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 Site Area C
Site No.: C915231
Site Address: 229 Elk Street
Buffalo, New York 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 C Site (referred hereafter as the Site). This report documents the implementation of, and compliance with, site-specific 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*.

- NYSDOH's comment was not included in the revised PRR – "The revised SMP proposes monthly manometer readings and annual pressure tests. Were these completed during the Certifying Period? If yes, please detail with the text".
  *Monthly inspections of the sub-slab depressurization system were conducted. The vacuum check log for the reporting period is provided in the revised PRR as Appendix C. Section 1.2.2, 1.3, and 7.1 of the PRR have been revised to include a reference to the log. Pressure testing of the sub-slab depressurization system was scheduled for and conducted in January 2023.*

- Table 1 – RFI-31 duplicate is missing a 2,4-dichlorophenol detection in 3/22. Update Figure 4 as well:
  *Table 1 and Figure 4 have been revised in accordance with the comment.*

Please feel free to call with any questions or comments.

Respectfully submitted,

John P. Black, P.E.

President
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.** **C915231**

**Site Name Buffalo Color Corporation Site Area C**

Site Address: 229 Elk Street Zip Code: 14210
City/Town: Buffalo
County: Erie
Site Acreage: 6.030

Reporting Period: October 05, 2021 to October 05, 2022

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

**NYSDEC Approved Site Use is Restricted-Residential.**
**Revised SMP/FER/EE pending NYSDEC Approval.**

**Box 2**

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

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

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

Signature of Owner, Remedial Party or Designated Representative

2/1/2023
Date

Enclosure B

# Buffalo Color Corporation Site Area C
# Site Management Periodic Review Report

229 Elk St.
NYSDEC Site Number C915231

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

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# Executive Summary

## 1.1 Site Summary

The 6.03-acre Area C Site is located at 229 Elk Street in the City of Buffalo, County of Erie, New York (Figure 1). Area C is one of five areas that comprised the former Buffalo Color Corporation (BCC). BCC produced dyes and organic chemicals until its bankruptcy in 2005. Remedial investigations had previously determined that Site soil contained concentrations of certain metals and organic substances that exceeded the NY Commercial Soil Cleanup Objectives (SCOs). Shallow groundwater on the northern half of Area C was found to contain concentrations of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) that exceeded the NY Class GA standards (a/k/a groundwater quality standards or GWQS), a remedial goal.

The primary remedial objectives at the Area C 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 installation of a new 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 Site Management Plan (SMP) prepared by Mactec Engineering and Consulting P.C. dated December 20, 2010 (referred to hereafter as the SMP):

- Quarterly shallow groundwater sampling; and
- Quarterly Site inspections.

Also, during the reporting period, the remedy was enhanced by:

- Operation of a sub slab depressurization system below the building;

Tables summarizing groundwater monitoring results and figures showing the corresponding VOC concentrations are included for each of the quarterly sampling events covered within the reporting period.

## 1.2 Effectiveness of the Remedial Program

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

- VOCs remain at the Site in groundwater samples from the northern portion as shown by the data from monitoring wells MW-C04, PS-05A, RFI-20A, and RFI-31; however, an overall decreasing trend in Total VOCs is evident in all wells.
- Total VOCs have increased over the most recent four to eight quarters of samples from MW-C04 and RFI-31. Trends in VOC concentrations will continue to be tracked over the next reporting period.
- Tabulated groundwater analytical data, concentration, and groundwater elevation figures are provided in Tables 1, 2 and 4 and shown on Figures 4 through 8.

The Inspection logs are provided as Table 3.

No change of use occurred during the reporting period. No groundwater use occurred during the reporting period. No excavations occurred on the Stie during the reporting period and no materials were imported to the Site.

### 1.2.1 Progress During the Reporting Period

The groundwater system is relatively stable, the rate of attenuation in the northeast corner has not accelerated since the previous reporting period, and the southern portion of the site has been successfully remediated. The data show a relative increase in Total VOC concentrations in RFI-31A, particularly 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichlorobenzene, and 1,4-Dichlorobenzene when comparing recent (Q4 2021 through Q3 2022) data with the preceding monitoring events (Table 1). Additional data is still necessary to determine any statistical significance to the overall stability of the groundwater system as it continues to equilibrate to post-redevelopment conditions. Groundwater monitoring in accordance with the SMP will continue during the 2022-2023 reporting period. An evaluation of additional actions to address remaining elevated VOCs will be included in the PRR for the October 2022 to October 2023 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 3) indicate that the soil cover was intact, and the remedy remained protective for preventing inadvertent direct contact with impacted soils.
- The sub-slab depressurization system continues to function as designed. Monthly inspections of the sub-slab depressurization system were conducted to verify a vacuum in the subsurface. The system includes a series of sumps, sump pumps, perforated piping, and fans. The sumps include sump pumps to maintain the groundwater elevation below the slabs and soil vapor extraction piping. The collected water is discharged from the sumps to the BSA Sewer.
- Confirmatory indoor air samples will be collected during the next reporting period and within the heating season (November 15, 2022 to March 31, 2023) in accordance with the June 2022 NYSDEC approved Indoor Air Sampling Work Plan.
- The groundwater concentrations in the northern part of the site remain above the goals for the site, albeit well below the concentrations at the beginning of the remedial action.

