene	ND		25.0	20.2		ug/L		81	80 - 122
trans-1,2-Dichloroethene	ND		25.0	21.1		ug/L		85	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	19.4	F1	ug/L		77	80 - 120
Trichloroethene	ND		25.0	19.3		ug/L		77	74 - 123
Trichlorofluoromethane	ND		25.0	28.9		ug/L		115	62 - 150
Vinyl chloride	ND		25.0	26.2		ug/L		105	65 - 133
Xylenes, Total	ND		50.0	39.9		ug/L		80	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 618322

Client Sample ID: BCC Area E RFI-33_0322
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	22.6		ug/L		90	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.0		ug/L		100	76 - 120	4	15

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

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 618322

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	21.1		ug/L		84	61 - 148	4	20
1,1,2-Trichloroethane	ND		25.0	22.3		ug/L		89	76 - 122	7	15
1,1-Dichloroethane	ND		25.0	22.8		ug/L		91	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	21.6		ug/L		86	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	22.8		ug/L		91	79 - 122	12	20
1,2-Dibromo-3-Chloropropane	ND		25.0	26.5		ug/L		106	56 - 134	6	15
1,2-Dibromoethane	ND		25.0	22.5		ug/L		90	77 - 120	8	15
1,2-Dichlorobenzene	ND		25.0	22.9		ug/L		92	80 - 124	7	20
1,2-Dichloroethane	ND		25.0	23.1		ug/L		92	75 - 120	6	20
1,2-Dichloropropane	ND		25.0	21.0		ug/L		84	76 - 120	9	20
1,3-Dichlorobenzene	ND		25.0	21.7		ug/L		87	77 - 120	8	20
1,4-Dichlorobenzene	ND		25.0	21.2		ug/L		85	78 - 124	8	20
2-Butanone (MEK)	ND	*+	125	119		ug/L		95	57 - 140	12	20
2-Hexanone	ND		125	114		ug/L		91	65 - 127	13	15
4-Methyl-2-pentanone (MIBK)	ND		125	127		ug/L		101	71 - 125	7	35
Acetone	ND		125	119		ug/L		95	56 - 142	5	15
Benzene	ND		25.0	21.4		ug/L		86	71 - 124	7	13
Bromodichloromethane	ND		25.0	22.1		ug/L		88	80 - 122	8	15
Bromoform	ND		25.0	21.3		ug/L		85	61 - 132	8	15
Bromomethane	ND		25.0	27.9		ug/L		112	55 - 144	6	15
Carbon disulfide	ND		25.0	21.0		ug/L		84	59 - 134	6	15
Carbon tetrachloride	ND		25.0	22.6		ug/L		90	72 - 134	6	15
Chlorobenzene	ND	F1	25.0	20.6		ug/L		82	80 - 120	9	25
Chloroethane	ND		25.0	29.5		ug/L		118	69 - 136	7	15
Chloroform	ND		25.0	22.2		ug/L		89	73 - 127	5	20
Chloromethane	ND		25.0	27.2		ug/L		109	68 - 124	5	15
cis-1,2-Dichloroethene	ND		25.0	21.5		ug/L		86	74 - 124	6	15
cis-1,3-Dichloropropene	ND	F1	25.0	19.6		ug/L		78	74 - 124	15	15
Cyclohexane	ND		25.0	21.4		ug/L		86	59 - 135	5	20
Dibromochloromethane	ND		25.0	22.9		ug/L		92	75 - 125	6	15
Dichlorodifluoromethane	ND		25.0	24.3		ug/L		97	59 - 135	3	20
Ethylbenzene	ND		25.0	20.8		ug/L		83	77 - 123	8	15
Isopropylbenzene	ND		25.0	24.7		ug/L		99	77 - 122	8	20
Methyl acetate	ND		50.0	48.8		ug/L		98	74 - 133	4	20
Methyl tert-butyl ether	ND		25.0	22.7		ug/L		91	77 - 120	9	37
Methylcyclohexane	ND		25.0	20.7		ug/L		83	68 - 134	7	20
Methylene Chloride	ND		25.0	22.6		ug/L		90	75 - 124	5	15
Styrene	ND	F1	25.0	21.1		ug/L		84	80 - 120	10	20
Tetrachloroethene	ND		25.0	20.6		ug/L		83	74 - 122	6	20
Toluene	ND		25.0	21.6		ug/L		86	80 - 122	7	15
trans-1,2-Dichloroethene	ND		25.0	22.0		ug/L		88	73 - 127	4	20
trans-1,3-Dichloropropene	ND	F1	25.0	21.8		ug/L		87	80 - 120	12	15
Trichloroethene	ND		25.0	21.1		ug/L		84	74 - 123	9	16
Trichlorofluoromethane	ND		25.0	29.7		ug/L		119	62 - 150	3	20
Vinyl chloride	ND		25.0	28.1		ug/L		112	65 - 133	7	15
Xylenes, Total	ND		50.0	42.7		ug/L		85	76 - 122	7	16

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

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 618322

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

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

Lab Sample ID: MB 480-618756/1-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 618756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 01:10	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/22 09:31	03/25/22 01:10	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/22 09:31	03/25/22 01:10	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 01:10	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/22 09:31	03/25/22 01:10	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/22 09:31	03/25/22 01:10	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/22 09:31	03/25/22 01:10	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/22 09:31	03/25/22 01:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/22 09:31	03/25/22 01:10	1
Acetophenone	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 01:10	1
Aniline	ND		10	0.61	ug/L		03/23/22 09:31	03/25/22 01:10	1
Anthracene	ND		5.0	0.28	ug/L		03/23/22 09:31	03/25/22 01:10	1
Atrazine	ND		5.0	0.46	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 01:10	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/23/22 09:31	03/25/22 01:10	1
Biphenyl	ND		5.0	0.65	ug/L		03/23/22 09:31	03/25/22 01:10	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/22 09:31	03/25/22 01:10	1

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

Lab Sample ID: MB 480-618756/1-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 618756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/22 09:31	03/25/22 01:10	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 01:10	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 01:10	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/22 09:31	03/25/22 01:10	1
Caprolactam	ND		5.0	2.2	ug/L		03/23/22 09:31	03/25/22 01:10	1
Carbazole	ND		5.0	0.30	ug/L		03/23/22 09:31	03/25/22 01:10	1
Chrysene	ND		5.0	0.33	ug/L		03/23/22 09:31	03/25/22 01:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/22 09:31	03/25/22 01:10	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/22 09:31	03/25/22 01:10	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/22 09:31	03/25/22 01:10	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 01:10	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/22 09:31	03/25/22 01:10	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 01:10	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/22 09:31	03/25/22 01:10	1
Fluorene	ND		5.0	0.36	ug/L		03/23/22 09:31	03/25/22 01:10	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 01:10	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/22 09:31	03/25/22 01:10	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 01:10	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/22 09:31	03/25/22 01:10	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/23/22 09:31	03/25/22 01:10	1
Isophorone	ND		5.0	0.43	ug/L		03/23/22 09:31	03/25/22 01:10	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/22 09:31	03/25/22 01:10	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/22 09:31	03/25/22 01:10	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/22 09:31	03/25/22 01:10	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/22 09:31	03/25/22 01:10	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/22 09:31	03/25/22 01:10	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/22 09:31	03/25/22 01:10	1
Phenol	ND		5.0	0.39	ug/L		03/23/22 09:31	03/25/22 01:10	1
Pyrene	ND		5.0	0.34	ug/L		03/23/22 09:31	03/25/22 01:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*41 - 120*	*03/23/22 09:31*	*03/25/22 01:10*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*03/23/22 09:31*	*03/25/22 01:10*	*1*
2-Fluorophenol	*69*		*35 - 120*	*03/23/22 09:31*	*03/25/22 01:10*	*1*
Nitrobenzene-d5	*93*		*46 - 120*	*03/23/22 09:31*	*03/25/22 01:10*	*1*
Phenol-d5	*50*		*22 - 120*	*03/23/22 09:31*	*03/25/22 01:10*	*1*
p-Terphenyl-d14	*102*		*60 - 148*	*03/23/22 09:31*	*03/25/22 01:10*	*1*

Lab Sample ID: LCS 480-618756/2-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	32.3		ug/L		101	65 - 126
2,4,6-Trichlorophenol	32.0	31.4		ug/L		98	64 - 120
2,4-Dichlorophenol	32.0	30.9		ug/L		97	63 - 120
2,4-Dimethylphenol	32.0	31.0		ug/L		97	47 - 120
2,4-Dinitrophenol	64.0	74.3		ug/L		116	31 - 137

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

Lab Sample ID: LCS 480-618756/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 619048
Prep Batch: 618756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	32.0	34.3		ug/L		107	69 - 120
2,6-Dinitrotoluene	32.0	33.9		ug/L		106	68 - 120
2-Chloronaphthalene	32.0	30.5		ug/L		95	58 - 120
2-Chlorophenol	32.0	28.0		ug/L		87	48 - 120
2-Methylnaphthalene	32.0	29.0		ug/L		91	59 - 120
2-Methylphenol	32.0	27.5		ug/L		86	39 - 120
2-Nitroaniline	32.0	33.6		ug/L		105	54 - 127
2-Nitrophenol	32.0	30.8		ug/L		96	52 - 125
3,3'-Dichlorobenzidine	64.0	66.3		ug/L		104	49 - 135
3-Nitroaniline	32.0	28.6		ug/L		89	51 - 120
4,6-Dinitro-2-methylphenol	64.0	73.5		ug/L		115	46 - 136
4-Bromophenyl phenyl ether	32.0	32.2		ug/L		101	65 - 120
4-Chloro-3-methylphenol	32.0	32.9		ug/L		103	61 - 123
4-Chloroaniline	32.0	24.0		ug/L		75	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.3		ug/L		101	62 - 120
4-Methylphenol	32.0	26.7		ug/L		83	29 - 131
4-Nitroaniline	32.0	35.9		ug/L		112	65 - 120
4-Nitrophenol	64.0	46.1		ug/L		72	45 - 120
Acenaphthene	32.0	32.6		ug/L		102	60 - 120
Acenaphthylene	32.0	30.3		ug/L		95	63 - 120
Acetophenone	32.0	30.9		ug/L		97	45 - 120
Aniline	32.0	23.2		ug/L		73	12 - 120
Anthracene	32.0	34.1		ug/L		107	67 - 120
Atrazine	64.0	69.1		ug/L		108	71 - 130
Benzaldehyde	64.0	56.5		ug/L		88	10 - 140
Benzo(a)anthracene	32.0	30.7		ug/L		96	70 - 121
Benzo(a)pyrene	32.0	26.9		ug/L		84	60 - 123
Benzo(b)fluoranthene	32.0	30.9		ug/L		97	66 - 126
Benzo(g,h,i)perylene	32.0	29.8		ug/L		93	66 - 150
Benzo(k)fluoranthene	32.0	31.0		ug/L		97	65 - 124
Biphenyl	32.0	30.7		ug/L		96	59 - 120
bis (2-chloroisopropyl) ether	32.0	31.2		ug/L		98	21 - 136
Bis(2-chloroethoxy)methane	32.0	31.1		ug/L		97	50 - 128
Bis(2-chloroethyl)ether	32.0	28.2		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.9		ug/L		90	63 - 139
Butyl benzyl phthalate	32.0	33.5		ug/L		105	70 - 129
Caprolactam	64.0	23.2		ug/L		36	22 - 120
Carbazole	32.0	43.9	*+	ug/L		137	66 - 123
Chrysene	32.0	31.0		ug/L		97	69 - 120
Dibenz(a,h)anthracene	32.0	30.3		ug/L		95	65 - 135
Dibenzofuran	32.0	32.3		ug/L		101	66 - 120
Diethyl phthalate	32.0	35.1		ug/L		110	59 - 127
Dimethyl phthalate	32.0	34.4		ug/L		108	68 - 120
Di-n-butyl phthalate	32.0	35.3		ug/L		110	69 - 131
Di-n-octyl phthalate	32.0	29.3		ug/L		91	63 - 140
Fluoranthene	32.0	33.7		ug/L		105	69 - 126
Fluorene	32.0	33.7		ug/L		105	66 - 120
Hexachlorobenzene	32.0	30.3		ug/L		95	61 - 120
Hexachlorobutadiene	32.0	25.6		ug/L		80	35 - 120

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

Lab Sample ID: LCS 480-618756/2-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	32.0	22.0		ug/L		69	31 - 120
Hexachloroethane	32.0	25.3		ug/L		79	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	30.0		ug/L		94	69 - 146
Isophorone	32.0	32.6		ug/L		102	55 - 120
Naphthalene	32.0	30.1		ug/L		94	57 - 120
Nitrobenzene	32.0	30.6		ug/L		96	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.5		ug/L		102	32 - 140
N-Nitrosodiphenylamine	32.0	32.2		ug/L		101	61 - 120
Pentachlorophenol	64.0	64.9		ug/L		101	29 - 136
Phenanthrene	32.0	33.4		ug/L		104	68 - 120
Phenol	32.0	16.4		ug/L		51	17 - 120
Pyrene	32.0	32.8		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*41 - 120*
2-Fluorobiphenyl	*98*		*48 - 120*
2-Fluorophenol	*66*		*35 - 120*
Nitrobenzene-d5	*93*		*46 - 120*
Phenol-d5	*49*		*22 - 120*
p-Terphenyl-d14	*96*		*60 - 148*

Lab Sample ID: LCSD 480-618756/3-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	32.0	34.8		ug/L		109	65 - 126	7	18
2,4,6-Trichlorophenol	32.0	33.0		ug/L		103	64 - 120	5	19
2,4-Dichlorophenol	32.0	32.2		ug/L		101	63 - 120	4	19
2,4-Dimethylphenol	32.0	32.2		ug/L		101	47 - 120	4	42
2,4-Dinitrophenol	64.0	80.4		ug/L		126	31 - 137	8	22
2,4-Dinitrotoluene	32.0	35.4		ug/L		111	69 - 120	3	20
2,6-Dinitrotoluene	32.0	34.8		ug/L		109	68 - 120	3	15
2-Chloronaphthalene	32.0	32.0		ug/L		100	58 - 120	5	21
2-Chlorophenol	32.0	28.4		ug/L		89	48 - 120	1	25
2-Methylnaphthalene	32.0	30.3		ug/L		95	59 - 120	4	21
2-Methylphenol	32.0	26.4		ug/L		83	39 - 120	4	27
2-Nitroaniline	32.0	35.2		ug/L		110	54 - 127	5	15
2-Nitrophenol	32.0	32.1		ug/L		100	52 - 125	4	18
3,3'-Dichlorobenzidine	64.0	68.4		ug/L		107	49 - 135	3	25
3-Nitroaniline	32.0	27.8		ug/L		87	51 - 120	3	19
4,6-Dinitro-2-methylphenol	64.0	76.8		ug/L		120	46 - 136	4	15
4-Bromophenyl phenyl ether	32.0	32.6		ug/L		102	65 - 120	1	15
4-Chloro-3-methylphenol	32.0	33.1		ug/L		103	61 - 123	1	27
4-Chloroaniline	32.0	23.5		ug/L		73	30 - 120	2	22
4-Chlorophenyl phenyl ether	32.0	31.8		ug/L		99	62 - 120	2	16
4-Methylphenol	32.0	28.0		ug/L		88	29 - 131	5	24
4-Nitroaniline	32.0	37.3		ug/L		116	65 - 120	4	24

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

Lab Sample ID: LCSD 480-618756/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 619048
Prep Batch: 618756

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitrophenol	64.0	47.3		ug/L		74	45 - 120	2	48
Acenaphthene	32.0	34.0		ug/L		106	60 - 120	4	24
Acenaphthylene	32.0	32.0		ug/L		100	63 - 120	5	18
Acetophenone	32.0	32.3		ug/L		101	45 - 120	4	20
Aniline	32.0	21.6		ug/L		68	12 - 120	7	30
Anthracene	32.0	34.6		ug/L		108	67 - 120	1	15
Atrazine	64.0	72.5		ug/L		113	71 - 130	5	20
Benzaldehyde	64.0	59.7		ug/L		93	10 - 140	6	20
Benzo(a)anthracene	32.0	31.3		ug/L		98	70 - 121	2	15
Benzo(a)pyrene	32.0	26.4		ug/L		83	60 - 123	2	15
Benzo(b)fluoranthene	32.0	30.0		ug/L		94	66 - 126	3	15
Benzo(g,h,i)perylene	32.0	29.4		ug/L		92	66 - 150	1	15
Benzo(k)fluoranthene	32.0	31.0		ug/L		97	65 - 124	0	22
Biphenyl	32.0	32.7		ug/L		102	59 - 120	6	20
bis (2-chloroisopropyl) ether	32.0	31.5		ug/L		98	21 - 136	1	24
Bis(2-chloroethoxy)methane	32.0	32.9		ug/L		103	50 - 128	5	17
Bis(2-chloroethyl)ether	32.0	30.9		ug/L		97	44 - 120	9	21
Bis(2-ethylhexyl) phthalate	32.0	29.4		ug/L		92	63 - 139	2	15
Butyl benzyl phthalate	32.0	34.9		ug/L		109	70 - 129	4	16
Caprolactam	64.0	24.1		ug/L		38	22 - 120	4	20
Carbazole	32.0	45.8	*+	ug/L		143	66 - 123	4	20
Chrysene	32.0	31.5		ug/L		98	69 - 120	2	15
Dibenz(a,h)anthracene	32.0	30.6		ug/L		96	65 - 135	1	15
Dibenzofuran	32.0	33.5		ug/L		105	66 - 120	4	15
Diethyl phthalate	32.0	35.6		ug/L		111	59 - 127	1	15
Dimethyl phthalate	32.0	36.4		ug/L		114	68 - 120	6	15
Di-n-butyl phthalate	32.0	36.2		ug/L		113	69 - 131	2	15
Di-n-octyl phthalate	32.0	30.1		ug/L		94	63 - 140	3	16
Fluoranthene	32.0	34.2		ug/L		107	69 - 126	2	15
Fluorene	32.0	34.0		ug/L		106	66 - 120	1	15
Hexachlorobenzene	32.0	31.1		ug/L		97	61 - 120	3	15
Hexachlorobutadiene	32.0	25.6		ug/L		80	35 - 120	0	44
Hexachlorocyclopentadiene	32.0	23.1		ug/L		72	31 - 120	5	49
Hexachloroethane	32.0	26.4		ug/L		82	43 - 120	4	46
Indeno(1,2,3-cd)pyrene	32.0	30.0		ug/L		94	69 - 146	0	15
Isophorone	32.0	33.5		ug/L		105	55 - 120	3	17
Naphthalene	32.0	31.4		ug/L		98	57 - 120	4	29
Nitrobenzene	32.0	32.5		ug/L		102	53 - 123	6	24
N-Nitrosodi-n-propylamine	32.0	33.5		ug/L		105	32 - 140	3	31
N-Nitrosodiphenylamine	32.0	33.1		ug/L		103	61 - 120	3	15
Pentachlorophenol	64.0	66.5		ug/L		104	29 - 136	2	37
Phenanthrene	32.0	34.8		ug/L		109	68 - 120	4	15
Phenol	32.0	17.6		ug/L		55	17 - 120	7	34
Pyrene	32.0	33.7		ug/L		105	70 - 125	3	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*105*		*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*

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

Lab Sample ID: LCSD 480-618756/3-A
Matrix: Water
Analysis Batch: 619048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 618756

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol	*69*		*35 - 120*
Nitrobenzene-d5	*101*		*46 - 120*
Phenol-d5	*51*		*22 - 120*
p-Terphenyl-d14	*96*		*60 - 148*

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 619048

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		32.0	30.6		ug/L		96	65 - 126
2,4,6-Trichlorophenol	ND		32.0	29.5		ug/L		92	64 - 120
2,4-Dichlorophenol	ND		32.0	28.1		ug/L		88	48 - 132
2,4-Dimethylphenol	ND		32.0	28.8		ug/L		90	39 - 130
2,4-Dinitrophenol	ND		64.0	72.0		ug/L		113	21 - 150
2,4-Dinitrotoluene	ND		32.0	32.5		ug/L		102	54 - 138
2,6-Dinitrotoluene	ND		32.0	32.0		ug/L		100	17 - 150
2-Chloronaphthalene	ND		32.0	28.4		ug/L		89	52 - 124
2-Chlorophenol	ND		32.0	24.4		ug/L		76	48 - 120
2-Methylnaphthalene	ND		32.0	26.2		ug/L		82	34 - 140
2-Methylphenol	ND		32.0	24.4		ug/L		76	46 - 120
2-Nitroaniline	ND		32.0	31.1		ug/L		97	44 - 136
2-Nitrophenol	ND		32.0	28.3		ug/L		88	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	57.6		ug/L		90	10 - 150
3-Nitroaniline	ND		32.0	26.5		ug/L		83	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	69.9		ug/L		109	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	30.2		ug/L		94	63 - 126
4-Chloro-3-methylphenol	ND		32.0	30.7		ug/L		96	64 - 127
4-Chloroaniline	ND		32.0	20.5		ug/L		64	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	28.5		ug/L		89	61 - 120
4-Methylphenol	ND		32.0	24.3		ug/L		76	36 - 120
4-Nitroaniline	ND		32.0	34.8		ug/L		109	32 - 150
4-Nitrophenol	ND		64.0	44.9		ug/L		70	23 - 132
Acenaphthene	ND		32.0	30.4		ug/L		95	48 - 120
Acenaphthylene	ND		32.0	28.8		ug/L		90	63 - 120
Acetophenone	ND		32.0	28.7		ug/L		90	53 - 120
Aniline	ND		32.0	20.1		ug/L		63	32 - 120
Anthracene	ND		32.0	31.8		ug/L		99	65 - 122
Atrazine	ND		64.0	63.6		ug/L		99	50 - 150
Benzaldehyde	ND		64.0	47.8		ug/L		75	10 - 150
Benzo(a)anthracene	ND		32.0	23.9		ug/L		75	43 - 124
Benzo(a)pyrene	ND		32.0	19.8		ug/L		62	23 - 125
Benzo(b)fluoranthene	ND		32.0	23.1		ug/L		72	27 - 127
Benzo(g,h,i)perylene	ND		32.0	21.2		ug/L		66	16 - 147
Benzo(k)fluoranthene	ND		32.0	21.9		ug/L		69	20 - 124
Biphenyl	ND		32.0	28.5		ug/L		89	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	26.8		ug/L		84	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	29.0		ug/L		91	44 - 128

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

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 619048

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	ND		32.0	27.4		ug/L		86	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	21.9		ug/L		68	16 - 150
Butyl benzyl phthalate	ND		32.0	29.7		ug/L		93	51 - 140
Caprolactam	ND		64.0	21.7		ug/L		34	10 - 120
Carbazole	ND	*+ F1	32.0	50.1	F1	ug/L		157	16 - 148
Chrysene	ND		32.0	23.7		ug/L		74	44 - 122
Dibenz(a,h)anthracene	ND		32.0	21.4		ug/L		67	16 - 139
Dibenzofuran	ND		32.0	30.5		ug/L		95	60 - 120
Diethyl phthalate	ND		32.0	32.4		ug/L		101	53 - 133
Dimethyl phthalate	ND		32.0	33.2		ug/L		104	59 - 123
Di-n-butyl phthalate	ND		32.0	32.0		ug/L		100	65 - 129
Di-n-octyl phthalate	ND		32.0	21.9		ug/L		69	16 - 150
Fluoranthene	ND		32.0	31.3		ug/L		98	63 - 129
Fluorene	ND		32.0	31.3		ug/L		98	62 - 120
Hexachlorobenzene	ND		32.0	27.5		ug/L		86	57 - 121
Hexachlorobutadiene	ND		32.0	22.2		ug/L		69	37 - 120
Hexachlorocyclopentadiene	ND		32.0	19.4		ug/L		61	21 - 120
Hexachloroethane	ND		32.0	21.1		ug/L		66	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	21.5		ug/L		67	16 - 140
Isophorone	ND		32.0	31.3		ug/L		98	48 - 133
Naphthalene	ND		32.0	27.0		ug/L		84	45 - 120
Nitrobenzene	ND		32.0	28.2		ug/L		88	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	28.7		ug/L		90	49 - 120
N-Nitrosodiphenylamine	ND		32.0	30.4		ug/L		95	39 - 138
Pentachlorophenol	ND		64.0	66.7		ug/L		104	23 - 149
Phenanthrene	ND		32.0	31.9		ug/L		100	65 - 122
Phenol	ND		32.0	15.4		ug/L		48	16 - 120
Pyrene	ND		32.0	30.8		ug/L		96	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*101*		*41 - 120*
2-Fluorobiphenyl	*91*		*48 - 120*
2-Fluorophenol	*59*		*35 - 120*
Nitrobenzene-d5	*88*		*46 - 120*
Phenol-d5	*44*		*22 - 120*
p-Terphenyl-d14	*72*		*60 - 148*

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 619048

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		32.0	33.1		ug/L		104	65 - 126	8	18
2,4,6-Trichlorophenol	ND		32.0	31.4		ug/L		98	64 - 120	6	19
2,4-Dichlorophenol	ND		32.0	29.7		ug/L		93	48 - 132	5	19
2,4-Dimethylphenol	ND		32.0	29.3		ug/L		92	39 - 130	2	42
2,4-Dinitrophenol	ND		64.0	73.9		ug/L		116	21 - 150	3	22
2,4-Dinitrotoluene	ND		32.0	34.1		ug/L		107	54 - 138	5	20

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

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 619048

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene	ND		32.0	33.7		ug/L		105	17 - 150	5	15
2-Chloronaphthalene	ND		32.0	28.9		ug/L		90	52 - 124	2	21
2-Chlorophenol	ND		32.0	24.7		ug/L		77	48 - 120	1	25
2-Methylnaphthalene	ND		32.0	26.6		ug/L		83	34 - 140	2	21
2-Methylphenol	ND		32.0	24.3		ug/L		76	46 - 120	0	27
2-Nitroaniline	ND		32.0	31.6		ug/L		99	44 - 136	2	15
2-Nitrophenol	ND		32.0	29.6		ug/L		92	38 - 141	4	18
3,3'-Dichlorobenzidine	ND		64.0	62.2		ug/L		97	10 - 150	8	25
3-Nitroaniline	ND		32.0	27.7		ug/L		86	32 - 150	4	19
4,6-Dinitro-2-methylphenol	ND		64.0	68.3		ug/L		107	38 - 150	2	15
4-Bromophenyl phenyl ether	ND		32.0	30.3		ug/L		95	63 - 126	0	15
4-Chloro-3-methylphenol	ND		32.0	31.4		ug/L		98	64 - 127	2	27
4-Chloroaniline	ND		32.0	22.9		ug/L		71	16 - 124	11	22
4-Chlorophenyl phenyl ether	ND		32.0	30.2		ug/L		94	61 - 120	6	16
4-Methylphenol	ND		32.0	24.1		ug/L		75	36 - 120	1	24
4-Nitroaniline	ND		32.0	35.1		ug/L		110	32 - 150	1	24
4-Nitrophenol	ND		64.0	44.7		ug/L		70	23 - 132	0	48
Acenaphthene	ND		32.0	31.4		ug/L		98	48 - 120	3	24
Acenaphthylene	ND		32.0	29.5		ug/L		92	63 - 120	2	18
Acetophenone	ND		32.0	28.4		ug/L		89	53 - 120	1	20
Aniline	ND		32.0	20.8		ug/L		65	32 - 120	3	30
Anthracene	ND		32.0	31.3		ug/L		98	65 - 122	2	15
Atrazine	ND		64.0	68.5		ug/L		107	50 - 150	7	20
Benzaldehyde	ND		64.0	50.0		ug/L		78	10 - 150	5	20
Benzo(a)anthracene	ND		32.0	24.8		ug/L		78	43 - 124	4	15
Benzo(a)pyrene	ND		32.0	18.9		ug/L		59	23 - 125	5	15
Benzo(b)fluoranthene	ND		32.0	22.4		ug/L		70	27 - 127	3	15
Benzo(g,h,i)perylene	ND		32.0	20.4		ug/L		64	16 - 147	4	15
Benzo(k)fluoranthene	ND		32.0	21.5		ug/L		67	20 - 124	2	22
Biphenyl	ND		32.0	29.6		ug/L		92	57 - 120	4	20
bis (2-chloroisopropyl) ether	ND		32.0	27.3		ug/L		85	28 - 121	2	24
Bis(2-chloroethoxy)methane	ND		32.0	30.6		ug/L		96	44 - 128	5	17
Bis(2-chloroethyl)ether	ND		32.0	27.1		ug/L		85	45 - 120	1	21
Bis(2-ethylhexyl) phthalate	ND		32.0	22.5		ug/L		70	16 - 150	3	15
Butyl benzyl phthalate	ND		32.0	30.7		ug/L		96	51 - 140	4	16
Caprolactam	ND		64.0	22.5		ug/L		35	10 - 120	4	20
Carbazole	ND	*+ F1	32.0	49.2	F1	ug/L		154	16 - 148	2	20
Chrysene	ND		32.0	24.6		ug/L		77	44 - 122	4	15
Dibenz(a,h)anthracene	ND		32.0	20.9		ug/L		65	16 - 139	2	15
Dibenzofuran	ND		32.0	31.8		ug/L		99	60 - 120	4	15
Diethyl phthalate	ND		32.0	33.7		ug/L		105	53 - 133	4	15
Dimethyl phthalate	ND		32.0	34.3		ug/L		107	59 - 123	3	15
Di-n-butyl phthalate	ND		32.0	31.3		ug/L		98	65 - 129	2	15
Di-n-octyl phthalate	ND		32.0	22.4		ug/L		70	16 - 150	2	16
Fluoranthene	ND		32.0	30.9		ug/L		97	63 - 129	1	15
Fluorene	ND		32.0	32.9		ug/L		103	62 - 120	5	15
Hexachlorobenzene	ND		32.0	27.8		ug/L		87	57 - 121	1	15
Hexachlorobutadiene	ND		32.0	23.2		ug/L		72	37 - 120	4	44
Hexachlorocyclopentadiene	ND		32.0	19.1		ug/L		60	21 - 120	2	49

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

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 619048

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	ND		32.0	21.8		ug/L		68	16 - 130	3	46
Indeno(1,2,3-cd)pyrene	ND		32.0	21.0		ug/L		66	16 - 140	2	15
Isophorone	ND		32.0	31.0		ug/L		97	48 - 133	1	17
Naphthalene	ND		32.0	28.0		ug/L		87	45 - 120	3	29
Nitrobenzene	ND		32.0	29.2		ug/L		91	45 - 123	3	24
N-Nitrosodi-n-propylamine	ND		32.0	29.8		ug/L		93	49 - 120	4	31
N-Nitrosodiphenylamine	ND		32.0	30.3		ug/L		95	39 - 138	0	15
Pentachlorophenol	ND		64.0	65.6		ug/L		103	23 - 149	2	37
Phenanthrene	ND		32.0	31.4		ug/L		98	65 - 122	2	15
Phenol	ND		32.0	15.3		ug/L		48	16 - 120	0	34
Pyrene	ND		32.0	32.0		ug/L		100	58 - 128	4	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*41 - 120*
2-Fluorobiphenyl	*94*		*48 - 120*
2-Fluorophenol	*59*		*35 - 120*
Nitrobenzene-d5	*90*		*46 - 120*
Phenol-d5	*45*		*22 - 120*
p-Terphenyl-d14	*72*		*60 - 148*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-618379/1-A
Matrix: Water
Analysis Batch: 618931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 618379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/21/22 09:47	03/23/22 17:14	1
Antimony	ND		0.020	0.0068	mg/L		03/21/22 09:47	03/23/22 17:14	1
Arsenic	ND		0.015	0.0056	mg/L		03/21/22 09:47	03/23/22 17:14	1
Beryllium	ND		0.0020	0.00030	mg/L		03/21/22 09:47	03/23/22 17:14	1
Cadmium	ND		0.0020	0.00050	mg/L		03/21/22 09:47	03/23/22 17:14	1
Calcium	ND		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 17:14	1
Chromium	0.00139	J	0.0040	0.0010	mg/L		03/21/22 09:47	03/23/22 17:14	1
Cobalt	ND		0.0040	0.00063	mg/L		03/21/22 09:47	03/23/22 17:14	1
Copper	ND		0.010	0.0016	mg/L		03/21/22 09:47	03/23/22 17:14	1
Iron	ND		0.050	0.019	mg/L		03/21/22 09:47	03/23/22 17:14	1
Lead	ND		0.010	0.0030	mg/L		03/21/22 09:47	03/23/22 17:14	1
Magnesium	ND		0.20	0.043	mg/L		03/21/22 09:47	03/23/22 17:14	1
Manganese	0.000770	J	0.0030	0.00040	mg/L		03/21/22 09:47	03/23/22 17:14	1
Nickel	ND		0.010	0.0013	mg/L		03/21/22 09:47	03/23/22 17:14	1
Potassium	ND		0.50	0.10	mg/L		03/21/22 09:47	03/23/22 17:14	1
Selenium	ND		0.025	0.0087	mg/L		03/21/22 09:47	03/23/22 17:14	1
Silver	ND		0.0060	0.0017	mg/L		03/21/22 09:47	03/23/22 17:14	1
Sodium	ND		1.0	0.32	mg/L		03/21/22 09:47	03/23/22 17:14	1
Thallium	ND		0.020	0.010	mg/L		03/21/22 09:47	03/23/22 17:14	1
Vanadium	ND		0.0050	0.0015	mg/L		03/21/22 09:47	03/23/22 17:14	1
Zinc	0.00162	J	0.010	0.0015	mg/L		03/21/22 09:47	03/23/22 17:14	1

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

Lab Sample ID: MB 480-618379/1-A
Matrix: Water
Analysis Batch: 619114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 618379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0020	0.00070	mg/L		03/21/22 09:47	03/25/22 00:48	1

Lab Sample ID: LCS 480-618379/2-A
Matrix: Water
Analysis Batch: 618931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.80		mg/L		98	80 - 120
Antimony	0.200	0.194		mg/L		97	80 - 120
Arsenic	0.200	0.193		mg/L		96	80 - 120
Beryllium	0.200	0.194		mg/L		97	80 - 120
Cadmium	0.200	0.194		mg/L		97	80 - 120
Calcium	10.0	9.74		mg/L		97	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Cobalt	0.200	0.185		mg/L		93	80 - 120
Copper	0.200	0.197		mg/L		99	80 - 120
Iron	10.0	9.84		mg/L		98	80 - 120
Lead	0.200	0.185		mg/L		93	80 - 120
Magnesium	10.0	9.55		mg/L		96	80 - 120
Manganese	0.200	0.195		mg/L		98	80 - 120
Nickel	0.200	0.185		mg/L		93	80 - 120
Potassium	10.0	9.41		mg/L		94	80 - 120
Selenium	0.200	0.187		mg/L		93	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Sodium	10.0	9.47		mg/L		94	80 - 120
Thallium	0.200	0.193		mg/L		96	80 - 120
Vanadium	0.200	0.190		mg/L		95	80 - 120
Zinc	0.200	0.197		mg/L		99	80 - 120

Lab Sample ID: LCS 480-618379/2-A
Matrix: Water
Analysis Batch: 619114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.200	0.202		mg/L		101	80 - 120

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 618931

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.064	J	10.0	9.68		mg/L		96	75 - 125
Antimony	ND		0.200	0.192		mg/L		96	75 - 125
Arsenic	ND		0.200	0.193		mg/L		96	75 - 125
Beryllium	ND		0.200	0.191		mg/L		95	75 - 125
Cadmium	ND		0.200	0.195		mg/L		97	75 - 125
Calcium	89.3		10.0	96.63	4	mg/L		73	75 - 125
Chromium	0.0061	B	0.200	0.195		mg/L		95	75 - 125
Cobalt	ND		0.200	0.185		mg/L		93	75 - 125

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

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 618931

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.0025	J	0.200	0.198		mg/L		98	75 - 125
Iron	0.095		10.0	9.70		mg/L		96	75 - 125
Lead	ND		0.200	0.185		mg/L		93	75 - 125
Magnesium	11.4		10.0	20.41		mg/L		90	75 - 125
Manganese	0.0036	B	0.200	0.195		mg/L		96	75 - 125
Nickel	0.0087	J	0.200	0.192		mg/L		92	75 - 125
Potassium	0.91		10.0	10.42		mg/L		95	75 - 125
Selenium	ND		0.200	0.185		mg/L		93	75 - 125
Silver	ND		0.0500	0.0487		mg/L		97	75 - 125
Sodium	39.1	F1	10.0	45.73	F1	mg/L		67	75 - 125
Thallium	ND		0.200	0.192		mg/L		96	75 - 125
Vanadium	0.0015	J	0.200	0.190		mg/L		94	75 - 125
Zinc	0.0034	J B	0.200	0.195		mg/L		96	75 - 125

Lab Sample ID: 480-195893-4 MS
Matrix: Ground Water
Analysis Batch: 619264

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.038		0.200	0.238		mg/L		100	75 - 125

Lab Sample ID: 480-195893-4 MSD
Matrix: Ground Water
Analysis Batch: 618931

Client Sample ID: BCC Area E RFI-33_0322
Prep Type: Total/NA
Prep Batch: 618379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.064	J	10.0	9.76		mg/L		97	75 - 125	1	20
Antimony	ND		0.200	0.196		mg/L		98	75 - 125	2	20
Arsenic	ND		0.200	0.192		mg/L		96	75 - 125	0	20
Beryllium	ND		0.200	0.191		mg/L		95	75 - 125	0	20
Cadmium	ND		0.200	0.196		mg/L		98	75 - 125	1	20
Calcium	89.3		10.0	97.64	4	mg/L		83	75 - 125	1	20
Chromium	0.0061	B	0.200	0.201		mg/L		97	75 - 125	3	20
Cobalt	ND		0.200	0.187		mg/L		93	75 - 125	1	20
Copper	0.0025	J	0.200	0.199		mg/L		98	75 - 125	1	20
Iron	0.095		10.0	9.78		mg/L		97	75 - 125	1	20
Lead	ND		0.200	0.184		mg/L		92	75 - 125	1	20
Magnesium	11.4		10.0	20.55		mg/L		91	75 - 125	1	20
Manganese	0.0036	B	0.200	0.196		mg/L		96	75 - 125	1	20
Nickel	0.0087	J	0.200	0.192		mg/L		91	75 - 125	0	20
Potassium	0.91		10.0	10.44		mg/L		95	75 - 125	0	20
Selenium	ND		0.200	0.184		mg/L		92	75 - 125	1	20
Silver	ND		0.0500	0.0493		mg/L		99	75 - 125	1	20
Sodium	39.1	F1	10.0	44.64	F1	mg/L		56	75 - 125	2	20
Thallium	ND		0.200	0.191		mg/L		96	75 - 125	1	20
Vanadium	0.0015	J	0.200	0.190		mg/L		94	75 - 125	0	20
Zinc	0.0034	J B	0.200	0.200		mg/L		98	75 - 125	2	20

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

Lab Sample ID: 480-195893-4 MSD
Client Sample ID: BCC Area E RFI-33_0322
Matrix: Ground Water
Prep Type: Total/NA
Analysis Batch: 619264
Prep Batch: 618379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.038		0.200	0.242		mg/L		102	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-618481/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 618546
Prep Batch: 618481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/21/22 11:32	03/21/22 14:11	1

Lab Sample ID: LCS 480-618481/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 618546
Prep Batch: 618481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00667	0.00708		mg/L		106	80 - 120

Lab Sample ID: 480-195893-4 MS
Client Sample ID: BCC Area E RFI-33_0322
Matrix: Ground Water
Prep Type: Total/NA
Analysis Batch: 618546
Prep Batch: 618481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00667	0.00718		mg/L		108	80 - 120

Lab Sample ID: 480-195893-4 MSD
Client Sample ID: BCC Area E RFI-33_0322
Matrix: Ground Water
Prep Type: Total/NA
Analysis Batch: 618546
Prep Batch: 618481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00708		mg/L		106	80 - 120	1	20

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

GC/MS VOA

Analysis Batch: 618322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	8260C	
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	8260C	
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	8260C	
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	8260C	
480-195893-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-618322/8	Method Blank	Total/NA	Water	8260C	
LCS 480-618322/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-618322/6	Lab Control Sample Dup	Total/NA	Water	8260C	
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	8260C	
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 618756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	3510C	
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	3510C	
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	3510C	
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	3510C	
MB 480-618756/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-618756/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-618756/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	3510C	
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	3510C	

Analysis Batch: 619048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	8270D	618756
MB 480-618756/1-A	Method Blank	Total/NA	Water	8270D	618756
LCS 480-618756/2-A	Lab Control Sample	Total/NA	Water	8270D	618756
LCSD 480-618756/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	618756
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	8270D	618756
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	8270D	618756

Analysis Batch: 619181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	8270D	618756
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	8270D	618756

Analysis Batch: 620073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	8270D	618756

Metals

Prep Batch: 618379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	3005A	
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	3005A	
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	3005A	
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	3005A	
MB 480-618379/1-A	Method Blank	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 618379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-618379/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	3005A	
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	3005A	

Prep Batch: 618481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	7470A	
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	7470A	
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	7470A	
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	
MB 480-618481/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-618481/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	

Analysis Batch: 618546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	7470A	618481
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	7470A	618481
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	7470A	618481
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	618481
MB 480-618481/1-A	Method Blank	Total/NA	Water	7470A	618481
LCS 480-618481/2-A	Lab Control Sample	Total/NA	Water	7470A	618481
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	618481
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	7470A	618481

Analysis Batch: 618931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	6010C	618379
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	6010C	618379
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	6010C	618379
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379
MB 480-618379/1-A	Method Blank	Total/NA	Water	6010C	618379
LCS 480-618379/2-A	Lab Control Sample	Total/NA	Water	6010C	618379
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379

Analysis Batch: 619114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-1	BCC Area E RFI-33D_0322	Total/NA	Ground Water	6010C	618379
480-195893-2	BCC Area E MW-E05_0322	Total/NA	Ground Water	6010C	618379
480-195893-3	BCC Area E RFI-29_0322	Total/NA	Ground Water	6010C	618379
MB 480-618379/1-A	Method Blank	Total/NA	Water	6010C	618379
LCS 480-618379/2-A	Lab Control Sample	Total/NA	Water	6010C	618379

Analysis Batch: 619264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195893-4	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379
480-195893-4 MS	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379
480-195893-4 MSD	BCC Area E RFI-33_0322	Total/NA	Ground Water	6010C	618379

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33D_0322
Lab Sample ID: 480-195893-1
Date Collected: 03/16/22 12:45
Matrix: Ground Water
Date Received: 03/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	618322	03/18/22 15:27	OMI	TAL BUF
Total/NA	Prep	3510C			618756	03/23/22 09:31	JMP	TAL BUF
Total/NA	Analysis	8270D		1	620073	04/01/22 16:39	RJS	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	618931	03/23/22 18:45	LMH	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	619114	03/25/22 00:56	LMH	TAL BUF
Total/NA	Prep	7470A			618481	03/21/22 11:32	NVK	TAL BUF
Total/NA	Analysis	7470A		1	618546	03/21/22 14:14	BMB	TAL BUF

Client Sample ID: BCC Area E MW-E05_0322
Lab Sample ID: 480-195893-2
Date Collected: 03/16/22 10:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	618322	03/18/22 15:49	OMI	TAL BUF
Total/NA	Prep	3510C			618756	03/23/22 09:31	JMP	TAL BUF
Total/NA	Analysis	8270D		1	619181	03/25/22 19:35	PJQ	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	618931	03/23/22 18:49	LMH	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	619114	03/25/22 00:59	LMH	TAL BUF
Total/NA	Prep	7470A			618481	03/21/22 11:32	NVK	TAL BUF
Total/NA	Analysis	7470A		1	618546	03/21/22 14:15	BMB	TAL BUF

Client Sample ID: BCC Area E RFI-29_0322
Lab Sample ID: 480-195893-3
Date Collected: 03/16/22 11:30
Matrix: Ground Water
Date Received: 03/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	618322	03/18/22 16:12	OMI	TAL BUF
Total/NA	Prep	3510C			618756	03/23/22 09:31	JMP	TAL BUF
Total/NA	Analysis	8270D		1	619181	03/25/22 20:02	PJQ	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	618931	03/23/22 18:53	LMH	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	619114	03/25/22 01:03	LMH	TAL BUF
Total/NA	Prep	7470A			618481	03/21/22 11:32	NVK	TAL BUF
Total/NA	Analysis	7470A		1	618546	03/21/22 14:16	BMB	TAL BUF

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0322
Lab Sample ID: 480-195893-4
Date Collected: 03/16/22 12:35
Matrix: Ground Water
Date Received: 03/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	618322	03/18/22 16:33	OMI	TAL BUF
Total/NA	Prep	3510C			618756	03/23/22 09:31	JMP	TAL BUF
Total/NA	Analysis	8270D		1	619048	03/25/22 03:28	PJQ	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	618931	03/23/22 18:57	LMH	TAL BUF
Total/NA	Prep	3005A			618379	03/21/22 09:47	NVK	TAL BUF
Total/NA	Analysis	6010C		1	619264	03/25/22 17:42	LMH	TAL BUF
Total/NA	Prep	7470A			618481	03/21/22 11:32	NVK	TAL BUF
Total/NA	Analysis	7470A		1	618546	03/21/22 14:18	BMB	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-195893-5
Date Collected: 03/16/22 00:00
Matrix: Water
Date Received: 03/18/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	618322	03/18/22 16:55	OMI	TAL BUF

Laboratory References:
TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc. Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195893-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195893-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195893-1	BCC Area E RFI-33D_0322	Ground Water	03/16/22 12:45	03/18/22 08:00
480-195893-2	BCC Area E MW-E05_0322	Ground Water	03/16/22 10:30	03/18/22 08:00
480-195893-3	BCC Area E RFI-29_0322	Ground Water	03/16/22 11:30	03/18/22 08:00
480-195893-4	BCC Area E RFI-33_0322	Ground Water	03/16/22 12:35	03/18/22 08:00
480-195893-5	TRIP BLANK	Water	03/16/22 00:00	03/18/22 08:00

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Tom Wagner	Lab PM: Schove, John R	Carrier Tracking No(s): OSC	COC No: 480-158666-6267.1
Client Contact: Kirsten Colligan	Phone: 716-912-9926	E-Mail: John.Schove@Eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Company: Ontario Specialty Contracting, Inc.	PWSID:			Job #: 16011
Address: ~~333 Ganson St~~ 140 Lee St. Ste. 200	Due Date Requested: 2 WKS.			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, ~~14203~~ 14210	Compliance Project: Δ Yes Δ No			
Phone: 716-856-3333	PO #: ~~[illegible]~~ 65208			
Email: kcolligan@oscinc.com	WO #:			
Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Are	Project #: 48003159			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 7470A	8260B - TCL 4.2 list	8270C - TCL SVOA - 4.2 list + aniline	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N		
BCC Area E MW-E05_0322	3/16-22	1030	G	Water			1	3	2		
BCC Area E RFI-29_0322		1130	G	Water			1	3	2		
~~BCC Area E RFI-30_0322~~			G	Water			1	3	2		
BCC Area E RFI-33_0322		1235	G	Water			1	3	2		
BCC Area E RFI-33 D_0322		1245	G	Water			1	3	2		
BCC Area E RFI-33 MS_0322		1255	G	Water			1	3	2		
BCC Area E RFI-33 MSD_0322		1305	G	Water			1	3	2		
TRIP BLANK				Water			1	1	1		

480-195893 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Tom Wagner	3-16-22 1530	OSC			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/17/22 1530	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: ~~[illegible]~~	Company 7570

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

Cooler Temperature(s) °C and Other Remarks: 3.1 #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-195893-1

Login Number: 195893
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-198091-1
Client Project/Site: OSC- Former Buffalo Color Sites - 37745
Sampling Event: Buffalo Color Area E Wells

For:
Ontario Specialty Contracting, Inc.
333 Ganson St.
Buffalo, New York 14203

Attn: Kirsten Colligan

Authorized for release by:
5/31/2022 4:53:31 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

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Definitions/Glossary

Client: Ontario Specialty Contracting, Inc. Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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.
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.