## 1.3 Compliance

The cover system and environmental easement are in place and continue to function as designed following the upgrades completed during the previous reporting period (2020-2021). The sub-slab

depressurization system is functioning as designed. Monthly inspections to confirm a vacuum were conducted (Appendix C).

A revised SMP and Final Engineering Report (FER) were submitted to the NYSDEC during the reporting period.

### 1.3.1 Potential Non-compliance

No areas of non-compliance were identified during the reporting period; however, the Site is in corrective measures until finalization of the revised SMP, FER, and Environmental Easement. The revised and updated SMP and FER were submitted to the NYSDEC during the reporting period.

### 1.3.2 Proposed Steps

A revised FER and revised SMP was submitted during the reporting period and will be finalized during the next reporting period. Following approval, the existing environmental easement will be extinguished, and a new environmental easement will be filed.

Further evaluation of possible additional actions to address remaining elevated VOCs in groundwater will be conducted during the next reporting period.

## 1.4 Recommendations

### 1.4.1 Recommended Changes to the SMP

A revised SMP was submitted to the NYSDEC during the reporting period and will be finalized during the next reporting period. The SMP was modified to include the new cap as-built conditions and a program of communication testing, reporting, and maintenance for the sub-slab depressurization system.

### 1.4.2 Recommend Changes to the Frequency for Submittal of PRRs

There is no recommended change to the frequency of the PRRs currently.

### 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 229 Elk Street in the City of Buffalo, County of Erie, New York (Figure 1). The Site is an approximate 6.03-acre area bounded by Elk Street to the north, a rail spur and associated right-of-way to the south, Lee Street to the east, and multiple railroad tracks to the west. A single structure remains on Area C, the former Buffalo Color powerhouse. This structure has been cleared of asbestos and residual chemicals and has been renovated for adaptive reuse; commercial, office and restricted residential. The Site is part of the former Buffalo Color Corporation facility, which also included Areas A and B located beyond the rail spur to the south and Area E located across Lee Street to the east (Figure 2). 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 (BCC) 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, BCC 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 monitoring, inspections, environmental investigation, and remediation activities. The remaining buildings and property on Areas A, B, C, D and E were purchased by SBD in 2008.

Beginning in July 2017, OSC on behalf of SBD began the demolition of the 30,000 square feet Icehouse building on Area C. The building was taken down due to structural instability, and the work was completed in December 2017. OSC removed brick and rubble from the building and basement of the Boiler House between February 2018 and April 2018. Following those activities, the brick and block in-fill in the former window openings was removed. The building renovations are complete, and portions of the building are occupied by Ontario Specialty Contracting. The capping system has been upgraded to restricted residential standards.

## 2.2 Chronology of the Remedial Program

Numerous environmental investigations have been completed for the Buffalo Color property, including Area C, 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 overall Site including Area C. In early 2009, demolition of former plant structures and remedial source excavations were initiated across the SBD properties.

The primary remedial objectives at the Area C 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 to allow for commercial use are summarized below:

- Excavation and off-Site disposal of approximately 10,527 CY (in-place volume) of VOC-contaminated soils from two locations on the northern side of Area C 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 and downgradient of the excavated areas;
- Utilization of an integrated Site-wide cover system consisting of a combination of (1) 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; (2) existing/new pavement (asphalt or concrete); and/or (3) existing buildings to address human exposure to remaining contamination at the Site;
- Introduction of enhancements for the natural attenuation of organic compounds in groundwater. Regenisis ORC-A was introduced in the backfill used to fill the remedial investigations and introduced in a number of wells on the Site;
- Abandonment/plugging of unused process sewers and installation of new storm sewer infrastructure, as appropriate;
- 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 and, 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: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

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

Additional remedial activities were completed at the Site in 2021 to allow for restricted-residential use and are summarized below:

- Enhancement of the existing integrated Site-wide cover to consist of (1) 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; (2) existing/new pavement (asphalt or concrete); and/or (3) existing buildings; and
- Construction and operation of a sub-slab depressurization system.