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.
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.
¤	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

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-198091-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198091-1

Comments
No additional comments.

Receipt
The samples were received on 5/18/2022 3:30 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 11.8° C.

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

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-627175 and analytical batch 480-627362 recovered outside control limits for the following analytes: 2,4-Dinitrotoluene, 4-Nitroaniline and Carbazole. 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 continuing calibration verification (CCV) associated with batch 480-627362 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol and Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BCC Area E MW-E05_0522 (480-198091-1), BCC Area E RFI-29_0522 (480-198091-2), BCC Area E RFI-33_0522 (480-198091-3) and BCC Area E MW-E05D_0522 (480-198091-4).

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.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0522 — Lab Sample ID: 480-198091-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	11		1.0	0.75	ug/L	1		8260C	Total/NA
Aluminum	0.079	J	0.20	0.060	mg/L	1		6010C	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	151		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0073		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.14		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.11		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.018		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	17.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.23		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.015		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	27.3		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 RFI-29_0522 — Lab Sample ID: 480-198091-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	4.5		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	0.83	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	2.1		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	12		1.0	0.75	ug/L	1		8260C	Total/NA
4-Chloroaniline	9.5		5.0	0.59	ug/L	1		8270D	Total/NA
Aniline	1.6	J	10	0.61	ug/L	1		8270D	Total/NA
Arsenic	0.0072	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.067		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	232		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	1.5		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0030	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	34.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.33		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	7.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	120		1.0	0.32	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E RFI-33_0522 — Lab Sample ID: 480-198091-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.19	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.057		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	115		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0090		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0032	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.29		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0041	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	16.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0078		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.014		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	72.1		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0019	J	0.0050	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.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0522 (Continued)
Lab Sample ID: 480-198091-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0075	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	14		1.0	0.75	ug/L	1		8260C	Total/NA
Aluminum	0.068	J	0.20	0.060	mg/L	1		6010C	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	147		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0078		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.14		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.15		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.020		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	16.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.23		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.014		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	4.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	26.7		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: TRIP BLANK
Lab Sample ID: 480-198091-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0522
Lab Sample ID: 480-198091-1
Date Collected: 05/18/22 10:40
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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			05/27/22 14:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 14:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 14:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 14:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 14:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 14:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 14:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 14:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 14:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 14:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 14:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 14:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 14:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 14:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 14:06	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 14:06	1
Acetone	ND		10	3.0	ug/L			05/27/22 14:06	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 14:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 14:06	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 14:06	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 14:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 14:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 14:06	1
Chlorobenzene	**11**		1.0	0.75	ug/L			05/27/22 14:06	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 14:06	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 14:06	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 14:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 14:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 14:06	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 14:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 14:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 14:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 14:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 14:06	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 14:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 14:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 14:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 14:06	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 14:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 14:06	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 14:06	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.37	ug/L			05/27/22 14:06	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 14:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 14:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 14:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 14:06	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0522
Lab Sample ID: 480-198091-1
Date Collected: 05/18/22 10:40
Matrix: Ground Water
Date Received: 05/18/22 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*05/27/22 14:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/27/22 14:06*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/22 14:06*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 14:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	F2	5.0	0.48	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		05/23/22 09:03	05/24/22 14:53	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Nitroaniline	ND		10	0.42	ug/L		05/23/22 09:03	05/24/22 14:53	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 14:53	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 14:53	1
3-Nitroaniline	ND		10	0.48	ug/L		05/23/22 09:03	05/24/22 14:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Methylphenol	ND		10	0.36	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		05/23/22 09:03	05/24/22 14:53	1
4-Nitrophenol	ND		10	1.5	ug/L		05/23/22 09:03	05/24/22 14:53	1
Acenaphthene	ND		5.0	0.41	ug/L		05/23/22 09:03	05/24/22 14:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/23/22 09:03	05/24/22 14:53	1
Acetophenone	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 14:53	1
Aniline	ND		10	0.61	ug/L		05/23/22 09:03	05/24/22 14:53	1
Anthracene	ND		5.0	0.28	ug/L		05/23/22 09:03	05/24/22 14:53	1
Atrazine	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 14:53	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/23/22 09:03	05/24/22 14:53	1
Biphenyl	ND		5.0	0.65	ug/L		05/23/22 09:03	05/24/22 14:53	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/23/22 09:03	05/24/22 14:53	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 14:53	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 14:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 14:53	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/23/22 09:03	05/24/22 14:53	1
Caprolactam	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 14:53	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/23/22 09:03	05/24/22 14:53	1

Client Sample ID: BCC Area E MW-E05_0522
Lab Sample ID: 480-198091-1
Date Collected: 05/18/22 10:40
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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		05/23/22 09:03	05/24/22 14:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/23/22 09:03	05/24/22 14:53	1
Dibenzofuran	ND		10	0.51	ug/L		05/23/22 09:03	05/24/22 14:53	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/23/22 09:03	05/24/22 14:53	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 14:53	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/23/22 09:03	05/24/22 14:53	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 14:53	1
Fluoranthene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 14:53	1
Fluorene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 14:53	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 14:53	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/23/22 09:03	05/24/22 14:53	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 14:53	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 14:53	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 14:53	1
Isophorone	ND		5.0	0.43	ug/L		05/23/22 09:03	05/24/22 14:53	1
Naphthalene	ND		5.0	0.76	ug/L		05/23/22 09:03	05/24/22 14:53	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/23/22 09:03	05/24/22 14:53	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 14:53	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 14:53	1
Pentachlorophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 14:53	1
Phenanthrene	ND		5.0	0.44	ug/L		05/23/22 09:03	05/24/22 14:53	1
Phenol	ND		5.0	0.39	ug/L		05/23/22 09:03	05/24/22 14:53	1
Pyrene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*41 - 120*	*05/23/22 09:03*	*05/24/22 14:53*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*05/23/22 09:03*	*05/24/22 14:53*	*1*
2-Fluorophenol	*50*		*35 - 120*	*05/23/22 09:03*	*05/24/22 14:53*	*1*
Nitrobenzene-d5	*70*		*46 - 120*	*05/23/22 09:03*	*05/24/22 14:53*	*1*
Phenol-d5	*37*		*22 - 120*	*05/23/22 09:03*	*05/24/22 14:53*	*1*
p-Terphenyl-d14	*102*		*60 - 148*	*05/23/22 09:03*	*05/24/22 14:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.079**	**J**	0.20	0.060	mg/L		05/24/22 09:38	05/27/22 12:32	1
Antimony	ND		0.020	0.0068	mg/L		05/24/22 09:38	05/27/22 12:32	1
Arsenic	ND		0.015	0.0056	mg/L		05/24/22 09:38	05/27/22 12:32	1
Barium	**0.030**		0.0020	0.00070	mg/L		05/24/22 09:38	05/27/22 12:32	1
Beryllium	ND		0.0020	0.00030	mg/L		05/24/22 09:38	05/27/22 12:32	1
Cadmium	**0.013**		0.0020	0.00050	mg/L		05/24/22 09:38	05/27/22 12:32	1
Calcium	**151**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:32	1
Chromium	ND		0.0040	0.0010	mg/L		05/24/22 09:38	05/27/22 12:32	1
Cobalt	**0.0073**		0.0040	0.00063	mg/L		05/24/22 09:38	05/27/22 12:32	1
Copper	**0.14**		0.010	0.0016	mg/L		05/24/22 09:38	05/27/22 12:32	1
Iron	**0.11**		0.050	0.019	mg/L		05/24/22 09:38	05/27/22 12:32	1
Lead	**0.018**		0.010	0.0030	mg/L		05/24/22 09:38	05/27/22 12:32	1
Magnesium	**17.1**		0.20	0.043	mg/L		05/24/22 09:38	05/27/22 12:32	1
Manganese	**0.23**		0.0030	0.00040	mg/L		05/24/22 09:38	05/27/22 12:32	1
Nickel	**0.015**		0.010	0.0013	mg/L		05/24/22 09:38	05/27/22 12:32	1
Potassium	**4.0**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:32	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05_0522
Lab Sample ID: 480-198091-1
Date Collected: 05/18/22 10:40
Matrix: Ground Water
Date Received: 05/18/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		05/24/22 09:38	05/27/22 12:32	1
Silver	ND		0.0060	0.0017	mg/L		05/24/22 09:38	05/27/22 12:32	1
Sodium	**27.3**		1.0	0.32	mg/L		05/24/22 09:38	05/27/22 12:32	1
Thallium	ND		0.020	0.010	mg/L		05/24/22 09:38	05/27/22 12:32	1
Vanadium	ND		0.0050	0.0015	mg/L		05/24/22 09:38	05/27/22 12:32	1
Zinc	**2.8**		0.010	0.0015	mg/L		05/24/22 09:38	05/27/22 12:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		05/22/22 12:00	05/22/22 14:49	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0522
Lab Sample ID: 480-198091-2
Date Collected: 05/18/22 13:10
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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			05/27/22 14:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 14:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 14:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 14:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 14:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 14:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 14:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 14:29	1
1,2-Dichlorobenzene	**4.5**		1.0	0.79	ug/L			05/27/22 14:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 14:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 14:29	1
1,3-Dichlorobenzene	**0.83**	**J**	1.0	0.78	ug/L			05/27/22 14:29	1
1,4-Dichlorobenzene	**4.5**		1.0	0.84	ug/L			05/27/22 14:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 14:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 14:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 14:29	1
Acetone	ND		10	3.0	ug/L			05/27/22 14:29	1
Benzene	**2.1**		1.0	0.41	ug/L			05/27/22 14:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 14:29	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 14:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 14:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 14:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 14:29	1
Chlorobenzene	**12**		1.0	0.75	ug/L			05/27/22 14:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 14:29	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 14:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 14:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 14:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 14:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 14:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 14:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 14:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 14:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 14:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 14:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 14:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 14:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 14:29	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 14:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 14:29	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 14:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 14:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 14:29	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 14:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 14:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 14:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 14:29	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0522

Lab Sample ID: 480-198091-2

Date Collected: 05/18/22 13:10

Matrix: Ground Water

Date Received: 05/18/22 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 14:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/27/22 14:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/22 14:29*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*05/27/22 14:29*	*1*

Method: 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		05/23/22 09:03	05/24/22 15:22	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/23/22 09:03	05/24/22 15:22	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:22	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/23/22 09:03	05/24/22 15:22	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:22	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:22	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Nitroaniline	ND		10	0.42	ug/L		05/23/22 09:03	05/24/22 15:22	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 15:22	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:22	1
3-Nitroaniline	ND		10	0.48	ug/L		05/23/22 09:03	05/24/22 15:22	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Chloroaniline	**9.5**		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Methylphenol	ND		10	0.36	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		05/23/22 09:03	05/24/22 15:22	1
4-Nitrophenol	ND		10	1.5	ug/L		05/23/22 09:03	05/24/22 15:22	1
Acenaphthene	ND		5.0	0.41	ug/L		05/23/22 09:03	05/24/22 15:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/23/22 09:03	05/24/22 15:22	1
Acetophenone	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 15:22	1
Aniline	**1.6**	**J**	10	0.61	ug/L		05/23/22 09:03	05/24/22 15:22	1
Anthracene	ND		5.0	0.28	ug/L		05/23/22 09:03	05/24/22 15:22	1
Atrazine	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:22	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/23/22 09:03	05/24/22 15:22	1
Biphenyl	ND		5.0	0.65	ug/L		05/23/22 09:03	05/24/22 15:22	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/23/22 09:03	05/24/22 15:22	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:22	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:22	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 15:22	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/23/22 09:03	05/24/22 15:22	1
Caprolactam	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 15:22	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/23/22 09:03	05/24/22 15:22	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0522
Lab Sample ID: 480-198091-2
Date Collected: 05/18/22 13:10
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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		05/23/22 09:03	05/24/22 15:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/23/22 09:03	05/24/22 15:22	1
Dibenzofuran	ND		10	0.51	ug/L		05/23/22 09:03	05/24/22 15:22	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/23/22 09:03	05/24/22 15:22	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:22	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/23/22 09:03	05/24/22 15:22	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:22	1
Fluoranthene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:22	1
Fluorene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:22	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:22	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/23/22 09:03	05/24/22 15:22	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:22	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:22	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:22	1
Isophorone	ND		5.0	0.43	ug/L		05/23/22 09:03	05/24/22 15:22	1
Naphthalene	ND		5.0	0.76	ug/L		05/23/22 09:03	05/24/22 15:22	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/23/22 09:03	05/24/22 15:22	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 15:22	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:22	1
Pentachlorophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:22	1
Phenanthrene	ND		5.0	0.44	ug/L		05/23/22 09:03	05/24/22 15:22	1
Phenol	ND		5.0	0.39	ug/L		05/23/22 09:03	05/24/22 15:22	1
Pyrene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*41 - 120*	*05/23/22 09:03*	*05/24/22 15:22*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*05/23/22 09:03*	*05/24/22 15:22*	*1*
2-Fluorophenol	*52*		*35 - 120*	*05/23/22 09:03*	*05/24/22 15:22*	*1*
Nitrobenzene-d5	*73*		*46 - 120*	*05/23/22 09:03*	*05/24/22 15:22*	*1*
Phenol-d5	*40*		*22 - 120*	*05/23/22 09:03*	*05/24/22 15:22*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*05/23/22 09:03*	*05/24/22 15:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/24/22 09:38	05/27/22 12:51	1
Antimony	ND		0.020	0.0068	mg/L		05/24/22 09:38	05/27/22 12:51	1
Arsenic	**0.0072**	**J**	0.015	0.0056	mg/L		05/24/22 09:38	05/27/22 12:51	1
Barium	**0.067**		0.0020	0.00070	mg/L		05/24/22 09:38	05/27/22 12:51	1
Beryllium	ND		0.0020	0.00030	mg/L		05/24/22 09:38	05/27/22 12:51	1
Cadmium	ND		0.0020	0.00050	mg/L		05/24/22 09:38	05/27/22 12:51	1
Calcium	**232**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:51	1
Chromium	ND		0.0040	0.0010	mg/L		05/24/22 09:38	05/27/22 12:51	1
Cobalt	ND		0.0040	0.00063	mg/L		05/24/22 09:38	05/27/22 12:51	1
Copper	ND		0.010	0.0016	mg/L		05/24/22 09:38	05/27/22 12:51	1
Iron	**1.5**		0.050	0.019	mg/L		05/24/22 09:38	05/27/22 12:51	1
Lead	**0.0030**	**J**	0.010	0.0030	mg/L		05/24/22 09:38	05/27/22 12:51	1
Magnesium	**34.8**		0.20	0.043	mg/L		05/24/22 09:38	05/27/22 12:51	1
Manganese	**0.33**		0.0030	0.00040	mg/L		05/24/22 09:38	05/27/22 12:51	1
Nickel	ND		0.010	0.0013	mg/L		05/24/22 09:38	05/27/22 12:51	1
Potassium	**7.5**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:51	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-29_0522
Lab Sample ID: 480-198091-2
Date Collected: 05/18/22 13:10
Matrix: Ground Water
Date Received: 05/18/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		05/24/22 09:38	05/27/22 12:51	1
Silver	ND		0.0060	0.0017	mg/L		05/24/22 09:38	05/27/22 12:51	1
Sodium	**120**		1.0	0.32	mg/L		05/24/22 09:38	05/27/22 12:51	1
Thallium	ND		0.020	0.010	mg/L		05/24/22 09:38	05/27/22 12:51	1
Vanadium	ND		0.0050	0.0015	mg/L		05/24/22 09:38	05/27/22 12:51	1
Zinc	ND		0.010	0.0015	mg/L		05/24/22 09:38	05/27/22 12:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		05/22/22 12:00	05/22/22 14:55	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0522
Lab Sample ID: 480-198091-3
Date Collected: 05/18/22 09:00
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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			05/27/22 14:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 14:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 14:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 14:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 14:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 14:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 14:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 14:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 14:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 14:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 14:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 14:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 14:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 14:52	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 14:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 14:52	1
Acetone	ND		10	3.0	ug/L			05/27/22 14:52	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 14:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 14:52	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 14:52	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 14:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 14:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 14:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 14:52	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 14:52	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 14:52	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 14:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 14:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 14:52	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 14:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 14:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 14:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 14:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 14:52	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 14:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 14:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 14:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 14:52	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 14:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 14:52	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 14:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 14:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 14:52	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 14:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 14:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 14:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 14:52	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0522
Lab Sample ID: 480-198091-3
Date Collected: 05/18/22 09:00
Matrix: Ground Water
Date Received: 05/18/22 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/27/22 14:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/27/22 14:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/27/22 14:52*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/27/22 14:52*	*1*

Method: 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		05/23/22 09:03	05/24/22 15:50	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/23/22 09:03	05/24/22 15:50	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:50	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/23/22 09:03	05/24/22 15:50	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:50	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:50	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Nitroaniline	ND		10	0.42	ug/L		05/23/22 09:03	05/24/22 15:50	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 15:50	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:50	1
3-Nitroaniline	ND		10	0.48	ug/L		05/23/22 09:03	05/24/22 15:50	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Methylphenol	ND		10	0.36	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		05/23/22 09:03	05/24/22 15:50	1
4-Nitrophenol	ND		10	1.5	ug/L		05/23/22 09:03	05/24/22 15:50	1
Acenaphthene	ND		5.0	0.41	ug/L		05/23/22 09:03	05/24/22 15:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/23/22 09:03	05/24/22 15:50	1
Acetophenone	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 15:50	1
Aniline	ND		10	0.61	ug/L		05/23/22 09:03	05/24/22 15:50	1
Anthracene	ND		5.0	0.28	ug/L		05/23/22 09:03	05/24/22 15:50	1
Atrazine	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:50	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/23/22 09:03	05/24/22 15:50	1
Biphenyl	ND		5.0	0.65	ug/L		05/23/22 09:03	05/24/22 15:50	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/23/22 09:03	05/24/22 15:50	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 15:50	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:50	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 15:50	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/23/22 09:03	05/24/22 15:50	1
Caprolactam	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 15:50	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/23/22 09:03	05/24/22 15:50	1

Client Sample ID: BCC Area E RFI-33_0522
Lab Sample ID: 480-198091-3
Date Collected: 05/18/22 09:00
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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		05/23/22 09:03	05/24/22 15:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/23/22 09:03	05/24/22 15:50	1
Dibenzofuran	ND		10	0.51	ug/L		05/23/22 09:03	05/24/22 15:50	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/23/22 09:03	05/24/22 15:50	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:50	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/23/22 09:03	05/24/22 15:50	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:50	1
Fluoranthene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 15:50	1
Fluorene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 15:50	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:50	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/23/22 09:03	05/24/22 15:50	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:50	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 15:50	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 15:50	1
Isophorone	ND		5.0	0.43	ug/L		05/23/22 09:03	05/24/22 15:50	1
Naphthalene	ND		5.0	0.76	ug/L		05/23/22 09:03	05/24/22 15:50	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/23/22 09:03	05/24/22 15:50	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 15:50	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 15:50	1
Pentachlorophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 15:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/23/22 09:03	05/24/22 15:50	1
Phenol	ND		5.0	0.39	ug/L		05/23/22 09:03	05/24/22 15:50	1
Pyrene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*41 - 120*	*05/23/22 09:03*	*05/24/22 15:50*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*05/23/22 09:03*	*05/24/22 15:50*	*1*
2-Fluorophenol	*47*		*35 - 120*	*05/23/22 09:03*	*05/24/22 15:50*	*1*
Nitrobenzene-d5	*66*		*46 - 120*	*05/23/22 09:03*	*05/24/22 15:50*	*1*
Phenol-d5	*34*		*22 - 120*	*05/23/22 09:03*	*05/24/22 15:50*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*05/23/22 09:03*	*05/24/22 15:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J**	0.20	0.060	mg/L		05/24/22 09:38	05/27/22 12:55	1
Antimony	ND		0.020	0.0068	mg/L		05/24/22 09:38	05/27/22 12:55	1
Arsenic	ND		0.015	0.0056	mg/L		05/24/22 09:38	05/27/22 12:55	1
Barium	**0.057**		0.0020	0.00070	mg/L		05/24/22 09:38	05/27/22 12:55	1
Beryllium	ND		0.0020	0.00030	mg/L		05/24/22 09:38	05/27/22 12:55	1
Cadmium	ND		0.0020	0.00050	mg/L		05/24/22 09:38	05/27/22 12:55	1
Calcium	**115**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:55	1
Chromium	**0.0090**		0.0040	0.0010	mg/L		05/24/22 09:38	05/27/22 12:55	1
Cobalt	ND		0.0040	0.00063	mg/L		05/24/22 09:38	05/27/22 12:55	1
Copper	**0.0032**	**J**	0.010	0.0016	mg/L		05/24/22 09:38	05/27/22 12:55	1
Iron	**0.29**		0.050	0.019	mg/L		05/24/22 09:38	05/27/22 12:55	1
Lead	**0.0041**	**J**	0.010	0.0030	mg/L		05/24/22 09:38	05/27/22 12:55	1
Magnesium	**16.1**		0.20	0.043	mg/L		05/24/22 09:38	05/27/22 12:55	1
Manganese	**0.0078**		0.0030	0.00040	mg/L		05/24/22 09:38	05/27/22 12:55	1
Nickel	**0.014**		0.010	0.0013	mg/L		05/24/22 09:38	05/27/22 12:55	1
Potassium	**1.3**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:55	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E RFI-33_0522
Lab Sample ID: 480-198091-3
Date Collected: 05/18/22 09:00
Matrix: Ground Water
Date Received: 05/18/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		05/24/22 09:38	05/27/22 12:55	1
Silver	ND		0.0060	0.0017	mg/L		05/24/22 09:38	05/27/22 12:55	1
Sodium	**72.1**		1.0	0.32	mg/L		05/24/22 09:38	05/27/22 12:55	1
Thallium	ND		0.020	0.010	mg/L		05/24/22 09:38	05/27/22 12:55	1
Vanadium	**0.0019**	**J**	0.0050	0.0015	mg/L		05/24/22 09:38	05/27/22 12:55	1
Zinc	**0.0075**	**J**	0.010	0.0015	mg/L		05/24/22 09:38	05/27/22 12:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		05/22/22 12:00	05/22/22 14:56	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4
Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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			05/27/22 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 15:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 15:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 15:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 15:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 15:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 15:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 15:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 15:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 15:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 15:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 15:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 15:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 15:15	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 15:15	1
Acetone	ND		10	3.0	ug/L			05/27/22 15:15	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 15:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 15:15	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 15:15	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 15:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 15:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 15:15	1
Chlorobenzene	**14**		1.0	0.75	ug/L			05/27/22 15:15	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 15:15	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 15:15	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 15:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 15:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 15:15	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 15:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 15:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 15:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 15:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 15:15	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 15:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 15:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 15:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 15:15	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 15:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 15:15	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 15:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 15:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 15:15	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 15:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 15:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 15:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 15:15	1

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4
Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/27/22 15:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/27/22 15:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/22 15:15*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/27/22 15:15*	*1*

Method: 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		05/23/22 09:03	05/24/22 16:19	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/23/22 09:03	05/24/22 16:19	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 16:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/23/22 09:03	05/24/22 16:19	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 16:19	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		05/23/22 09:03	05/24/22 16:19	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Nitroaniline	ND		10	0.42	ug/L		05/23/22 09:03	05/24/22 16:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 16:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 16:19	1
3-Nitroaniline	ND		10	0.48	ug/L		05/23/22 09:03	05/24/22 16:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Methylphenol	ND		10	0.36	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		05/23/22 09:03	05/24/22 16:19	1
4-Nitrophenol	ND		10	1.5	ug/L		05/23/22 09:03	05/24/22 16:19	1
Acenaphthene	ND		5.0	0.41	ug/L		05/23/22 09:03	05/24/22 16:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/23/22 09:03	05/24/22 16:19	1
Acetophenone	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 16:19	1
Aniline	ND		10	0.61	ug/L		05/23/22 09:03	05/24/22 16:19	1
Anthracene	ND		5.0	0.28	ug/L		05/23/22 09:03	05/24/22 16:19	1
Atrazine	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 16:19	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/23/22 09:03	05/24/22 16:19	1
Biphenyl	ND		5.0	0.65	ug/L		05/23/22 09:03	05/24/22 16:19	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/23/22 09:03	05/24/22 16:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 16:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 16:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 16:19	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/23/22 09:03	05/24/22 16:19	1
Caprolactam	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 16:19	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/23/22 09:03	05/24/22 16:19	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4
Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

Method: 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		05/23/22 09:03	05/24/22 16:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/23/22 09:03	05/24/22 16:19	1
Dibenzofuran	ND		10	0.51	ug/L		05/23/22 09:03	05/24/22 16:19	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/23/22 09:03	05/24/22 16:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 16:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/23/22 09:03	05/24/22 16:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 16:19	1
Fluoranthene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 16:19	1
Fluorene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 16:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 16:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/23/22 09:03	05/24/22 16:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 16:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 16:19	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 16:19	1
Isophorone	ND		5.0	0.43	ug/L		05/23/22 09:03	05/24/22 16:19	1
Naphthalene	ND		5.0	0.76	ug/L		05/23/22 09:03	05/24/22 16:19	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/23/22 09:03	05/24/22 16:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 16:19	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 16:19	1
Pentachlorophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 16:19	1
Phenanthrene	ND		5.0	0.44	ug/L		05/23/22 09:03	05/24/22 16:19	1
Phenol	ND		5.0	0.39	ug/L		05/23/22 09:03	05/24/22 16:19	1
Pyrene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*41 - 120*	*05/23/22 09:03*	*05/24/22 16:19*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*05/23/22 09:03*	*05/24/22 16:19*	*1*
2-Fluorophenol	*50*		*35 - 120*	*05/23/22 09:03*	*05/24/22 16:19*	*1*
Nitrobenzene-d5	*71*		*46 - 120*	*05/23/22 09:03*	*05/24/22 16:19*	*1*
Phenol-d5	*37*		*22 - 120*	*05/23/22 09:03*	*05/24/22 16:19*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*05/23/22 09:03*	*05/24/22 16:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.068**	**J**	0.20	0.060	mg/L		05/24/22 09:38	05/27/22 13:10	1
Antimony	ND		0.020	0.0068	mg/L		05/24/22 09:38	05/27/22 13:10	1
Arsenic	ND		0.015	0.0056	mg/L		05/24/22 09:38	05/27/22 13:10	1
Barium	**0.030**		0.0020	0.00070	mg/L		05/24/22 09:38	05/27/22 13:10	1
Beryllium	ND		0.0020	0.00030	mg/L		05/24/22 09:38	05/27/22 13:10	1
Cadmium	**0.013**		0.0020	0.00050	mg/L		05/24/22 09:38	05/27/22 13:10	1
Calcium	**147**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 13:10	1
Chromium	ND		0.0040	0.0010	mg/L		05/24/22 09:38	05/27/22 13:10	1
Cobalt	**0.0078**		0.0040	0.00063	mg/L		05/24/22 09:38	05/27/22 13:10	1
Copper	**0.14**		0.010	0.0016	mg/L		05/24/22 09:38	05/27/22 13:10	1
Iron	**0.15**		0.050	0.019	mg/L		05/24/22 09:38	05/27/22 13:10	1
Lead	**0.020**		0.010	0.0030	mg/L		05/24/22 09:38	05/27/22 13:10	1
Magnesium	**16.5**		0.20	0.043	mg/L		05/24/22 09:38	05/27/22 13:10	1
Manganese	**0.23**		0.0030	0.00040	mg/L		05/24/22 09:38	05/27/22 13:10	1
Nickel	**0.014**		0.010	0.0013	mg/L		05/24/22 09:38	05/27/22 13:10	1
Potassium	**4.0**		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 13:10	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4
Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		05/24/22 09:38	05/27/22 13:10	1
Silver	ND		0.0060	0.0017	mg/L		05/24/22 09:38	05/27/22 13:10	1
Sodium	**26.7**		1.0	0.32	mg/L		05/24/22 09:38	05/27/22 13:10	1
Thallium	ND		0.020	0.010	mg/L		05/24/22 09:38	05/27/22 13:10	1
Vanadium	ND		0.0050	0.0015	mg/L		05/24/22 09:38	05/27/22 13:10	1
Zinc	**2.8**		0.010	0.0015	mg/L		05/24/22 09:38	05/27/22 13:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		05/22/22 12:00	05/22/22 14:57	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-198091-5
Date Collected: 05/18/22 00:00
Matrix: Water
Date Received: 05/18/22 15:30

Method: 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			05/27/22 15:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 15:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 15:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 15:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 15:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 15:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 15:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 15:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 15:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 15:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 15:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 15:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 15:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 15:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 15:38	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 15:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 15:38	1
Acetone	ND		10	3.0	ug/L			05/27/22 15:38	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 15:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 15:38	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 15:38	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 15:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 15:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 15:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 15:38	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 15:38	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 15:38	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 15:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 15:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 15:38	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 15:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 15:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 15:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 15:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 15:38	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 15:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 15:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 15:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 15:38	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 15:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 15:38	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 15:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 15:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 15:38	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 15:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 15:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 15:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 15:38	1

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-198091-5
Date Collected: 05/18/22 00:00
Matrix: Water
Date Received: 05/18/22 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/27/22 15:38	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/27/22 15:38	1
Toluene-d8 (Surr)	97		80 - 120		05/27/22 15:38	1
Dibromofluoromethane (Surr)	102		75 - 123		05/27/22 15:38	1

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-198091-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-198091-1	BCC Area E MW-E05_0522	96	99	95	101
480-198091-1 MS	BCC Area E MW-E05MS_0522	100	101	98	101
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	97	97	96	101
480-198091-2	BCC Area E RFI-29_0522	104	95	95	107
480-198091-3	BCC Area E RFI-33_0522	104	101	98	106
480-198091-4	BCC Area E MW-E05D_0522	99	102	100	101

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)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-198091-5	TRIP BLANK	101	99	97	102
LCS 480-627933/5	Lab Control Sample	97	103	100	102
MB 480-627933/7	Method Blank	98	106	98	97

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)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-198091-1	BCC Area E MW-E05_0522	96	84	50	70	37	102
480-198091-1 MS	BCC Area E MW-E05MS_0522	96	77	48	73	40	91
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	109	89	56	85	45	102
480-198091-2	BCC Area E RFI-29_0522	94	83	52	73	40	93
480-198091-3	BCC Area E RFI-33_0522	87	79	47	66	34	93
480-198091-4	BCC Area E MW-E05D_0522	90	82	50	71	37	93

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.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)		
LCS 480-627175/2-A	Lab Control Sample	116	102	73	103	58	111		
LCSD 480-627175/3-A	Lab Control Sample Dup	117	99	69	96	56	106		
MB 480-627175/1-A	Method Blank	89	102	70	96	51	110		

Surrogate Legend

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

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

Lab Sample ID: MB 480-627933/7
Matrix: Water
Analysis Batch: 627933

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			05/27/22 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/27/22 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/27/22 13:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/27/22 13:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/27/22 13:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/27/22 13:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/27/22 13:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/27/22 13:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/27/22 13:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/27/22 13:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/27/22 13:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/27/22 13:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/27/22 13:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/27/22 13:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/27/22 13:37	1
2-Hexanone	ND		5.0	1.2	ug/L			05/27/22 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/27/22 13:37	1
Acetone	ND		10	3.0	ug/L			05/27/22 13:37	1
Benzene	ND		1.0	0.41	ug/L			05/27/22 13:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/27/22 13:37	1
Bromoform	ND		1.0	0.26	ug/L			05/27/22 13:37	1
Bromomethane	ND		1.0	0.69	ug/L			05/27/22 13:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/27/22 13:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/27/22 13:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/27/22 13:37	1
Chloroethane	ND		1.0	0.32	ug/L			05/27/22 13:37	1
Chloroform	ND		1.0	0.34	ug/L			05/27/22 13:37	1
Chloromethane	ND		1.0	0.35	ug/L			05/27/22 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/27/22 13:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/27/22 13:37	1
Cyclohexane	ND		1.0	0.18	ug/L			05/27/22 13:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/27/22 13:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/27/22 13:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/27/22 13:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/27/22 13:37	1
Methyl acetate	ND		2.5	1.3	ug/L			05/27/22 13:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/27/22 13:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/27/22 13:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/27/22 13:37	1
Styrene	ND		1.0	0.73	ug/L			05/27/22 13:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/27/22 13:37	1
Toluene	ND		1.0	0.51	ug/L			05/27/22 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/27/22 13:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/27/22 13:37	1
Trichloroethene	ND		1.0	0.46	ug/L			05/27/22 13:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/27/22 13:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/27/22 13:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/27/22 13:37	1

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

Lab Sample ID: MB 480-627933/7
Matrix: Water
Analysis Batch: 627933

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		05/27/22 13:37	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/27/22 13:37	1
Toluene-d8 (Surr)	98		80 - 120		05/27/22 13:37	1
Dibromofluoromethane (Surr)	97		75 - 123		05/27/22 13:37	1

Lab Sample ID: LCS 480-627933/5
Matrix: Water
Analysis Batch: 627933

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	24.9		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.6		ug/L		78	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.6		ug/L		90	61 - 148
1,1,2-Trichloroethane	25.0	22.9		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	20.9		ug/L		84	77 - 120
1,1-Dichloroethene	25.0	21.2		ug/L		85	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.5		ug/L		82	56 - 134
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	21.6		ug/L		86	76 - 120
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 120
2-Butanone (MEK)	125	108		ug/L		87	57 - 140
2-Hexanone	125	104		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	91.3		ug/L		73	71 - 125
Acetone	125	143		ug/L		115	56 - 142
Benzene	25.0	22.1		ug/L		88	71 - 124
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
Bromoform	25.0	22.1		ug/L		88	61 - 132
Bromomethane	25.0	22.4		ug/L		90	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	23.3		ug/L		93	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Chloroethane	25.0	20.2		ug/L		81	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	18.6		ug/L		74	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Cyclohexane	25.0	17.9		ug/L		72	59 - 135
Dibromochloromethane	25.0	24.8		ug/L		99	75 - 125
Dichlorodifluoromethane	25.0	21.2		ug/L		85	59 - 135
Ethylbenzene	25.0	22.7		ug/L		91	77 - 123
Isopropylbenzene	25.0	20.5		ug/L		82	77 - 122
Methyl acetate	50.0	45.4		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		93	77 - 120
Methylcyclohexane	25.0	22.3		ug/L		89	68 - 134

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

Lab Sample ID: LCS 480-627933/5
Matrix: Water
Analysis Batch: 627933

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	21.9		ug/L		88	75 - 124
Styrene	25.0	21.5		ug/L		86	80 - 120
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	22.0		ug/L		88	80 - 122
trans-1,2-Dichloroethene	25.0	21.4		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	22.6		ug/L		91	62 - 150
Vinyl chloride	25.0	18.9		ug/L		76	65 - 133
Xylenes, Total	50.0	46.1		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627933

Client Sample ID: BCC Area E MW-E05MS_0522
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	29.9		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	22.1		ug/L		88	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.5		ug/L		106	61 - 148
1,1,2-Trichloroethane	ND		25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	ND		25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	ND		25.0	26.7		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	21.6		ug/L		87	56 - 134
1,2-Dibromoethane	ND		25.0	25.3		ug/L		101	77 - 120
1,2-Dichlorobenzene	ND		25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	ND		25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	ND		25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		102	78 - 124
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140
2-Hexanone	ND		125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	109		ug/L		87	71 - 125
Acetone	ND		125	150		ug/L		120	56 - 142
Benzene	ND		25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122
Bromoform	ND		25.0	23.0		ug/L		92	61 - 132
Bromomethane	ND		25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	ND		25.0	23.1		ug/L		92	59 - 134
Carbon tetrachloride	ND		25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	11		25.0	37.0		ug/L		104	80 - 120
Chloroethane	ND		25.0	22.0		ug/L		88	69 - 136

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

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627933

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	ND		25.0	26.4		ug/L		105	73 - 127
Chloromethane	ND		25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	ND		25.0	26.1		ug/L		104	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.9		ug/L		95	74 - 124
Cyclohexane	ND		25.0	22.7		ug/L		91	59 - 135
Dibromochloromethane	ND		25.0	26.1		ug/L		104	75 - 125
Dichlorodifluoromethane	ND		25.0	27.8		ug/L		111	59 - 135
Ethylbenzene	ND		25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	ND		25.0	24.2		ug/L		97	77 - 122
Methyl acetate	ND		50.0	45.1		ug/L		90	74 - 133
Methyl tert-butyl ether	ND		25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	ND		25.0	25.8		ug/L		103	68 - 134
Methylene Chloride	ND		25.0	25.2		ug/L		101	75 - 124
Styrene	ND		25.0	22.2		ug/L		89	80 - 120
Tetrachloroethene	ND		25.0	25.8		ug/L		103	74 - 122
Toluene	ND		25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.1		ug/L		97	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	22.1		ug/L		89	80 - 120
Trichloroethene	ND		25.0	27.1		ug/L		109	74 - 123
Trichlorofluoromethane	ND		25.0	27.3		ug/L		109	62 - 150
Vinyl chloride	ND		25.0	24.4		ug/L		98	65 - 133
Xylenes, Total	ND		50.0	49.5		ug/L		99	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 627933

Client Sample ID: BCC Area E MW-E05MSD_0522
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	27.4		ug/L		110	73 - 126	9	15
1,1,2,2-Tetrachloroethane	ND		25.0	20.8		ug/L		83	76 - 120	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.5		ug/L		102	61 - 148	4	20
1,1,2-Trichloroethane	ND		25.0	21.3		ug/L		85	76 - 122	8	15
1,1-Dichloroethane	ND		25.0	22.6		ug/L		90	77 - 120	7	20
1,1-Dichloroethene	ND		25.0	26.7		ug/L		107	66 - 127	0	16
1,2,4-Trichlorobenzene	ND		25.0	23.7		ug/L		95	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	22.4		ug/L		90	56 - 134	3	15
1,2-Dibromoethane	ND		25.0	22.8		ug/L		91	77 - 120	10	15
1,2-Dichlorobenzene	ND		25.0	25.0		ug/L		100	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	23.9		ug/L		95	75 - 120	5	20
1,2-Dichloropropane	ND		25.0	22.2		ug/L		89	76 - 120	6	20
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		102	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	24.9		ug/L		99	78 - 124	2	20

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

Lab Sample ID: 480-198091-1 MSD
Client Sample ID: BCC Area E MW-E05MSD_0522
Matrix: Ground Water
Prep Type: Total/NA
Analysis Batch: 627933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		125	128		ug/L		103	57 - 140	2	20
2-Hexanone	ND		125	116		ug/L		93	65 - 127	8	15
4-Methyl-2-pentanone (MIBK)	ND		125	103		ug/L		82	71 - 125	6	35
Acetone	ND		125	155		ug/L		124	56 - 142	3	15
Benzene	ND		25.0	23.2		ug/L		93	71 - 124	6	13
Bromodichloromethane	ND		25.0	24.2		ug/L		97	80 - 122	7	15
Bromoform	ND		25.0	19.9		ug/L		79	61 - 132	14	15
Bromomethane	ND		25.0	24.8		ug/L		99	55 - 144	2	15
Carbon disulfide	ND		25.0	21.8		ug/L		87	59 - 134	6	15
Carbon tetrachloride	ND		25.0	27.0		ug/L		108	72 - 134	4	15
Chlorobenzene	11		25.0	33.8		ug/L		91	80 - 120	9	25
Chloroethane	ND		25.0	24.7		ug/L		99	69 - 136	11	15
Chloroform	ND		25.0	25.0		ug/L		100	73 - 127	5	20
Chloromethane	ND		25.0	23.2		ug/L		93	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	24.5		ug/L		98	74 - 124	6	15
cis-1,3-Dichloropropene	ND		25.0	21.4		ug/L		86	74 - 124	11	15
Cyclohexane	ND		25.0	21.5		ug/L		86	59 - 135	5	20
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125	8	15
Dichlorodifluoromethane	ND		25.0	28.7		ug/L		115	59 - 135	3	20
Ethylbenzene	ND		25.0	22.9		ug/L		91	77 - 123	6	15
Isopropylbenzene	ND		25.0	22.9		ug/L		92	77 - 122	6	20
Methyl acetate	ND		50.0	41.9		ug/L		84	74 - 133	7	20
Methyl tert-butyl ether	ND		25.0	24.5		ug/L		98	77 - 120	0	37
Methylcyclohexane	ND		25.0	24.0		ug/L		96	68 - 134	7	20
Methylene Chloride	ND		25.0	24.2		ug/L		97	75 - 124	4	15
Styrene	ND		25.0	21.0		ug/L		84	80 - 120	6	20
Tetrachloroethene	ND		25.0	24.5		ug/L		98	74 - 122	5	20
Toluene	ND		25.0	22.2		ug/L		89	80 - 122	7	15
trans-1,2-Dichloroethene	ND		25.0	23.9		ug/L		96	73 - 127	1	20
trans-1,3-Dichloropropene	ND	F1	25.0	19.7	F1	ug/L		79	80 - 120	12	15
Trichloroethene	ND		25.0	23.9		ug/L		96	74 - 123	13	16
Trichlorofluoromethane	ND		25.0	28.1		ug/L		112	62 - 150	3	20
Vinyl chloride	ND		25.0	25.1		ug/L		100	65 - 133	3	15
Xylenes, Total	ND		50.0	47.3		ug/L		95	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

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

Lab Sample ID: MB 480-627175/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627362
Prep Batch: 627175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 12:35	1

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

Lab Sample ID: MB 480-627175/1-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/23/22 09:03	05/24/22 12:35	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 12:35	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/23/22 09:03	05/24/22 12:35	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 12:35	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 12:35	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Nitroaniline	ND		10	0.42	ug/L		05/23/22 09:03	05/24/22 12:35	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/23/22 09:03	05/24/22 12:35	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 12:35	1
3-Nitroaniline	ND		10	0.48	ug/L		05/23/22 09:03	05/24/22 12:35	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Methylphenol	ND		10	0.36	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Nitroaniline	ND		10	0.25	ug/L		05/23/22 09:03	05/24/22 12:35	1
4-Nitrophenol	ND		10	1.5	ug/L		05/23/22 09:03	05/24/22 12:35	1
Acenaphthene	ND		5.0	0.41	ug/L		05/23/22 09:03	05/24/22 12:35	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/23/22 09:03	05/24/22 12:35	1
Acetophenone	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 12:35	1
Aniline	ND		10	0.61	ug/L		05/23/22 09:03	05/24/22 12:35	1
Anthracene	ND		5.0	0.28	ug/L		05/23/22 09:03	05/24/22 12:35	1
Atrazine	ND		5.0	0.46	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 12:35	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/23/22 09:03	05/24/22 12:35	1
Biphenyl	ND		5.0	0.65	ug/L		05/23/22 09:03	05/24/22 12:35	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/23/22 09:03	05/24/22 12:35	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/23/22 09:03	05/24/22 12:35	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 12:35	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 12:35	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/23/22 09:03	05/24/22 12:35	1
Caprolactam	ND		5.0	2.2	ug/L		05/23/22 09:03	05/24/22 12:35	1
Carbazole	ND		5.0	0.30	ug/L		05/23/22 09:03	05/24/22 12:35	1
Chrysene	ND		5.0	0.33	ug/L		05/23/22 09:03	05/24/22 12:35	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/23/22 09:03	05/24/22 12:35	1
Dibenzofuran	ND		10	0.51	ug/L		05/23/22 09:03	05/24/22 12:35	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/23/22 09:03	05/24/22 12:35	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 12:35	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/23/22 09:03	05/24/22 12:35	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 12:35	1