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 NYSDEC.

# 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 and 1A, 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, concentration, and groundwater elevation data are provided in Tables 1, 1A, 1B, and 2 and Figures 4 through 8. Groundwater in the southern half of the site has been successfully remediated. Natural attenuation is ongoing in the northern half of the Area C Site. An additional evaluation of potential actions to further reduce elevated VOCs in the northern half of the Site will be conducted during the next reporting period.

## 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.

### 3.1.1 Controls

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

- 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, existing/new pavement (asphalt or concrete), and/or existing buildings to address human exposure to remaining contamination at the Site;
- Protocols for the activities required for disturbance of Site soils and/or groundwater, and
- Contingencies for 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-wide and cover system inspections. Site-wide and cover system inspection details for the reporting period are providing in Table 3. Inspections were conducted on a quarterly basis during the reporting period and included conditional

observations of soil cover, surface pavement, and building slabs. There were no observations during the reporting period that indicated the need for cover system repair.

No deficiencies or comments for concern were noted throughout the reporting period.

The City of Buffalo approved redevelopment of the property in 2019. The RAWP for 2019 included enhancements to the cover (minimum thickness of 2-feet), installation of sub-slab depressurization system beneath the structure to be occupied, improved stormwater management, and enhanced attenuation of constituents in groundwater.

These RAWP enhancements have been implemented and a revised FER and revised SMP was submitted to the NYSDEC during the reporting period. Once these documents are approved, the existing environmental easement will be extinguished, and a new environmental easement will be filed documenting the restricted-residential use. The Site will remain in corrective measures until this process is complete.

### 3.1.2 Status

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

- Documenting Site-wide the cover system was intact and protective to potential human exposure during the reporting period.

The Site IC/ECs are all currently active and in force.

### 3.1.3 Corrective Measures

No corrective measures are required.

### 3.1.4 Conclusions and Recommendations

A revised FER and revised SMP was submitted during the reporting period.

## 3.2 IC/EC Certification

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

# 4 Monitoring Plan Compliance Report

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

- Quarterly Low-Flow shallow groundwater sampling; and
- Quarterly Site and cover system inspections.

Summary of Monitoring Completed During Reporting Period: Tables 1 through 4 summarize the routine Site monitoring activities that have been completed in accordance with SMP during the reporting period:

Area C 2021 -2022 Quarterly Monitoring Compliance Summary

| | 2021 | 2022 |
|---|---|---|
| Low Flow Shallow Groundwater Sampling | Quarterly | Quarterly |
| Site-wide and Cover System Inspections | Quarterly | Quarterly |

## 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

None.

## 4.3 Conclusions and Recommendations for Changes

No recommendations for changes are made at this time. A revised SMP was submitted during the reporting period. Site monitoring will continue in accordance with the existing SMP until the revised SMP is approved.

# 5 Operations and Maintenance Plan Compliance Report

## 5.1 Components of the O&M Plan

The Site remedy for soil and/or groundwater does not rely on any mechanical systems, such as air sparge/ soil vapor extraction systems to protect public health and the environment.

An active sub-slab depressurization system is operated to protect public health from potential indoor air exposure. Operation and maintenance procedures and testing requirements for the system are included in the revised SMP submitted to the NYSDEC during the reporting period. Once approved, these procedures will be incorporated into the O&M compliance report in future PRRs.

## 5.2 Components of the Monitoring Plan

Area C 2020-2021 Quarterly Well Monitoring Summary

| Well ID | Monitoring Type | Monitoring Parameters | 2021 Q4 | 2022 Q1 | 2022 Q2 | 2022 Q3 |
|---|---|---|---|---|---|---|
| MW-C04 | Quarterly Sampling | RCL VOCs, TCL SVOCs, TAL Metals | X | X | X | X |
| RFI31-RFI31A | Quarterly Sampling | RCL VOCs, TCL SVOCs, TAL Metals | X | X | X | X |
| RFI-20-RFI-20A | Quarterly Sampling | RCL VOCs, TCL SVOCs, TAL Metals | X | X | X | X |
| PS-05A | Quarterly Sampling | RCL VOCs, TCL SVOCs, TAL Metals | X | X | X | X |

## 5.3 Summary of Monitoring

Natural attenuation of Site groundwater is tracked through the sampling of Site monitoring wells. New York State Water Quality Standards for Surface Water and Groundwater are the established groundwater quality objectives for the Site. TestAmerica 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 on Tables 1 and 2. Groundwater elevation data collected during the reporting period is provided on Table 4. Groundwater data is shown on Figure 4 and groundwater elevation contours are represented on Figures 5 through 8. Progress toward the standards is being made via natural attenuation. Groundwater concentrations have largely stabilized, and Total VOCs show a decreasing trend over the past 12-years of monitoring. Increases in Total VOC concentrations over the reporting period may be attributable to ongoing stabilization of the groundwater system after the re-development and changes to the cover system.