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

Lab Sample ID: MB 480-627175/1-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		05/23/22 09:03	05/24/22 12:35	1
Fluorene	ND		5.0	0.36	ug/L		05/23/22 09:03	05/24/22 12:35	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 12:35	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/23/22 09:03	05/24/22 12:35	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 12:35	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/23/22 09:03	05/24/22 12:35	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/23/22 09:03	05/24/22 12:35	1
Isophorone	ND		5.0	0.43	ug/L		05/23/22 09:03	05/24/22 12:35	1
Naphthalene	ND		5.0	0.76	ug/L		05/23/22 09:03	05/24/22 12:35	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/23/22 09:03	05/24/22 12:35	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/23/22 09:03	05/24/22 12:35	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/23/22 09:03	05/24/22 12:35	1
Pentachlorophenol	ND		10	2.2	ug/L		05/23/22 09:03	05/24/22 12:35	1
Phenanthrene	ND		5.0	0.44	ug/L		05/23/22 09:03	05/24/22 12:35	1
Phenol	ND		5.0	0.39	ug/L		05/23/22 09:03	05/24/22 12:35	1
Pyrene	ND		5.0	0.34	ug/L		05/23/22 09:03	05/24/22 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*41 - 120*	*05/23/22 09:03*	*05/24/22 12:35*	*1*
2-Fluorobiphenyl	*102*		*48 - 120*	*05/23/22 09:03*	*05/24/22 12:35*	*1*
2-Fluorophenol	*70*		*35 - 120*	*05/23/22 09:03*	*05/24/22 12:35*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*05/23/22 09:03*	*05/24/22 12:35*	*1*
Phenol-d5	*51*		*22 - 120*	*05/23/22 09:03*	*05/24/22 12:35*	*1*
p-Terphenyl-d14	*110*		*60 - 148*	*05/23/22 09:03*	*05/24/22 12:35*	*1*

Lab Sample ID: LCS 480-627175/2-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	36.1		ug/L		113	65 - 126
2,4,6-Trichlorophenol	32.0	32.8		ug/L		103	64 - 120
2,4-Dichlorophenol	32.0	34.2		ug/L		107	63 - 120
2,4-Dimethylphenol	32.0	33.3		ug/L		104	47 - 120
2,4-Dinitrophenol	64.0	78.2		ug/L		122	31 - 137
2,4-Dinitrotoluene	32.0	39.9	*+	ug/L		125	69 - 120
2,6-Dinitrotoluene	32.0	35.9		ug/L		112	68 - 120
2-Chloronaphthalene	32.0	30.6		ug/L		95	58 - 120
2-Chlorophenol	32.0	30.4		ug/L		95	48 - 120
2-Methylnaphthalene	32.0	28.2		ug/L		88	59 - 120
2-Methylphenol	32.0	29.7		ug/L		93	39 - 120
2-Nitroaniline	32.0	36.3		ug/L		113	54 - 127
2-Nitrophenol	32.0	34.8		ug/L		109	52 - 125
3,3'-Dichlorobenzidine	64.0	61.3		ug/L		96	49 - 135
3-Nitroaniline	32.0	32.1		ug/L		100	51 - 120
4,6-Dinitro-2-methylphenol	64.0	84.5		ug/L		132	46 - 136
4-Bromophenyl phenyl ether	32.0	34.8		ug/L		109	65 - 120
4-Chloro-3-methylphenol	32.0	35.5		ug/L		111	61 - 123

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

Lab Sample ID: LCS 480-627175/2-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloroaniline	32.0	27.9		ug/L		87	30 - 120
4-Chlorophenyl phenyl ether	32.0	33.5		ug/L		105	62 - 120
4-Methylphenol	32.0	29.5		ug/L		92	29 - 131
4-Nitroaniline	32.0	39.5	*+	ug/L		124	65 - 120
4-Nitrophenol	64.0	57.8		ug/L		90	45 - 120
Acenaphthene	32.0	32.6		ug/L		102	60 - 120
Acenaphthylene	32.0	31.6		ug/L		99	63 - 120
Acetophenone	32.0	32.8		ug/L		103	45 - 120
Aniline	32.0	23.5		ug/L		74	12 - 120
Anthracene	32.0	35.2		ug/L		110	67 - 120
Atrazine	64.0	76.1		ug/L		119	71 - 130
Benzaldehyde	64.0	63.3		ug/L		99	10 - 140
Benzo(a)anthracene	32.0	34.9		ug/L		109	70 - 121
Benzo(a)pyrene	32.0	32.9		ug/L		103	60 - 123
Benzo(b)fluoranthene	32.0	35.8		ug/L		112	66 - 126
Benzo(g,h,i)perylene	32.0	35.4		ug/L		110	66 - 150
Benzo(k)fluoranthene	32.0	35.2		ug/L		110	65 - 124
Biphenyl	32.0	31.3		ug/L		98	59 - 120
bis (2-chloroisopropyl) ether	32.0	29.2		ug/L		91	21 - 136
Bis(2-chloroethoxy)methane	32.0	31.3		ug/L		98	50 - 128
Bis(2-chloroethyl)ether	32.0	31.7		ug/L		99	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	36.7		ug/L		115	63 - 139
Butyl benzyl phthalate	32.0	37.6		ug/L		118	70 - 129
Caprolactam	64.0	26.6		ug/L		42	22 - 120
Carbazole	32.0	45.1	*+	ug/L		141	66 - 123
Chrysene	32.0	34.5		ug/L		108	69 - 120
Dibenz(a,h)anthracene	32.0	36.6		ug/L		114	65 - 135
Dibenzofuran	32.0	32.8		ug/L		103	66 - 120
Diethyl phthalate	32.0	34.6		ug/L		108	59 - 127
Dimethyl phthalate	32.0	34.8		ug/L		109	68 - 120
Di-n-butyl phthalate	32.0	34.8		ug/L		109	69 - 131
Di-n-octyl phthalate	32.0	36.5		ug/L		114	63 - 140
Fluoranthene	32.0	34.8		ug/L		109	69 - 126
Fluorene	32.0	34.1		ug/L		106	66 - 120
Hexachlorobenzene	32.0	34.5		ug/L		108	61 - 120
Hexachlorobutadiene	32.0	26.9		ug/L		84	35 - 120
Hexachlorocyclopentadiene	32.0	30.5		ug/L		95	31 - 120
Hexachloroethane	32.0	26.7		ug/L		84	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	37.2		ug/L		116	69 - 146
Isophorone	32.0	33.2		ug/L		104	55 - 120
Naphthalene	32.0	31.0		ug/L		97	57 - 120
Nitrobenzene	32.0	33.8		ug/L		106	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.5		ug/L		101	32 - 140
N-Nitrosodiphenylamine	32.0	34.2		ug/L		107	61 - 120
Pentachlorophenol	64.0	70.2		ug/L		110	29 - 136
Phenanthrene	32.0	32.5		ug/L		102	68 - 120
Phenol	32.0	19.6		ug/L		61	17 - 120
Pyrene	32.0	34.6		ug/L		108	70 - 125

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

Lab Sample ID: LCS 480-627175/2-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627175

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*116*		*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*
2-Fluorophenol	*73*		*35 - 120*
Nitrobenzene-d5	*103*		*46 - 120*
Phenol-d5	*58*		*22 - 120*
p-Terphenyl-d14	*111*		*60 - 148*

Lab Sample ID: LCSD 480-627175/3-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627175

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol			32.0	35.8		ug/L		112	65 - 126	1	18
2,4,6-Trichlorophenol			32.0	32.4		ug/L		101	64 - 120	1	19
2,4-Dichlorophenol			32.0	33.4		ug/L		104	63 - 120	3	19
2,4-Dimethylphenol			32.0	31.8		ug/L		99	47 - 120	5	42
2,4-Dinitrophenol			64.0	79.1		ug/L		124	31 - 137	1	22
2,4-Dinitrotoluene			32.0	39.0	*+	ug/L		122	69 - 120	2	20
2,6-Dinitrotoluene			32.0	35.7		ug/L		112	68 - 120	1	15
2-Chloronaphthalene			32.0	29.8		ug/L		93	58 - 120	3	21
2-Chlorophenol			32.0	28.6		ug/L		89	48 - 120	6	25
2-Methylnaphthalene			32.0	27.2		ug/L		85	59 - 120	3	21
2-Methylphenol			32.0	28.8		ug/L		90	39 - 120	3	27
2-Nitroaniline			32.0	36.0		ug/L		112	54 - 127	1	15
2-Nitrophenol			32.0	33.2		ug/L		104	52 - 125	5	18
3,3'-Dichlorobenzidine			64.0	67.0		ug/L		105	49 - 135	9	25
3-Nitroaniline			32.0	33.8		ug/L		106	51 - 120	5	19
4,6-Dinitro-2-methylphenol			64.0	85.7		ug/L		134	46 - 136	1	15
4-Bromophenyl phenyl ether			32.0	35.2		ug/L		110	65 - 120	1	15
4-Chloro-3-methylphenol			32.0	34.8		ug/L		109	61 - 123	2	27
4-Chloroaniline			32.0	29.0		ug/L		91	30 - 120	4	22
4-Chlorophenyl phenyl ether			32.0	32.8		ug/L		102	62 - 120	2	16
4-Methylphenol			32.0	29.2		ug/L		91	29 - 131	1	24
4-Nitroaniline			32.0	39.4	*+	ug/L		123	65 - 120	0	24
4-Nitrophenol			64.0	57.5		ug/L		90	45 - 120	0	48
Acenaphthene			32.0	31.8		ug/L		99	60 - 120	2	24
Acenaphthylene			32.0	30.9		ug/L		96	63 - 120	2	18
Acetophenone			32.0	31.5		ug/L		99	45 - 120	4	20
Aniline			32.0	23.2		ug/L		73	12 - 120	1	30
Anthracene			32.0	35.1		ug/L		110	67 - 120	0	15
Atrazine			64.0	75.8		ug/L		118	71 - 130	0	20
Benzaldehyde			64.0	58.2		ug/L		91	10 - 140	8	20
Benzo(a)anthracene			32.0	33.9		ug/L		106	70 - 121	3	15
Benzo(a)pyrene			32.0	32.3		ug/L		101	60 - 123	2	15
Benzo(b)fluoranthene			32.0	35.2		ug/L		110	66 - 126	2	15
Benzo(g,h,i)perylene			32.0	35.0		ug/L		109	66 - 150	1	15
Benzo(k)fluoranthene			32.0	34.3		ug/L		107	65 - 124	3	22
Biphenyl			32.0	30.6		ug/L		95	59 - 120	2	20

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

Lab Sample ID: LCSD 480-627175/3-A
Matrix: Water
Analysis Batch: 627362

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627175

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether			32.0	27.5		ug/L		86	21 - 136	6	24
Bis(2-chloroethoxy)methane			32.0	30.2		ug/L		94	50 - 128	3	17
Bis(2-chloroethyl)ether			32.0	30.0		ug/L		94	44 - 120	6	21
Bis(2-ethylhexyl) phthalate			32.0	35.3		ug/L		110	63 - 139	4	15
Butyl benzyl phthalate			32.0	36.6		ug/L		114	70 - 129	3	16
Caprolactam			64.0	27.0		ug/L		42	22 - 120	1	20
Carbazole			32.0	45.0	*+	ug/L		141	66 - 123	0	20
Chrysene			32.0	33.5		ug/L		105	69 - 120	3	15
Dibenz(a,h)anthracene			32.0	36.3		ug/L		113	65 - 135	1	15
Dibenzofuran			32.0	32.3		ug/L		101	66 - 120	2	15
Diethyl phthalate			32.0	34.6		ug/L		108	59 - 127	0	15
Dimethyl phthalate			32.0	34.4		ug/L		108	68 - 120	1	15
Di-n-butyl phthalate			32.0	35.7		ug/L		111	69 - 131	3	15
Di-n-octyl phthalate			32.0	35.1		ug/L		110	63 - 140	4	16
Fluoranthene			32.0	35.1		ug/L		110	69 - 126	1	15
Fluorene			32.0	33.4		ug/L		104	66 - 120	2	15
Hexachlorobenzene			32.0	34.8		ug/L		109	61 - 120	1	15
Hexachlorobutadiene			32.0	25.2		ug/L		79	35 - 120	7	44
Hexachlorocyclopentadiene			32.0	29.0		ug/L		91	31 - 120	5	49
Hexachloroethane			32.0	24.6		ug/L		77	43 - 120	8	46
Indeno(1,2,3-cd)pyrene			32.0	36.2		ug/L		113	69 - 146	3	15
Isophorone			32.0	31.9		ug/L		100	55 - 120	4	17
Naphthalene			32.0	29.7		ug/L		93	57 - 120	4	29
Nitrobenzene			32.0	32.0		ug/L		100	53 - 123	6	24
N-Nitrosodi-n-propylamine			32.0	31.1		ug/L		97	32 - 140	4	31
N-Nitrosodiphenylamine			32.0	34.4		ug/L		108	61 - 120	1	15
Pentachlorophenol			64.0	71.0		ug/L		111	29 - 136	1	37
Phenanthrene			32.0	32.8		ug/L		103	68 - 120	1	15
Phenol			32.0	18.7		ug/L		58	17 - 120	5	34
Pyrene			32.0	33.2		ug/L		104	70 - 125	4	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*117*		*41 - 120*
2-Fluorobiphenyl	*99*		*48 - 120*
2-Fluorophenol	*69*		*35 - 120*
Nitrobenzene-d5	*96*		*46 - 120*
Phenol-d5	*56*		*22 - 120*
p-Terphenyl-d14	*106*		*60 - 148*

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND	F2	32.0	26.4		ug/L		83	65 - 126
2,4,6-Trichlorophenol	ND		32.0	24.7		ug/L		77	64 - 120
2,4-Dichlorophenol	ND		32.0	24.6		ug/L		77	48 - 132
2,4-Dimethylphenol	ND		32.0	24.4		ug/L		76	39 - 130

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

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrophenol	ND		64.0	63.1		ug/L		99	21 - 150
2,4-Dinitrotoluene	ND	*+	32.0	32.2		ug/L		101	54 - 138
2,6-Dinitrotoluene	ND		32.0	28.8		ug/L		90	17 - 150
2-Chloronaphthalene	ND		32.0	23.5		ug/L		73	52 - 124
2-Chlorophenol	ND		32.0	20.9		ug/L		65	48 - 120
2-Methylnaphthalene	ND		32.0	21.3		ug/L		67	34 - 140
2-Methylphenol	ND		32.0	21.2		ug/L		66	46 - 120
2-Nitroaniline	ND		32.0	29.1		ug/L		91	44 - 136
2-Nitrophenol	ND		32.0	25.0		ug/L		78	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	49.7		ug/L		78	10 - 150
3-Nitroaniline	ND		32.0	25.3		ug/L		79	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	70.5		ug/L		110	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	28.8		ug/L		90	63 - 126
4-Chloro-3-methylphenol	ND		32.0	27.4		ug/L		86	64 - 127
4-Chloroaniline	ND		32.0	21.5		ug/L		67	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	26.7		ug/L		83	61 - 120
4-Methylphenol	ND		32.0	21.5		ug/L		67	36 - 120
4-Nitroaniline	ND	*+	32.0	31.7		ug/L		99	32 - 150
4-Nitrophenol	ND		64.0	43.6		ug/L		68	23 - 132
Acenaphthene	ND		32.0	25.3		ug/L		79	48 - 120
Acenaphthylene	ND		32.0	24.5		ug/L		76	63 - 120
Acetophenone	ND		32.0	23.4		ug/L		73	53 - 120
Aniline	ND		32.0	17.0		ug/L		53	32 - 120
Anthracene	ND		32.0	30.0		ug/L		94	65 - 122
Atrazine	ND		64.0	60.1		ug/L		94	50 - 150
Benzaldehyde	ND		64.0	43.1		ug/L		67	10 - 150
Benzo(a)anthracene	ND		32.0	29.2		ug/L		91	43 - 124
Benzo(a)pyrene	ND		32.0	26.5		ug/L		83	23 - 125
Benzo(b)fluoranthene	ND		32.0	29.1		ug/L		91	27 - 127
Benzo(g,h,i)perylene	ND		32.0	28.5		ug/L		89	16 - 147
Benzo(k)fluoranthene	ND		32.0	27.5		ug/L		86	20 - 124
Biphenyl	ND		32.0	24.0		ug/L		75	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	20.0		ug/L		62	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	22.9		ug/L		71	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	21.8		ug/L		68	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	30.1		ug/L		94	16 - 150
Butyl benzyl phthalate	ND		32.0	31.1		ug/L		97	51 - 140
Caprolactam	ND		64.0	20.0		ug/L		31	10 - 120
Carbazole	ND	*+	32.0	37.8		ug/L		118	16 - 148
Chrysene	ND		32.0	28.7		ug/L		90	44 - 122
Dibenz(a,h)anthracene	ND		32.0	29.5		ug/L		92	16 - 139
Dibenzofuran	ND		32.0	25.8		ug/L		81	60 - 120
Diethyl phthalate	ND		32.0	28.1		ug/L		88	53 - 133
Dimethyl phthalate	ND		32.0	28.1		ug/L		88	59 - 123
Di-n-butyl phthalate	ND		32.0	30.1		ug/L		94	65 - 129
Di-n-octyl phthalate	ND		32.0	30.0		ug/L		94	16 - 150
Fluoranthene	ND		32.0	29.7		ug/L		93	63 - 129
Fluorene	ND		32.0	27.4		ug/L		86	62 - 120
Hexachlorobenzene	ND		32.0	28.9		ug/L		90	57 - 121

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

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	ND		32.0	19.0		ug/L		59	37 - 120
Hexachlorocyclopentadiene	ND		32.0	21.3		ug/L		66	21 - 120
Hexachloroethane	ND		32.0	18.3		ug/L		57	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	29.9		ug/L		93	16 - 140
Isophorone	ND		32.0	24.7		ug/L		77	48 - 133
Naphthalene	ND		32.0	23.0		ug/L		72	45 - 120
Nitrobenzene	ND		32.0	24.3		ug/L		76	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	23.1		ug/L		72	49 - 120
N-Nitrosodiphenylamine	ND		32.0	28.0		ug/L		87	39 - 138
Pentachlorophenol	ND		64.0	59.7		ug/L		93	23 - 149
Phenanthrene	ND		32.0	28.2		ug/L		88	65 - 122
Phenol	ND		32.0	13.3		ug/L		42	16 - 120
Pyrene	ND		32.0	29.6		ug/L		92	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*96*		*41 - 120*
2-Fluorobiphenyl	*77*		*48 - 120*
2-Fluorophenol	*48*		*35 - 120*
Nitrobenzene-d5	*73*		*46 - 120*
Phenol-d5	*40*		*22 - 120*
p-Terphenyl-d14	*91*		*60 - 148*

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MSD_0522
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND	F2	32.0	33.0	F2	ug/L		103	65 - 126	22	18
2,4,6-Trichlorophenol	ND		32.0	30.1		ug/L		94	64 - 120	19	19
2,4-Dichlorophenol	ND		32.0	29.5		ug/L		92	48 - 132	18	19
2,4-Dimethylphenol	ND		32.0	29.1		ug/L		91	39 - 130	17	42
2,4-Dinitrophenol	ND		64.0	75.3		ug/L		118	21 - 150	18	22
2,4-Dinitrotoluene	ND	*+	32.0	36.9		ug/L		115	54 - 138	14	20
2,6-Dinitrotoluene	ND		32.0	33.0		ug/L		103	17 - 150	14	15
2-Chloronaphthalene	ND		32.0	26.9		ug/L		84	52 - 124	14	21
2-Chlorophenol	ND		32.0	24.3		ug/L		76	48 - 120	15	25
2-Methylnaphthalene	ND		32.0	24.9		ug/L		78	34 - 140	16	21
2-Methylphenol	ND		32.0	24.5		ug/L		77	46 - 120	14	27
2-Nitroaniline	ND		32.0	32.7		ug/L		102	44 - 136	11	15
2-Nitrophenol	ND		32.0	29.9		ug/L		93	38 - 141	18	18
3,3'-Dichlorobenzidine	ND		64.0	55.7		ug/L		87	10 - 150	11	25
3-Nitroaniline	ND		32.0	27.6		ug/L		86	32 - 150	9	19
4,6-Dinitro-2-methylphenol	ND		64.0	79.5		ug/L		124	38 - 150	12	15
4-Bromophenyl phenyl ether	ND		32.0	31.8		ug/L		99	63 - 126	10	15
4-Chloro-3-methylphenol	ND		32.0	31.8		ug/L		99	64 - 127	15	27
4-Chloroaniline	ND		32.0	24.6		ug/L		77	16 - 124	13	22
4-Chlorophenyl phenyl ether	ND		32.0	30.2		ug/L		94	61 - 120	12	16
4-Methylphenol	ND		32.0	24.6		ug/L		77	36 - 120	14	24

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

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MSD_0522
Prep Type: Total/NA
Prep Batch: 627175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	ND	*+	32.0	36.3		ug/L		114	32 - 150	14	24
4-Nitrophenol	ND		64.0	52.6		ug/L		82	23 - 132	19	48
Acenaphthene	ND		32.0	29.0		ug/L		91	48 - 120	14	24
Acenaphthylene	ND		32.0	28.2		ug/L		88	63 - 120	14	18
Acetophenone	ND		32.0	27.1		ug/L		85	53 - 120	14	20
Aniline	ND		32.0	19.4		ug/L		61	32 - 120	13	30
Anthracene	ND		32.0	33.0		ug/L		103	65 - 122	9	15
Atrazine	ND		64.0	67.1		ug/L		105	50 - 150	11	20
Benzaldehyde	ND		64.0	47.9		ug/L		75	10 - 150	11	20
Benzo(a)anthracene	ND		32.0	33.0		ug/L		103	43 - 124	12	15
Benzo(a)pyrene	ND		32.0	30.1		ug/L		94	23 - 125	13	15
Benzo(b)fluoranthene	ND		32.0	32.9		ug/L		103	27 - 127	12	15
Benzo(g,h,i)perylene	ND		32.0	32.7		ug/L		102	16 - 147	14	15
Benzo(k)fluoranthene	ND		32.0	32.1		ug/L		100	20 - 124	16	22
Biphenyl	ND		32.0	27.8		ug/L		87	57 - 120	15	20
bis (2-chloroisopropyl) ether	ND		32.0	22.8		ug/L		71	28 - 121	13	24
Bis(2-chloroethoxy)methane	ND		32.0	27.0		ug/L		84	44 - 128	17	17
Bis(2-chloroethyl)ether	ND		32.0	24.9		ug/L		78	45 - 120	13	21
Bis(2-ethylhexyl) phthalate	ND		32.0	33.7		ug/L		105	16 - 150	11	15
Butyl benzyl phthalate	ND		32.0	35.1		ug/L		110	51 - 140	12	16
Caprolactam	ND		64.0	23.0		ug/L		36	10 - 120	14	20
Carbazole	ND	*+	32.0	41.7		ug/L		130	16 - 148	10	20
Chrysene	ND		32.0	33.0		ug/L		103	44 - 122	14	15
Dibenz(a,h)anthracene	ND		32.0	34.5		ug/L		108	16 - 139	15	15
Dibenzofuran	ND		32.0	29.8		ug/L		93	60 - 120	14	15
Diethyl phthalate	ND		32.0	32.4		ug/L		101	53 - 133	14	15
Dimethyl phthalate	ND		32.0	31.8		ug/L		100	59 - 123	13	15
Di-n-butyl phthalate	ND		32.0	33.0		ug/L		103	65 - 129	9	15
Di-n-octyl phthalate	ND		32.0	34.3		ug/L		107	16 - 150	13	16
Fluoranthene	ND		32.0	32.7		ug/L		102	63 - 129	10	15
Fluorene	ND		32.0	31.2		ug/L		97	62 - 120	13	15
Hexachlorobenzene	ND		32.0	32.2		ug/L		100	57 - 121	11	15
Hexachlorobutadiene	ND		32.0	22.0		ug/L		69	37 - 120	15	44
Hexachlorocyclopentadiene	ND		32.0	25.5		ug/L		80	21 - 120	18	49
Hexachloroethane	ND		32.0	20.5		ug/L		64	16 - 130	11	46
Indeno(1,2,3-cd)pyrene	ND		32.0	34.2		ug/L		107	16 - 140	14	15
Isophorone	ND		32.0	29.1		ug/L		91	48 - 133	16	17
Naphthalene	ND		32.0	26.9		ug/L		84	45 - 120	16	29
Nitrobenzene	ND		32.0	28.5		ug/L		89	45 - 123	16	24
N-Nitrosodi-n-propylamine	ND		32.0	26.5		ug/L		83	49 - 120	14	31
N-Nitrosodiphenylamine	ND		32.0	31.6		ug/L		99	39 - 138	12	15
Pentachlorophenol	ND		64.0	67.4		ug/L		105	23 - 149	12	37
Phenanthrene	ND		32.0	30.5		ug/L		95	65 - 122	8	15
Phenol	ND		32.0	15.3		ug/L		48	16 - 120	14	34
Pyrene	ND		32.0	32.3		ug/L		101	58 - 128	9	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*109*		*41 - 120*

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

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 627362

Client Sample ID: BCC Area E MW-E05MSD_0522
Prep Type: Total/NA
Prep Batch: 627175

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*48 - 120*
2-Fluorophenol	*56*		*35 - 120*
Nitrobenzene-d5	*85*		*46 - 120*
Phenol-d5	*45*		*22 - 120*
p-Terphenyl-d14	*102*		*60 - 148*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-627038/1-A
Matrix: Water
Analysis Batch: 628125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/24/22 09:38	05/27/22 12:24	1
Antimony	ND		0.020	0.0068	mg/L		05/24/22 09:38	05/27/22 12:24	1
Arsenic	ND		0.015	0.0056	mg/L		05/24/22 09:38	05/27/22 12:24	1
Barium	ND		0.0020	0.00070	mg/L		05/24/22 09:38	05/27/22 12:24	1
Beryllium	ND		0.0020	0.00030	mg/L		05/24/22 09:38	05/27/22 12:24	1
Cadmium	ND		0.0020	0.00050	mg/L		05/24/22 09:38	05/27/22 12:24	1
Calcium	ND		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:24	1
Chromium	ND		0.0040	0.0010	mg/L		05/24/22 09:38	05/27/22 12:24	1
Cobalt	ND		0.0040	0.00063	mg/L		05/24/22 09:38	05/27/22 12:24	1
Copper	ND		0.010	0.0016	mg/L		05/24/22 09:38	05/27/22 12:24	1
Iron	ND		0.050	0.019	mg/L		05/24/22 09:38	05/27/22 12:24	1
Lead	ND		0.010	0.0030	mg/L		05/24/22 09:38	05/27/22 12:24	1
Magnesium	ND		0.20	0.043	mg/L		05/24/22 09:38	05/27/22 12:24	1
Manganese	ND		0.0030	0.00040	mg/L		05/24/22 09:38	05/27/22 12:24	1
Nickel	ND		0.010	0.0013	mg/L		05/24/22 09:38	05/27/22 12:24	1
Potassium	ND		0.50	0.10	mg/L		05/24/22 09:38	05/27/22 12:24	1
Selenium	ND		0.025	0.0087	mg/L		05/24/22 09:38	05/27/22 12:24	1
Silver	ND		0.0060	0.0017	mg/L		05/24/22 09:38	05/27/22 12:24	1
Sodium	ND		1.0	0.32	mg/L		05/24/22 09:38	05/27/22 12:24	1
Thallium	ND		0.020	0.010	mg/L		05/24/22 09:38	05/27/22 12:24	1
Vanadium	ND		0.0050	0.0015	mg/L		05/24/22 09:38	05/27/22 12:24	1
Zinc	ND		0.010	0.0015	mg/L		05/24/22 09:38	05/27/22 12:24	1

Lab Sample ID: LCS 480-627038/2-A
Matrix: Water
Analysis Batch: 628125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627038

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	0.216		mg/L		108	80 - 120
Arsenic	0.200	0.208		mg/L		104	80 - 120
Barium	0.200	0.209		mg/L		105	80 - 120
Beryllium	0.200	0.207		mg/L		103	80 - 120
Cadmium	0.200	0.202		mg/L		101	80 - 120
Calcium	10.0	10.32		mg/L		103	80 - 120
Chromium	0.200	0.207		mg/L		104	80 - 120

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

Lab Sample ID: LCS 480-627038/2-A
Matrix: Water
Analysis Batch: 628125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.200	0.201		mg/L		101	80 - 120
Copper	0.200	0.209		mg/L		104	80 - 120
Iron	10.0	10.29		mg/L		103	80 - 120
Lead	0.200	0.202		mg/L		101	80 - 120
Magnesium	10.0	10.81		mg/L		108	80 - 120
Manganese	0.200	0.216		mg/L		108	80 - 120
Nickel	0.200	0.199		mg/L		99	80 - 120
Potassium	10.0	10.24		mg/L		102	80 - 120
Selenium	0.200	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Sodium	10.0	10.08		mg/L		101	80 - 120
Thallium	0.200	0.210		mg/L		105	80 - 120
Vanadium	0.200	0.204		mg/L		102	80 - 120
Zinc	0.200	0.210		mg/L		105	80 - 120

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 628125

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA
Prep Batch: 627038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.079	J	10.0	10.97		mg/L		109	75 - 125
Antimony	ND		0.200	0.231		mg/L		115	75 - 125
Arsenic	ND		0.200	0.227		mg/L		113	75 - 125
Barium	0.030		0.200	0.250		mg/L		110	75 - 125
Beryllium	ND		0.200	0.221		mg/L		110	75 - 125
Cadmium	0.013		0.200	0.229		mg/L		108	75 - 125
Calcium	151		10.0	165.0	4	mg/L		135	75 - 125
Chromium	ND		0.200	0.216		mg/L		108	75 - 125
Cobalt	0.0073		0.200	0.222		mg/L		107	75 - 125
Copper	0.14		0.200	0.360		mg/L		111	75 - 125
Iron	0.11		10.0	10.89		mg/L		108	75 - 125
Lead	0.018		0.200	0.235		mg/L		109	75 - 125
Magnesium	17.1		10.0	28.37		mg/L		112	75 - 125
Manganese	0.23		0.200	0.454		mg/L		113	75 - 125
Nickel	0.015		0.200	0.224		mg/L		105	75 - 125
Potassium	4.0		10.0	15.20		mg/L		112	75 - 125
Selenium	ND		0.200	0.218		mg/L		109	75 - 125
Silver	ND		0.0500	0.0518		mg/L		104	75 - 125
Sodium	27.3		10.0	38.91		mg/L		116	75 - 125
Thallium	ND		0.200	0.224		mg/L		112	75 - 125
Vanadium	ND		0.200	0.214		mg/L		107	75 - 125
Zinc	2.8		0.200	3.11	4	mg/L		140	75 - 125

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 628125

Client Sample ID: BCC Area E MW-E05MSD_0522
Prep Type: Total/NA
Prep Batch: 627038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.079	J	10.0	10.57		mg/L		105	75 - 125	4	20

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

Lab Sample ID: 480-198091-1 MSD
Matrix: Ground Water
Analysis Batch: 628125

Client Sample ID: BCC Area E MW-E05MSD_0522
Prep Type: Total/NA
Prep Batch: 627038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.200	0.224		mg/L		112	75 - 125	3	20
Arsenic	ND		0.200	0.218		mg/L		109	75 - 125	4	20
Barium	0.030		0.200	0.243		mg/L		106	75 - 125	3	20
Beryllium	ND		0.200	0.213		mg/L		106	75 - 125	4	20
Cadmium	0.013		0.200	0.224		mg/L		105	75 - 125	2	20
Calcium	151		10.0	164.6	4	mg/L		132	75 - 125	0	20
Chromium	ND		0.200	0.209		mg/L		104	75 - 125	4	20
Cobalt	0.0073		0.200	0.215		mg/L		104	75 - 125	3	20
Copper	0.14		0.200	0.352		mg/L		107	75 - 125	2	20
Iron	0.11		10.0	10.50		mg/L		104	75 - 125	4	20
Lead	0.018		0.200	0.224		mg/L		103	75 - 125	5	20
Magnesium	17.1		10.0	27.91		mg/L		108	75 - 125	2	20
Manganese	0.23		0.200	0.438		mg/L		105	75 - 125	4	20
Nickel	0.015		0.200	0.219		mg/L		102	75 - 125	2	20
Potassium	4.0		10.0	14.73		mg/L		107	75 - 125	3	20
Selenium	ND		0.200	0.208		mg/L		104	75 - 125	5	20
Silver	ND		0.0500	0.0500		mg/L		100	75 - 125	4	20
Sodium	27.3		10.0	38.29		mg/L		110	75 - 125	2	20
Thallium	ND		0.200	0.215		mg/L		108	75 - 125	4	20
Vanadium	ND		0.200	0.207		mg/L		104	75 - 125	3	20
Zinc	2.8		0.200	3.07	4	mg/L		122	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-626937/1-A
Matrix: Water
Analysis Batch: 627131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		05/22/22 12:00	05/22/22 14:31	1

Lab Sample ID: LCS 480-626937/2-A
Matrix: Water
Analysis Batch: 627131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626937

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00667	0.00708		mg/L		106	80 - 120		

Lab Sample ID: 480-198091-1 MS
Matrix: Ground Water
Analysis Batch: 627131

Client Sample ID: BCC Area E MW-E05MS_0522
Prep Type: Total/NA
Prep Batch: 626937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00667	0.00722		mg/L		108	80 - 120		

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-198091-1 MSD
Client Sample ID: BCC Area E MW-E05MSD_0522
Matrix: Ground Water
Prep Type: Total/NA
Analysis Batch: 627131
Prep Batch: 626937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00723		mg/L		108	80 - 120	0	20

GC/MS VOA

Analysis Batch: 627933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	8260C	
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	8260C	
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	8260C	
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	8260C	
480-198091-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-627933/7	Method Blank	Total/NA	Water	8260C	
LCS 480-627933/5	Lab Control Sample	Total/NA	Water	8260C	
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	8260C	
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 627175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	3510C	
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	3510C	
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	3510C	
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	3510C	
MB 480-627175/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627175/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-627175/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	3510C	
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	3510C	

Analysis Batch: 627362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	8270D	627175
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	8270D	627175
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	8270D	627175
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	8270D	627175
MB 480-627175/1-A	Method Blank	Total/NA	Water	8270D	627175
LCS 480-627175/2-A	Lab Control Sample	Total/NA	Water	8270D	627175
LCSD 480-627175/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	627175
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	8270D	627175
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	8270D	627175

Metals

Prep Batch: 626937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	7470A	
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	7470A	
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	7470A	
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	7470A	
MB 480-626937/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-626937/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	7470A	
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	7470A	

Prep Batch: 627038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	3005A	

Metals (Continued)

Prep Batch: 627038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	3005A	
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	3005A	
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	3005A	
MB 480-627038/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-627038/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	3005A	
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	3005A	

Analysis Batch: 627131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	7470A	626937
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	7470A	626937
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	7470A	626937
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	7470A	626937
MB 480-626937/1-A	Method Blank	Total/NA	Water	7470A	626937
LCS 480-626937/2-A	Lab Control Sample	Total/NA	Water	7470A	626937
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	7470A	626937
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	7470A	626937

Analysis Batch: 628125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198091-1	BCC Area E MW-E05_0522	Total/NA	Ground Water	6010C	627038
480-198091-2	BCC Area E RFI-29_0522	Total/NA	Ground Water	6010C	627038
480-198091-3	BCC Area E RFI-33_0522	Total/NA	Ground Water	6010C	627038
480-198091-4	BCC Area E MW-E05D_0522	Total/NA	Ground Water	6010C	627038
MB 480-627038/1-A	Method Blank	Total/NA	Water	6010C	627038
LCS 480-627038/2-A	Lab Control Sample	Total/NA	Water	6010C	627038
480-198091-1 MS	BCC Area E MW-E05MS_0522	Total/NA	Ground Water	6010C	627038
480-198091-1 MSD	BCC Area E MW-E05MSD_0522	Total/NA	Ground Water	6010C	627038

Client Sample ID: BCC Area E MW-E05_0522
Lab Sample ID: 480-198091-1

Date Collected: 05/18/22 10:40
Matrix: Ground Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	627933	05/27/22 14:06	AXK	TAL BUF
Total/NA	Prep	3510C			627175	05/23/22 09:03	JMP	TAL BUF
Total/NA	Analysis	8270D		1	627362	05/24/22 14:53	RJS	TAL BUF
Total/NA	Prep	3005A			627038	05/24/22 09:38	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628125	05/27/22 12:32	BMB	TAL BUF
Total/NA	Prep	7470A			626937	05/22/22 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	627131	05/22/22 14:49	BMB	TAL BUF

Client Sample ID: BCC Area E RFI-29_0522
Lab Sample ID: 480-198091-2

Date Collected: 05/18/22 13:10
Matrix: Ground Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	627933	05/27/22 14:29	AXK	TAL BUF
Total/NA	Prep	3510C			627175	05/23/22 09:03	JMP	TAL BUF
Total/NA	Analysis	8270D		1	627362	05/24/22 15:22	RJS	TAL BUF
Total/NA	Prep	3005A			627038	05/24/22 09:38	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628125	05/27/22 12:51	BMB	TAL BUF
Total/NA	Prep	7470A			626937	05/22/22 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	627131	05/22/22 14:55	BMB	TAL BUF

Client Sample ID: BCC Area E RFI-33_0522
Lab Sample ID: 480-198091-3

Date Collected: 05/18/22 09:00
Matrix: Ground Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	627933	05/27/22 14:52	AXK	TAL BUF
Total/NA	Prep	3510C			627175	05/23/22 09:03	JMP	TAL BUF
Total/NA	Analysis	8270D		1	627362	05/24/22 15:50	RJS	TAL BUF
Total/NA	Prep	3005A			627038	05/24/22 09:38	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628125	05/27/22 12:55	BMB	TAL BUF
Total/NA	Prep	7470A			626937	05/22/22 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	627131	05/22/22 14:56	BMB	TAL BUF

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4

Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	627933	05/27/22 15:15	AXK	TAL BUF
Total/NA	Prep	3510C			627175	05/23/22 09:03	JMP	TAL BUF
Total/NA	Analysis	8270D		1	627362	05/24/22 16:19	RJS	TAL BUF
Total/NA	Prep	3005A			627038	05/24/22 09:38	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628125	05/27/22 13:10	BMB	TAL BUF

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Client Sample ID: BCC Area E MW-E05D_0522
Lab Sample ID: 480-198091-4

Date Collected: 05/18/22 10:50
Matrix: Ground Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			626937	05/22/22 12:00	BMB	TAL BUF
Total/NA	Analysis	7470A		1	627131	05/22/22 14:57	BMB	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-198091-5

Date Collected: 05/18/22 00:00
Matrix: Water
Date Received: 05/18/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	627933	05/27/22 15:38	AXK	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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

Method Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-198091-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198091-1	BCC Area E MW-E05_0522	Ground Water	05/18/22 10:40	05/18/22 15:30
480-198091-2	BCC Area E RFI-29_0522	Ground Water	05/18/22 13:10	05/18/22 15:30
480-198091-3	BCC Area E RFI-33_0522	Ground Water	05/18/22 09:00	05/18/22 15:30
480-198091-4	BCC Area E MW-E05D_0522	Ground Water	05/18/22 10:50	05/18/22 15:30
480-198091-5	TRIP BLANK	Water	05/18/22 00:00	05/18/22 15:30

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Tom Wagner	Lab PM: Schove, John R	Carrier Tracking No(s): OSC	COC No: 480-158667-6267.1
Client Contact: Kirsten Colligan	Phone: 716-912-9926	E-Mail: John.Schove@Eurofinset.com	State of Origin: N.Y.	Page: Page 1 of 1
Company: Ontario Specialty Contracting, Inc.	PWSID:			Job #:
Address: ~~333 Ganson St~~ 140 Lee St.	Due Date Requested:			
City: Buffalo	TAT Requested (days): 2 WEEKS			
State, Zip: NY, ~~14203~~ 14210	Compliance Project: Δ Yes Δ No			
Phone: 716-856-3333	PO #: ~~[redacted]~~ 65211			
Email: kcolligan@oscinc.com	WO #:			
Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Area	Project #: 48003159			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

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 - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B, 7470A	8260B - TCL 4.2 list	8270C - TCL SVOA - 4.2 list + aniline	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N		
BCC Area E MW-E05 _0522	5/18-22	1040	6	Water			1	3	2		
BCC Area E RFI-29 _0522		1110	6	Water			1	3	2		
~~BCC Area E RFI-32 _0522~~			6	Water			1	3	2		
BCC Area E RFI-33 _0522		9:00	6	Water			1	3	2		
BCC Area E MW-E05D _0522		1050	6	Water			1	3	2		
BCC Area E MW-E05 MS _0522		1100	6	Water			1	3	2		
BCC Area E MW-E05MSD _0522		1110	6	Water			1	3	2		
TRIP BLANK				Water			1	3	2		

480-198091 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Tom Wagner	Date/Time: 5-18-22 15:30	Company: OSC	Received by: [signature]
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1.8 #1 ICE

Received by: Date/Time: 5/18/22 1530 Company: TA

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-198091-1

Login Number: 198091

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

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	

Appendix B – Sample Collection Logs

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 2/16-22

BUFFALO RIVER STADIA ROD READING: 3.1

	AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)
22.1	A	ICM-101	12.61		
28.4	A	RFI-26	14.6		
32.2	A	*W6-R-R	15.3		
16.0	B	RFI-18	7.84		
19.5	B	RFI-27	5.96		
17.5	B	RFI-30	9.1		
17	B	RFI-28	6.57		
9.8	B	*PS-09	3.91		
47	B	*RFI-19D	14.02		
	C	[illegible]			
15.8	C	MW-C04	5.28		
	C	[illegible]			
8.6	C	PS-05A	5.09		
	C	[illegible]			
12.3	C	RFI-20	5.96		
15.2	C	RFI-31	6.61		
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
	E	[illegible]			
15.6	E	MW-E05	5.08		
	E	[illegible]			
	E	[illegible]			
15.2	E	RFI-29	5.18		
	E	[illegible]			
9.6	E	RFI-33	3.32		
	E	[illegible]			

* Monitoring wells depth to water measurement collected quarterly only without analytical collection

** NAPL wells depth to water measurement collected quarterly and analytical collected annually

1st Q '22

#16011

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	FOR BUFFALO LOADER SITE	SAMPLE EVENT	1st Q-R 2022
WELL ID	RFI-31	SAMPLE TIME	920
TIME	START 820 END 1020	JOB NUMBER	16017 OMM
SAMPLE DATE	3-17-22	SAMPLER	GD

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	6.61	FT
TOTAL DEPTH	14	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.25

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 14.42

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
840		8.20	9.71	8.89	11.59	14.65	43.9	-22	
855		9.36	9.30	8.90	11.62	13.04	41.1	-24	
910		10.85	9.82	8.90	11.61	12.48	41.0	-24	D-MS-MSD
									930
									940
									950

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD
TAL VOCs	8260	(4° C) (HCl) HNO_3 Other
TAL SVOCs	8270	(4° C) HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

#16011

2022 1st Q "E"

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	FOR. BUFFALO LOADING SITE	SAMPLE EVENT	1st Q. 22
WELL ID	MW-E05	SAMPLE TIME	1035
TIME	START 830 END 1020	JOB NUMBER	16017 OMM
		SAMPLE DATE	3-16-22
		SAMPLER	TW

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.08	FT
TOTAL DEPTH	15.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.78

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 20.53

NAPL REMOVAL METHOD

- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND)	ND	FT
NAPL VOL. REMOVED		GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:32		5.04	7.64	0.968	6.97	3.68	31.0	123	
9:50		5.04	7.13	0.968	6.90	2.16	31.0	116	
10:08		5.04	6.94	0.968	6.86	3.02	23.4	122	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES [X] NO [ ]

NUMBER OF GALLONS GENERATED [ ]

COMMENTS

YSI did not have turbidity

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

#16011

1st Q '22

E

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: For Buffalo Lead Site

SAMPLE EVENT: 1st Q '22

ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RFI-29

SAMPLE TIME: 1130

SAMPLE DATE: 3-16-22

TIME START: 1040 END: 1150

JOB NUMBER: 16017 OMM

SAMPLER: TN

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.18	FT
TOTAL DEPTH	15.2	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.70

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 19.61

NAPL REMOVAL METHOD

- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
1055		5.26	7.23	2.24	7.45	2.33	6.0	-72	
1105		6.30	7.17	2.25	7.48	2.25	7.3	-35	
1123		6.32	7.23	2.26	7.50	1.91	5.2	-18	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

#16011

1ST Q '22 (E)

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	FOR BUFFALO LOADING SITE	SAMPLE EVENT	1ST Q '22
WELL ID	RFI-33	SAMPLE TIME	1235
TIME	START 1150 END 1335	JOB NUMBER	16017 OMM
		SAMPLE DATE	3-16-22
		SAMPLER	TD

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	3.32	FT
TOTAL DEPTH	9.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.06

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 minutes to pump 12:23

NAPL REMOVAL METHOD

- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
1150		3.1	6.71	0.771	7.44	4.35	14.1	75	
1205		3.12	6.54	0.773	7.43	3.35	16.4	78	
1225		3.40	6.60	0.780	7.41	2.64	13.2	80	
									1-GAL-4.5D
									1245
									1255
									1305

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinsate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