## 5.4 Comparisons with Remedial Objectives

The data that exceeded the GWQSs are presented in Table 1 and on Figure 4.

## 5.5 Monitoring Deficiencies

None.

## 5.6 Conclusions and Recommendations for Changes

No changes are recommended at this time.

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

## 6.1 Summary of O&M Completed During Reporting Period

Inspections and sampling were conducted in accordance with the SMP.

## 6.2 O&M Deficiencies

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

# 7 Overall PRR Conclusions and Recommendations

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

## 7.1 Performance and Effectiveness of the Remedy

The cover system is intact as constructed, and the Site remedy is preventing off-Site migration of Site-related COCs in groundwater. Site groundwater will continue to be monitored as recommended above to determine if the remedy is decreasing COC concentrations in groundwater.

Pressure testing of the sub-slab depressurization system was conducted in January 2023. The report will be included in the next PRR.

## 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**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| MW-C01 | 11/18/2009 | 24 | <5 | 6.8 | 2.8 J | <5 | <5 | 33.6 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | No Sample Collected | | | | | | | | | | | | |
| | 6/29/2011 | 6.2 | 1.2 | 5.7 | 1.2 | <1 | 18 | 32.3 | <5.6 | <5.6 | <11 | 2.3 J | <5.6 | 2.3 |
| | 9/30/2011 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <5.9 | <5.9 | <12 | 0.63 J | <5.9 | 0.63 |
| | 11/25/2011 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <4.8 | <4.8 | <9.7 | 3.2 J | <4.8 | 3.2 |
| | 3/28/2012 | 3.1 | 2.2 | 29 | 8.3 | <1 | 21 | 63.6 | <4.7 | <4.7 | <9.4 | 1.1 J | <4.7 | 1.1 |
| | 6/22/2012 | 1.2 | 0.82 J | 7.2 | 1 | <1 | 2.8 | 13.02 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/17/2012 | 0.55 J | <1 | 2.1 J | <1 | <1 | <1 | 2.65 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 12/3/2012 | 0.5 J | <1 | 1.7 | <1 | <1 | <1 | 2.2 | <4.8 | <4.8 | <9.7 | <4.8 | <4.8 | 0 |
| | 3/27/2013 | 2.9 | 1.5 | 13 | 1.5 | <1 | 3 | 21.9 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 0 |
| | 6/1/2013 | 3.7 | 1.5 | 12 | 1.3 | <1 | 3.8 | 22.3 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0.43 |
| | 9/5/2013 | 1 | <1 | 2.9 | <1 | <1 | 0.88 | 4.78 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 12/2/2013 | <4 | <4 | 3.6 | <4 | <4 | <4 | 3.6 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/21/2014 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.7 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/19/2014 | 16 | 2.6 | 18 | 2.9 | <1 | 4.2 | 43.7 | <1.9 | <9.4 | <9.4 | 0.31 J | <1.9 | 3.46 |
| | 9/3/2014 | 1.8 J | <4 | 5.1 | <4 | <4 | <4 | 6.9 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/24/2014 | 2.2 | <1 | 5.7 | <1 | <1 | 1.4 | 9.3 | <4.7 | <4.7 | <9.5 | <4.7 | <4.7 | 4.33 |
| | 4/2/2015 | 2.1 J | <4 | <4 | <4 | <4 | <4 | 2.1 | <4.6 | <4.6 | <9.2 | <4.6 | <4.6 | 1.92 |
| | 6/17/2015 | 1.8 J | <4 | <4 | <4 | <4 | <4 | 1.8 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 1.73 |
| | 9/2/2015 | 1.9 | <1 | 4 | <1 | <1 | 1 | 6.9 | <4.7 | <4.7 | <9.5 | <4.7 | <4.7 | 0 |
| | 11/5/2015 | <1 | <1 | 0.79 J | <1 | <1 | <1 | 0.79 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 0 |