2nd QTR 2022

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 5/3-22

BUFFALO RIVER STADIA ROD READING: 2.7

	AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)	
21.1	A	ICM-101	1200			1 ANNUAL
38.4	A	RFI-26	14.09			
32.2	A	*W6-R-R	14.85			
16.0	B	RFI-18	6.69			1
19.8	B	RFI-27	5,53			
17.5	B	RFI-30	8.95			1 ANNUAL
17	B	RFI-28	7,28			
9.8	B	*PS-09	4.53			
47	B	*RFI-19D	14.89			1
	C	~~MW-C01~~				
15.8	C	MW-C04	5.49			1 QTRLY
	C	~~PS-04A~~				
8.6	C	PS-05A	5.63			
	C	~~PS-06~~				
12.3	C	RFI-20	6.51			
15.2	C	RFI-31	6.29			1
	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~~				QTRL
	E	~~R-10~~				
	E	~~R-11~~				
	E	~~MW-E04A~~				
	E	~~MW-E03~~				
15.6	E	MW-E05	5.02			1
	E	~~MW-E07~~				
	E	~~RFI-17~~				
15.2	E	RFI-29	5,28			
	E	~~RFI-32~~				1
9.6	E	RFI-33	2.76			
	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

1

#16011

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT: FOR BUFFALO LOCKS SITE | SAMPLE EVENT: 2nd Qtr 2022 (S) | SAMPLE DATE: 5-18-22

WELL ID: RFI-33 | SAMPLE TIME: 9:00

TIME START: 8:15 END: 9:15 | JOB NUMBER: 16017 OMM | SAMPLER: TW

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	2.76	FT
TOTAL DEPTH	9.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.16

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.28 gal/min (flow rate) = 0 minutes to pump 13.38

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
830		5.35	11.35	0.890	7.41	11.41	26.1	172	
843		5.82	11.46	0.811	7.36	12.34	19.8	163	
851		6.32	11.18	0.874	7.26	11.69	15.6	162	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD
TAL VOCs	8260	(4° C) (HCl) HNO_3 Other
TAL SVOCs	8270	(4° C) HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

#16011

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	FOR. BUFFALO LOCO RACE SITE	SAMPLE EVENT	2nd QTR 22 (E)
WELL ID	MW-E05	SAMPLE TIME	1040
TIME	START 930 END 1150	JOB NUMBER	16017 OMM
SAMPLE DATE		SAMPLER	JW

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.02	FT
TOTAL DEPTH	15.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 2.65

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 30.57

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
944		6.05	10.65	1.02	6.71	3.61	12.3	206	
1010		6.28	10.40	1.02	6.64	3.26	10.9	208	
1036		6.80	10.71	1.01	6.67	7.86	9.1	209	D-MS-MSD
									1050
									1100
									1110

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD
TAL VOCs	8260	(4° C) (HCl) HNO_3 Other
TAL SVOCs	8270	(4° C) HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other
		4° C HCl HNO_3 Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or decorned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

#16011

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	FOR BUFFALO LOCO R SITE	SAMPLE EVENT	2nd QTR 22 (A)
WELL ID	RFI-29	SAMPLE TIME	108
TIME START	1205 END 115	JOB NUMBER	16017 OMM
SAMPLE DATE	3-18-22	SAMPLER	TW

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.28	FT
TOTAL DEPTH	15.2	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 2.58

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 29.76

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL / NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
1217		6.25	11.71	1.88	7.54	7.22	13.3	5	
1231		6.53	11.27	1.87	7.51	9.85	8.5	-160	
1251		6.65	11.14	1.87	7.51	9.43	6.0	-188	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED:

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

3RD QTR 2022

BUFFALO COLOR DEPTH TO WATER MEASUREMENTS

DATE: 8-16-22

BUFFALO RIVER STADIA ROD READING: 3.4

	AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)
22.1	A	ICM-101	12.42		
38.4	A	RFI-26	14.29		
32.5	A	*W6-R-R	15.28		
16.2	B	RFI-18	7.74		
19.9	B	RFI-27	6.39		
17.8	B	RFI-30	9.66		
17	B	RFI-28	9.79		
8.5	B	*PS-09	7.23		
43.2	B	*RFI-19D	14.77		
	~~C~~	~~MW-C01~~			
16.2	C	MW-C04	5.93		
	~~C~~	~~PS-04A~~			
10.0	C	PS-05A	6.68		
	~~C~~	~~PS-06~~			
15.2	C	RFI-20	7.18		
15.3	C	RFI-31	6.55		
	~~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	5.95		
	~~E~~	~~MW-E07~~			
	~~E~~	~~RFI-17~~			
15.2	E	RFI-29	5.49		
15.3	E	RFI-32A	5.63		
9.7	E	RFI-33	3.58		
	~~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

E

FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	Buffalo Color Corporation	SAMPLE ID	3RD QTR '22'	SAMPLE DATE	8-17-22
WELL ID	RFI- 32 A	SAMPLE EVENT	AREA E		
TIME	START 0925 END 1035	JOB NUMBER	16011	SAMPLER	Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.63	FT
WELL DEPTH	15.3	FT
WELL DIAMETER	2.0	IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES [X] NO [ ]

TIME OF SAMPLE COLLECTION: 10:20

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

9.67 (water column) x 0.17 (conversion) = 1.64 (1 purge volume)

3 purge volumes = 4.92 gallons

4.92 (gallons) x 0.26 gal/min (flow rate) = 18.92 minutes to pump

NAPL REMOVAL METHOD
- [ ] BAILER
- [X] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

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
0945		6.43	150	18.22	2.90	6.74	16.94	10.65	14	
0950		8.68	"	16.86	2.39	6.60	15.36	10.55	59	
0955		9.19	"	17.20	2.35	6.56	15.14	10.67	68	
1000		9.80	"	17.75	2.33	6.53	14.63	10.69	53	
1005		10.80	"	18.83	2.33	6.54	13.17	10.73	41	
1010		10.80	"	19.18	2.31	6.56	12.29	10.74	36	
1015		10.80	"	18.15	2.34	6.58	11.52	10.73	43	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [ ] YSI 556 MPS W/ FLOW CELL
- [X] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [X] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

	To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	[X]	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	[X]	VOC
	[X]	SVOC	CLP	4 DEG. C	2 X 1 LAG	[X]	SVOC
	[X]	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	[X]	TAL INORGANICS
	[ ]	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	[ ]	TAL INORGANICS (FILTERED)
DUPLICATE	[ ]	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)
MS	[ ]	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)
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 [X] NO [ ]

NUMBER OF GALLONS GENERATED: 2

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE:

COMMENTS

MS MSD Taken

DUP Taken Time -12:00

Area E D

E

FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC
ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	Buffalo Color Corporation	SAMPLE ID	3RD QTR '22'	SAMPLE DATE	8-17-22
WELL ID	MW-E05	SAMPLE EVENT	AREA E		
TIME	START 11:15 END 11:50	JOB NUMBER	16011	SAMPLER	Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.95	FT
WELL DEPTH	15.6	FT
WELL DIAMETER	2.0	IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES [ ] NO [ ]

TIME OF SAMPLE COLLECTION: 11:35

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

9.65 (water column) x 0.17 (conversion) = 1.64 (1 purge volume)

3 purge volumes = 4.92 gallons

4.92 (gallons) x 0.26 gal/min (flow rate) = 18.92 minutes to pump

NAPL REMOVAL METHOD
- [ ] BAILER
- [X] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL REMOVED: GAL

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
11:15		8.59	150	23.40	0.925	6.99	7.57	10.71	176	
11:20		8.97	11	22.02	0.950	6.59	6.85	10.76	188	
11:25		9.38	11	21.40	0.970	6.45	8.50	10.79	190	
11:30		9.69	11	21.62	0.971	6.42	8.82	10.74	184	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [ ] YSI 556 MPS W/ FLOW CELL
- [X] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [X] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

	To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	[X]	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	[X]	VOC
	[X]	SVOC	CLP	4 DEG. C	2 X 1 LAG	[X]	SVOC
	[X]	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	[X]	TAL INORGANICS
	[ ]	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	[ ]	TAL INORGANICS (FILTERED)
DUPLICATE	[ ]	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)
MS	[ ]	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)
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 [X] NO [ ]

NUMBER OF GALLONS GENERATED: 2

COMMENTS

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: [signature]

E

FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

PROJECT	Buffalo Color Corporation	SAMPLE ID	3RD QTR '22'	SAMPLE DATE	8.17.22
WELL ID	RFI- 33	SAMPLE EVENT	AREA E		
TIME	START 01:05 END 01:35	JOB NUMBER	16011	SAMPLER	Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	3.58	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
4" = 0.66 gal/foot water
6" = 1.5 gal/foot water

6.12 (water column) x 0.17 (conversion) = 1.04 (1 purge volume)

3 purge volumes = 3.12 gallons

NAPL REMOVAL METHOD
- [ ] BAILER
- [X] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES [X] NO [ ]

3.12 gallons x 0.26 gal/min (flow rate) = 12.00 minutes to pump

TIME OF SAMPLE COLLECTION: 01:25

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
01:05		4.12	150	21.64	0.978	7.15	5.61	978	-27	
01:10		5.45	"	21.17	0.905	7.10	5.61	902	-21	
01:15		5.81	"	21.25	0.991	7.05	6.01	690	-21	
01:20		6.12	"	21.39	0.865	7.02	6.09	454	-19	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [ ] YSI 556 MPS W/ FLOW CELL
- [X] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [X] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

	To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X	VOC
	X	SVOC	CLP	4 DEG. C	2 X 1 LAG	X	SVOC
	X	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X	TAL INORGANICS
		TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP		TAL INORGANICS (FILTERED)
DUPLICATE		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)
MS		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)
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 [X] NO [ ]

NUMBER OF GALLONS GENERATED: 2

COMMENTS

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE:

E

FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC
ONTARIO SPECIALTY CONTRACTING, INC.

PROJECT	Buffalo Color Corporation	SAMPLE ID	3RD QTR '22'	SAMPLE DATE	8-17-22
WELL ID	RFI-29	SAMPLE EVENT	AREA E		
TIME	START 12:15 END 12:50	JOB NUMBER	16011	SAMPLER	Taylor Kunzelman

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	5.49	FT
WELL DEPTH	15.2	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

9.71 (water column) x 0.17 (conversion) = 1.65 (1 purge volume)

3 purge volumes = 4.95 gallons

4.95 gallons x 0.26 gal/min (flow rate) = 19.03 minutes to pump

NAPL REMOVAL METHOD
- [ ] BAILER
- [X] 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: 12:35

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
12:15		6.21	150	21.22	1.64	7.52	9.09	9.5	-186	
12:20		6.43	"	21.28	1.62	7.52	8.56	9.7	-194	
12:25		6.42	"	21.43	1.61	7.51	8.96	7.7	-205	
12:30		6.37	"	21.37	1.62	7.50	8.65	7.7	-203	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] WAILER
- [ ] SIMCO BLADDER
- [X] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [X] SILICONE
- [X] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [ ] YSI 556 MPS W/ FLOW CELL
- [X] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [X] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

To Be Collected

			METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X	VOC
	X	SVOC	CLP	4 DEG. C	2 X 1 LAG	X	SVOC
	X	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X	TAL INORGANICS
		TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP		TAL INORGANICS (FILTERED)
DUPLICATE		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)
MS		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)
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 [X] NO [ ]

NUMBER OF GALLONS GENERATED: 2

COMMENTS

NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: Taylor Kunzelman

4TH Q
2021

BUFFALO COLOR DEPTH TO WATER MEASURI MENTS

DATE: 10-25-2021

BUFFALO RIVER STADIA ROD READING:

	AREA	WELL ID	DEPTH TO WATER (FT)	STICKUP TO CASING HEIGHT DIFFERENTIAL	DEPTH TO NAPL LAYER (FT)
22.1	A	ICM-101	11.84		
38.4	A	RFI-26	14.05		
32.2	A	*W6-R-R	15.05		
16.0	B	RFI-18	7.88		
19.8	B	RFI-27	5.86		
17.5	B	RFI-30	3.64		
17	B	RFI-28	7.0		
9.8	B	*PS-09	3.78		
47	B	*RFI-19D	13.77		
	C	[redacted]			
14	C	MW-C04	5.14		
	C	[redacted]			
8	C	PS-05A	4.36		
	C	[redacted]			
12.3	C	RFI-20	5.55		
14	C	RFI-31	6.49		
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
	E	[redacted]			
15.6	E	MW-E05	4.7		
	E	[redacted]			
	E	[redacted]			
15.2	E	RFI-29	4.97		
	E	[redacted]			
9.6	E	RFI-33	.06		
	E	[redacted]			

* Monitoring wells depth to water measurement collected quarterly only without analytical collection

** NAPL wells depth to water measurement collected quarterly and analytical collected annually

FIELD DATA RECORD - GROUNDWATER SAMPLING

E

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT: 16011 R.C.
SAMPLE EVENT: 4TH 21
SAMPLE DATE: 11-9-21
WELL ID: MW-E05
SAMPLE TIME: 905
TIME START: 800 END: 915
JOB NUMBER: 16011
SAMPLER: JW

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	4.7	FT
TOTAL DEPTH	15.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.85

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.25 gal/min (flow rate) = 0 (minutes to pump) 21.34

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ASSIGNMENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
814		5.50	15.93	0.956	7.14	4.34	2.5	172	
834		5.6	15.80	0.986	6.80	1.58	0.0	187	
855		5.6	15.70	0.983	6.73	1.60	1.3	189	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-69 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL GAUGE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]
NUMBER OF GALLONS GENERATED:

NOTES
All equipment used either dedicated or decontaminated prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

COMMENTS
YSI did not have turbidity

FIELD DATA RECORD - GROUNDWATER SAMPLING

(E)

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT: 16011 B.C.
SAMPLE EVENT: 4TH '21
WELL ID: RFI-33
SAMPLE TIME: 10 20
TIME START: 925 END: 1120
JOB NUMBER: 16011
SAMPLE DATE: 11-9-21
SAMPLER: TD

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	.06	FT
TOTAL DEPTH	9.6	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

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

0.00 water column x 0.17 conversion = 0.00 1 purge volume 1.53

3 purge volumes = 0.00 gallons

0.00 gallons ÷ 0.20 gal/min flow rate = 0 minutes to pump 17.65

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
933		4.73	15.93	1.31	7.30	7.77	25.6	152	
934		5.62	16.03	1.32	7.23	7.25	27.4	152	
1010		6.48	16.02	1.33	7.18	7.06	18.3	152	Δ -MS-MSD
									1030
									1040
									1050

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] GRUNDFOS BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-50 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4°C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4°C)	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other
		4°C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [X] NO [ ]
NUMBER OF GALLONS GENERATED: [ ]

NOTES
All equipment used either dedicated or decontmed prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

COMMENTS
YSI did not have turbidity

FIELD DATA RECORD - GROUNDWATER SAMPLING

(E)

ONTARIO SPECIALTY CONTRACTING, INC

PROJECT	16011 B.C.	SAMPLE EVENT	4th Q '21
WELL ID	RFI-29	SAMPLE TIME	1230
TIME START	1130 END 1245	JOB NUMBER	16011
		SAMPLE DATE	11-9-21
		SAMPLER	CD

WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER	4.97	FT
TOTAL DEPTH	15.2	FT
WELL DIAMETER	2.0	IN
WATER COLUMN	0.00	FT

WELL CONVERSION FACTORS
1" = 0.04 gal/foot water; 4" = 0.65 gal/foot water
2" = 0.17 gal/foot water; 6" = 1.5 gal/foot water

0.00 (water column) x 0.17 (conversion) = 0.00 (1 purge volume) 1.73

3 purge volumes = 0.00 gallons

0.00 (gallons) + 0.28 gal/min (flow rate) = 0 (minutes to pump) 19.96

NAPL REMOVAL METHOD
- [ ] BAILER
- [x] PERISTALTIC PUMP
- [ ] ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT
NAPL VOL. REMOVED: GAL

PURGE DATA

TIME	VOL. (gal)	DEPTH TO WATER (ft)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
1143		6.28	15.14	1.20	7.67	3.46	38.2	-207	
1209		6.81	16.16	1.19	7.61	0.94	37.0	-270	
1218		6.75	16.24	1.25	7.57	0.86	15.4	-242	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMCO BLADDER
- [x] GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING
- [x] SILICONE
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER

TYPE OF WATER QUALITY METER
- [x] YSI 556 MPS W/ FLOW CELL
- [ ] HORIBA U-69 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL GAUGE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS	METHOD	PRESERVATION METHOD			
TAL VOCs	8260	(4° C)	(HCl)	HNO_3	Other
TAL SVOCs	8270	(4° C)	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other
		4° C	HCl	HNO_3	Other

PURGE OBSERVATIONS

PURGE WATER CONTAMINATED: YES [X] NO [ ]

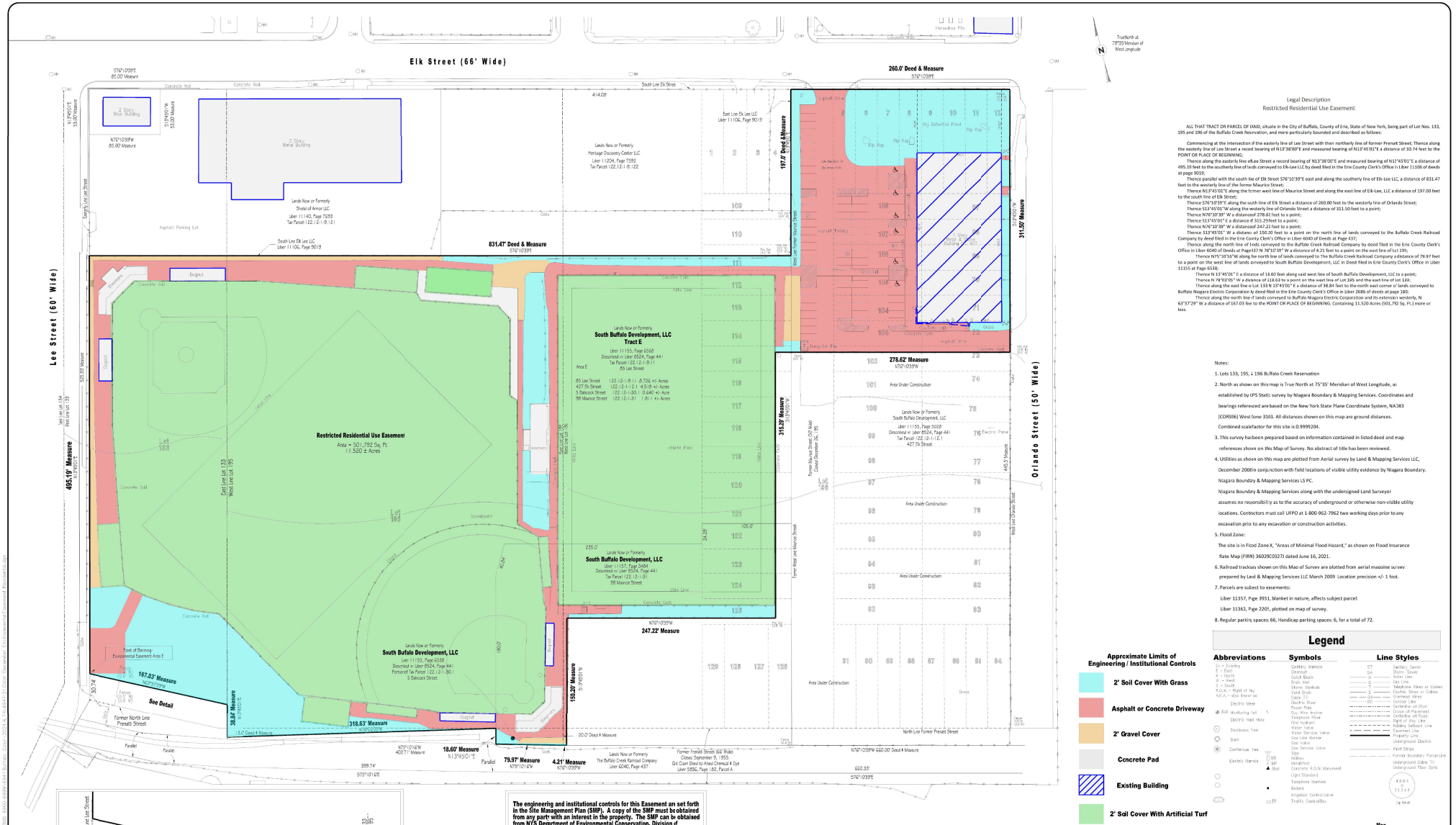
NUMBER OF GALLONS GENERATED:

NOTES
All equipment used either dedicated or decontaminated prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

COMMENTS
YSI did not have turbidity

Appendix C – Draft Updated Environmental Easement Survey



Legal Description
Restricted Residential Use Easement

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 ofLee 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 forme Maurice Street;

Thence N13°45'01"E along the fcrmer 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 distanceof 278.62 feet to a point;

Thence S13°45'01" E a distance of 315.29feet to a point;

Thence N76°10'39" W a distanceof 247.22 feet to a point;

Thence S13°45'01" W a distanc of 150.39 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 lnds conveyed to the Buffalo Creek Railroad Company by deed filed in the Erie County Clerk's Office in Liber 6040 of Deeds at Page437 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 he north line of lands conveyed to The Buffalo Creek Railroad Company adistance 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 76°02'05" W a distance of 318.63 to a point on the west line of Lot 195 and the east line of Lot 133;

Thence along the east line o Lot 133 N 13°45'01" E a distance of 38.84 feet to the north east corner o' lands conveyed to Buffalo Niagara Electric Corporation ly 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 fee to the POINT OR PLACE OF BEGINNING. Containing 11.520 Acres (501,792 Sq. Ft.) more or less.

Notes:

1. Lots 133, 195, ± 196 Buffalo Creek Reservation
2. North as shown on this map is True North at 75°35' Meridian of West Longitude, as established by CPS Static survey by Niagara Boundary & Mapping Services. Coordinates and bearings refereced are based on the New York State Plane Coordinate System, NA383 (CORS96) West1ove 3103. All distances shown on this map are ground distances. Combined scaiefactor for this site is 0.9999204.
3. This survey hasbeen prepared based on information contained in listed deed and map references shown on this Map of Survey. No abstract of title has been reviewed.
4. Utilities as shown on this map are plotted from Aerial survey by Land & Mapping Services LLC, December 2008in conjunction with field locations of visible utility evidence by Niagara Boundary. Niagara Boundary & Mapping Services LS PC. Niagara Boundary & Mapping Services along with the undersigned Land Surveyor assumes no resonsibility as to the accuracy of underground or otherwise non-visible utility locations. Contractors must call UFPO at 1-800-962-7962 two working days prior to any excavation prio to any excavation or construction activities.
5. Flood Zone: The site is in Flcod Zone X, "Areas of Minimal Flood Hazard," as shown on Flood Insurance Rate Map (FIRN) 36029C0327J dated June 16, 2021.
6. Railroad tracksas shown on this Mao of Survev are plotted from aerial maonine survev prepared by Land & Mapping Services LLC March 2009 Location precision +/- 1 foot.
7. Parcels are subject to easements: Liber 11357, Page 3951, blanket in nature, affects subject parcel. Liber 11362, Pge 2201, plotted on map of survey.
8. Regular parkin spaces: 66, Handicap parking spaces: 6, for a total of 72.

Legend

Approximate Limits of Engineering / Institutional Controls

- 2' Soil Cover With Grass
- Asphalt or Concrete Driveway
- 2' Gravel Cover
- Concrete Pad
- Existing Building
- 2' Soil Cover With Artificial Turf

Abbreviations

Ex = Existing
E = East
N = North
W = West
S = South
R.O.W. = Right of Way
A.K.A. = also known as
Elec. Meter
Bollard
Monitoring Well
Electric Hand Hole
Deciduous Tree
Bush
Coniferous Tree
Electric Manhole

Symbols

Sanitary Manhole
Cleanout
Catch Basin
Drain Inlet
Storm Manhole
Yard Drain
Cable TV
Electric Riser
Power Pole
Guy Wire Anchor
Telephone Riser
Fire Hydrant
Water Valve
Water Service Valve
Gas Line Marker
Gas Valve
Gas Service Valve
Sign
Mailbox
Metal Post
Concrete R.O.W. Monument
Light Standard
Telephone Manhole
Bollard
Irrigation Control Valve
Traffic Control Box

Line Styles

ST Sanitary Sewer
SA Storm Sewer
W Water Line
G Gas Line
T Telephone Wires or Cables
E Electric Wires or Cables
OHW Overhead Wires
CO Center Line
Centerline of Ditch
Cross of Pavement
Edge of Pavement
Right of Way Line
Building Setback Line
Easement Line
Property Line
Underground Electric
Point Of Use
Former Boundary Parcel Line
Underground Cable TV
Underground Fiber Optic

Tax Detail

The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained from any part with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233." or at derweb@gw.dec.state.ny.us

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 if Article 71 of the New York Environmental Conservtion Law.

The limits of Integrated Cover System engineering control are approximate and are subject to change pending final construction documentaton.

The Integrated Cover System engineering control are subject to charge pending future redevelopment of the site. A current as-built survey should be referenced for the documented limits of the Integrated Cover System.

ENGINEERING AND INSTITUTIONAL CONTROLS

- Integrated cover system consist of 1 foot of soil/asphalt pavement/concrete pavement/building slabs
- Vapor mitigation/vapor intrusion evaluations must be carried out in new or re-occupied structures and or site redevelopment.
- Use of groundwater in the entire Easement Area is restricted without water quality treatment as may be required by the New York State Department of Health.
- Future Intrusive activities must adhere to the Site Management Plan and associated Site Excavation Plan.
- Evaluation for potential vapor intrusion of any buildings is required.
- Agricultural use in the entire Easement Area is prohibited.

STATE OF NEW YORK · KENNETH LEE SLAUENBAUGH · LICENSED LAND SURVEYOR · 50349

SCALE BAR IN FEET

Niagara Boundary and Mapping Services

PO Box 1920
Lewiston, NY 14092
(716) 297-9594
E-MAIL
ken@niagaraboundary.com

ST. Side Note One	SECTION 10 / TOWNSHIP 13 / RANGE 8
City	Buffalo
COUNTY	Erie
STATE	New York
DATE	August 26, 2021
SCALE	1" = 50'
JOB NO.	6941-21
REVISIONS	

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECTED TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SAME.

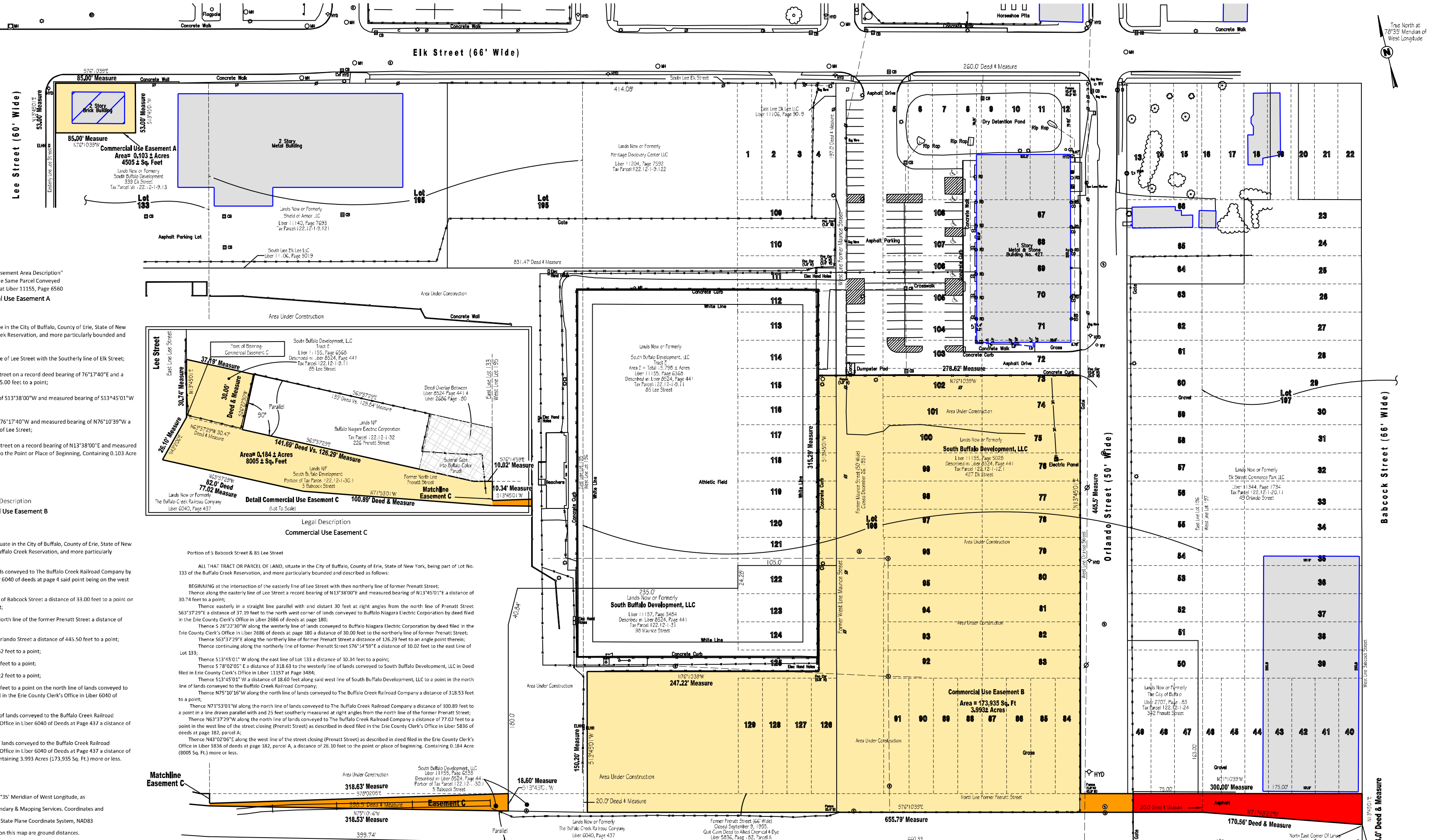
MAPS CREATED FROM THE ORIGINAL OF THIS SURVEY, EMBOSSED WITH THE SEAL AND SIGNATURE OF THE LAND SURVEYOR NAMED HEREON, SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

THIS SURVEY WAS PREPARED FOR THE PARTIES AND PURPOSE INDICATED HEREON. ANY EXTENSION OF THE USE BEYOND THE PARTIES OR PURPOSE INDICATED IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN RELEASE OR PERMISSION OF THE UNDERSIGNED.

USE OF THIS SURVEY IN CONJUCTION WITH AN ATTEMPT OF NO ADVANCE IS FORBIDDEN

Kenneth L. Slauenbaugh Lic. No. 50349

Map
Restricted Residential Use Easement of Property Owned by
South Buffalo Development, LLC
NYSDEC Site C915232



"Environmental Easement Area Description"
Intended to be the Same Parcel Conveyed
in Deed Recorded at Liber 11155, Page 6560

Commercial Use Easement A

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°17'40"E and a measured bearing of S76°10'39"E a distance of 85.00 feet to a point;

Thence southerly on a record deed bearing of S13°38'00"W and measured bearing of S13^45'01"W a distance of 53.00 feet to a point;

Thence westerly on a record deed bearing N76°17'40"W and measured bearing of N76°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°38'00"E and measured bearing of N13°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.

Legal Description

Commercial Use Easement B

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 Clerks Office in Liber 6040 of deeds at page 4 said point being on the west line of Babcock Street;

Thence N13°45'01"W 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°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°45'0 along the west line of Orlando Street a distance of 445.50 feet to a point;

Thence N76°10'39" W a distance of 278.62 feet to a point;

Thence S13°45'01"E 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"E a distance of 150.22 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°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.

Legal Description

Commercial Use Easement C

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.

Notes:

1. Lots 133, 196 & 197 Buffalo Creek Reservation
2. North as shown on this map is True North at 75°35' Meridian of West Longitude, as established by GPS Static survey by Niagara Boundary & Mapping Services. Coordinates and bearings referenced are based on the New York State Plane Coordinate System, NAD83 (CORS96) West Zone 3103. All distances shown on this map are ground distances. Combined scale factor for this site is 0.9999204.
3. This survey has been prepared based on information contained in listed deed and map references shown on this Map of Survey. No abstract of title has been reviewed.
4. Utilities as shown on this map are plotted from Aerial survey by Land & Mapping Services LLC, December 2008 in conjunction with field locations of visible utility evidence by Niagara Boundary. Niagara Boundary & Mapping Services LS PC. Niagara Boundary & Mapping Services along with the undersigned Land Surveyor assumes no responsibility as to the accuracy of underground or otherwise non-visible utility locations. Contractors must call UFPO at 1-800-962-7962 two working days prior to any excavation prior to any excavation or construction activities.
5. Flood Zone: The site is in Flood Zone X, "Areas of Minimal Flood Hazard," as shown on Flood Insurance Rate Map (FIRM) 36029C0327J dated June 16, 2021.
6. Parcels are subject to easements: Liber 11357, Page 3951, blanket in nature, affects subject parcel. Liber 11362, Page 2205, plotted on map of survey.
8. Regular parking spaces: 0, Handicap parking spaces: 0.

Legend

Abbreviations

Ex - Existing
E - East
N - North
W - West
S - South
R.O.W. - Right of Way
A.K.A. - also known as
Electric Meter
Well Monitoring Well
ELHH Electric Hand Hole
Deciduous Tree
Bush
Coniferous Tree
Electric Manhole
Signal Pole
Cable Manhole
Water Manhole
Traffic Manhole
Large Rock

Symbols

Sanitary Manhole
CO Cleanout
CB Catch Basin
DI Drain Inlet
Storm Manhole
YD Yard Drain
Cable TV
Electric Riser
Power Pole
Guy Wire Anchor
Telephone Riser
HYD Fire Hydrant
WV Water Valve
WSV Water Service Valve
Gas Line Marker
GV Gas Valve
GSV Gas Service Valve
Sign
MB Mailbox
MP Metal Post
Mon Concrete R.O.W. Monument
Light Standard
Telephone Manhole
Bollard
ICV Irrigation Control Valve
TR Traffic Control Box

Line Styles

ST Sanitary Sewer
SA Storm Sewer
W Water Line
G Gas Line
T Telephone Wires or Cables
E Electric Wires or Cables
OH Overhead Wires
100 Contour Line
Centerline of Ditch
Crown of Pavement
Centerline of Road
Right of Way Line
Building Setback Line
Easement Line
Property Line
UE Underground Electric
Paint Stripe
Former Boundary Parcel Line
UFC Underground Cable TV
UFO Underground Fiber Optic

NBMS 50349 Cap Detail

The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained from any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233." or at derweb@gw.dec.state.ny.us

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

The limits of Integrated Cover System engineering control are approximate and are subject to change pending final construction documentation.

The Integrated Cover System engineering control are subject to change pending future redevelopment of the site. A current as-built survey should be referenced for the documented limits of the Integrated Cover System.

SCALE BAR IN FEET (50' 0 50' 100')

ENGINEERING AND INSTITUTIONAL CONTROLS

- Integrated cover system consist of 1 foot of soil/asphalt pavement/concrete pavement/building slabs
- Vapor mitigation/vapor intrusion evaluations must be carried out in new or re-occupied structures and or site redevelopment.
- Use of groundwater in the entire Easement Area is restricted without water quality treatment as may be required by the New York State Department of Health.
- Future intrusive activities must adhere to the Site Management Plan and associated Site Excavation Plan.
- Evaluation for potential vapor intrusion of any buildings is required.
- Agricultural use in the entire Easement Area is prohibited.

Approximate Limits of Engineering / Institutional Controls

Existing Building
1' Soil Cover With Grass
Asphalt or Concrete Driveway
1' Gravel Cover

STATE OF NEW YORK · KENNETH LEE SLAUGENHOUPT · LICENSED LAND SURVEYOR · 50349

Map Showing Commercial Use Easement of Property Owned by South Buffalo Development, LLC

NYSDEC Site C915232

Niagara Boundary And Mapping Services
PO Box 1120
Lewiston, NY 14092
(716) 297-9584
E-Mail: lee@niagaraboundary.com

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

LOT	SECTION	TOWNSHIP	RANGE
See Note One		10	8

City	Buffalo
COUNTY	Erie
STATE	New York
DATE	August 26, 2021
SCALE	1" = 50'
JOB NO.	6941-21
REVISIONS	

"ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."

THIS SURVEY WAS PREPARED FOR THE PARTIES AND PURPOSE INDICATED HEREON. ANY EXTENSION OF THE USE BEYOND THE PARTIES OR PURPOSE INDICATED IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN RELEASE OR PERMISSION OF THE UNDERSIGNED.

USE OF THIS SURVEY IN CONJUCTION WITH AN AFFIDAVIT OF NO CHANGE IS FORBIDDEN

Kenneth L. Slaugenhoupt Lic. No. 50349

FILE: Z:\nbms (Nbsvr01) (Z)\ARCHIVE_PROJECTS\NBMS 6900-6999\6941 Buffalo Color\2021 ALTA\6941-21 Color January 2022 Environmental Easement Commercial.dgn

Appendix D – Photograph Log

Client Name: SBD	PRR Reporting Period – 2021-2122	Project: Buffalo Color Corporation Site Area E
Photo No. 1 Direction Photo Taken: Looking west Description: HSA Rig set up over RFI-32 replacement location. Abandoned well was near light pole to the right of the photo.		
Client Name: SBD	PRR Reporting Period – 2021-2122	Project: Buffalo Color Corporation Site Area E
Photo No. 2 Direction Photo Taken: Looking South Description: Advancing auger at RFI-32 replacement location (RFI-32AR).		

Client Name: SBD	PRR Reporting Period – 2021-2122	Project: Buffalo Color Corporation Site Area E
Photo No. 3 Direction Photo Taken: Looking south Description: RFI-32AR		
Client Name:	PRR Reporting Period – 2021-2122	Project: Buffalo Color Corporation Site Area E
Photo No. 4 Direction Photo Taken: Description:		

Appendix E – 2010 Final Engineering Report Drawing

DRAWN BY: NEL 4-2-2010 APPROVED BY: ESW 9-15-2011

Excavation Area E1
Shallow Area = 36,360.5 sf
Shallow Volume = 7,002.8 cy

Excavation Area E1
Deep Area = 14,169.8 sf
Deep Volume = 2,886.4 cy

Excavation Area E3
Area = 13,268.4 sf
Volume = 2702.5 cy

Excavation Area E2
Shallow Area = 7,233.1 sf
Shallow Volume = 734.6 cy

Excavation Area E2
Deep Area = 1,506.8 sf
Deep Volume = 279 cy

E1-RS22 E1-RB7 E1-RS6 E1-RS23 E1-RS21 E1-RS9 E1-RS2 E1-RB4 E1-RB6 E1-RB1 E1-RS20 E1-RS3 E1-RS25 E1-RS4 E1-RB3 E1-RS16 E1-RS5 E1-RS8 E1-RB5 E1-RS15 E1-RS13 E1-RS14 E1-RS26 E1-RS24

E3-RS12 E3-RS16 E3-RS17 E3-RS15 E3-RB7 E3-RB8 E3-RS3 E3-RB9 E3-RS13 E3-RS14 E3-RB10 E3-RB12 E3-RB11 E3-RS7 E3-RS9 E3-RS8

E2-RB1 E2-RS2 E2-RS3 E2-RS4

MW-E05 MW-E06 MW-E01 MW-E07 MW-E03 MW-E04

RFI-36 RFI-32 PS-12

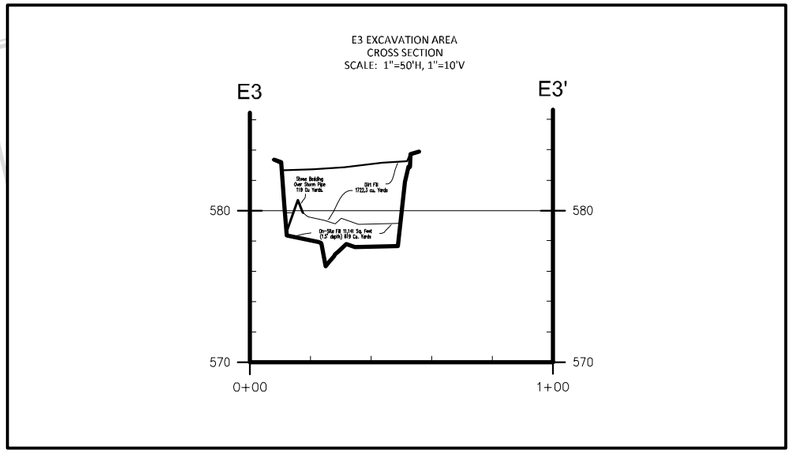
E1 E1' E2 E2' E3 E3'

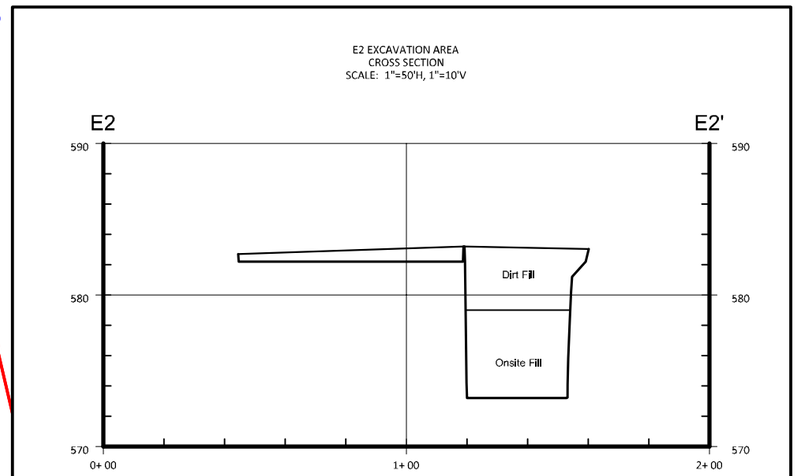
315

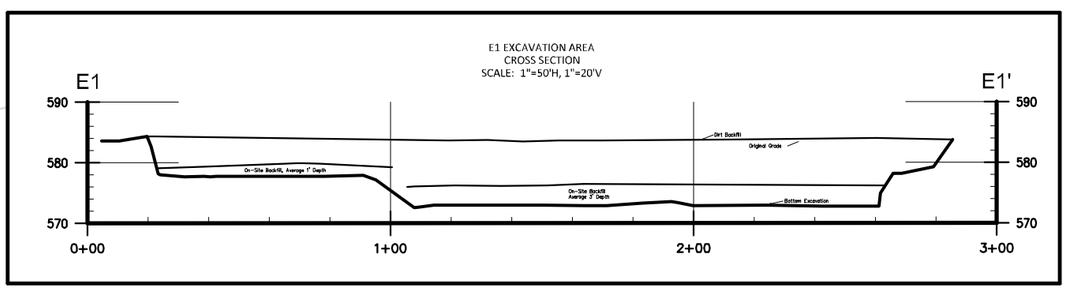
PRENATT

Area-E

APPROXIMATE LOCATION OF RFI-32AR REPLACEMENT INSTALLED IN 2022.







Legend:

MW-E01 Existing Monitoring Well Location

Property Boundary

E1-RS20 Record Sample Location

60 0 60
SCALE: 1"=60'

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

2

P:\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\Area E FER\Area E - Figure 2-3 - Remedial Excavation Locations C-S.dwg Mon, 14 Nov 2011 - 12:27pm nelagattuta

Appendix F – RFI-32AR Well Construction and Well Development Logs

Inventum Engineering
441 Carlisle Drive; Suite C
Herndon, VA 20170

BORING NO. RFI-32AR SHEET 1 OF 1

PROJECT Buffalo Color Corporation - Area E - C915232

LOCATION 100 Lee Street

DATUM

LOGGED BY Peter Zaffram

COORDINATES N 1,044,116.0 E 1,079,209.6

SURFACE ELEVATION

SAMPLE INFORMATION					STRATA	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION FEET
DEPTH FEET	LAB SAMPLE	BLOW COUNTS	Recovery %	PID (ppm)				
				0.2		Topsoil, loose, brown, some gravel (fine - coarse), low moisture		
				7.1		Silty Clay, brown mottled, soft, medium placticity, low moisture, slight odor		
				24.1				
				30.2				
5				229.3				
						Black silty Clay, soft, medium plasticity, low moisture, strong odor		
				256.4				
						Grey silty clay, soft, medium plasticity, low moisture, strong odor		
				365				
10						Red-brown Clay, medium stiff, medium plasticity, moist, with trace fine grain sand, slight odor		
15								
				37				

DRILLING CONTRACTOR TREC Environmental

DRILLING METHOD Direct Push/HSA

DRILLING EQUIPMENT GeoProbe 6620DT

DRILLING STARTED 7/1/22 ENDED 7/1/22

REMARKS

LOG A EWNN03 - LOG A EWNN03.GDT - 11/3/22 14:15 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINTCL\PROJECTS\SBD_AREA E.GPJ

Appendix G –Disposal Documentation

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Waste Tracking Number 45938

GENERATOR

5. Generator's Name and Mailing Address
South Buffalo Properties LLC
140 Lee Street
Buffalo, NY 14210
Generator's Phone: 716-553-5129

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Environmental Service Group, Inc — 716.695.6720 — U.S. EPA ID Number: NYD986903904

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers Company
177 Wales Avenue
Tonawanda, NY 14150
Facility's Phone: 716.695.6720 — U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated, (Soil Cuttings)	001	DM	650	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:
1 -	1 - A-20762L	1 - None	INFOTRAC (Caller Must ID RSG)
2 -	2 -	2 -	
3 -	3 -	3 -	
4 -	4 -	4 -	

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Peter Zaffram O.B.O. SBD LLC — Signature — Month 10 Day 12 Year 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Colin Rutkowski — Signature — Month 10 Day 12 Year 21
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Justin Raymond — Signature — Month 10 Day 12 Year 21

Printed in USA by GC Labels
1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHW
913-897-6966