| | 3/30/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | 1.1 J | <4.7 | <4.7 | 1.66 |
| | 5/23/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | 0.74 J | <4.7 | <4.7 | 0.74 |
| | 9/7/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.6 | <4.6 | <9.3 | 0.48 J | <4.6 | 2.47 |
| | 11/3/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.6 | <4.6 | <9.2 | <4.6 | <4.6 | 0 |
| | 2/28/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/13/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0.75 |
| | 8/17/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 3.1 | <5 | <5 | <10 | 1 J | <5 | 12.36 |
| | 11/21/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | 1.3 J | <5 | 19.22 |
| | 2/27/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | 1.1 J | <5 | 12.01 |
| | 6/11/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | 0.59 J | <5 | 8.57 |
| | 8/21/2018 | <2 | <2 | <2 | <2 | <2 | <2 | 0 | <5 | <5 | <10 | <5 | <5 | 11.4 |
| | 11/13/2018 | <2 | <2 | <2 | <2 | <2 | <2 | 2.1 | <50 | <25 | <50 | <25 | <25 | 0 |
| | 3/20/2019 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <5 | <5 | <10 | 0.72 J | <5 | 6.08 J |
| | 5/22/2019 | <2 | <2 | <2 | <2 | <2 | <2 | 0.91 J | <25 | <25 | <50 | 2.4 J | <25 | 20.1 J |
| | 9/5/2019 | 0.94 J | <2 | 3.4 | <2 | <2 | <2 | 5.03 | <25 | <25 | <50 | <25 | <25 | 3.7 J |
| | 11/20/2019 | 1.8 J | 3.0 | 6.6 | 2.2 | <2 | 9.7 | 48.21 | <5 | <5 | <10 | <5 | <5 | 3.31 J |
| | 3/5/2020 | <2 | <2 | <2 | <2 | <2 | <2 | 0 | <25 | <25 | <50 | <25 | <25 | 5.1 J |
| | 5/19/2020 | <2 | <2 | <2 | <2 | <2 | <2 | 1.4 J | <25 | <25 | <50 | <25 | <25 | 1.7 J |
| | June 2020 Well Decommissioned and removed from monitoring program | | | | | | | | | | | | | |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| MW-C04 | | No Sample Collected | | | | | | | | | | | | |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | <8 | <8 | 17 | 29 | <8 | 390 | 436 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/29/2011 | <1 | 5.7 | 17 | 30 | <1 | 390 | 442.7 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/30/2011 | <1 | 5.7 | 21 | 36 | <1 | 500 | 562.7 | <4.8 | <4.8 | <9.5 | <4.8 | <4.8 | 0 |
| | 11/25/2011 | <4 | 4.2 | 16 | 29 | <4 | 390 | 439.2 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/27/2012 | 2.6 J | 4.4 | 18 | 29 | <1 | 330 | 384 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/21/2012 | <1 | 4.6 | 16 | 29 | <1 | 310 | 359.6 | 1.1 J | <4.7 | 0.61 J | <4.7 | <4.7 | 1.71 |
| | 9/14/2012 | <5 | <5 | 9.4 | 17 | <5 | 370 J | 396.4 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 0.92 |
| | 12/3/2012 | <5 | <5 | 15 | 27 | <5 | 340 | 382 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 2.41 |
| | 3/27/2013 | <5 | 5.3 | 16 | 27 | <5 | 290 | 338.3 | <5 | <5 | <10 | <5 | <5 | 1.86 |
| | 5/31/2013 | <5 | 5.7 | 16 | 28 | <5 | 290 | 343.9 | <4.8 | <4.8 | <9.5 | <4.8 | <4.8 | 1.53 |
| | 9/5/2013 | <5 | 5.8 | 17 | 28 | <5 | 330 | 380.8 | 0.72 | <4.9 | <9.7 | <4.9 | <4.9 | 3.03 |
| | 12/3/2013 | <5 | 6.9 | 24 | 39 | <5 | 360 | 429.9 | <5 | <5 | <10 | <5 | <5 | 1.71 |
| | 3/20/2014 | <5 | 5.4 | 19 | 30 | <5 | 260 | 314.4 | <5 | <5 | <10 | <5 | <5 | 1.51 |
| | 6/19/2014 | <4 | 7.3 | 23 | 37 | <4 | 300 | 369.4 | 0.48 J | <9.6 | <9.6 | <1.9 | <1.9 | 0.48 |
| | 9/3/2014 | <5 | 4.7 J | 16 | 28 | <5 | 260 | 308.7 | <5 | <5 | <10 | <5 | <5 | 2.2 |
| | 11/24/2014 | <5 | 6 | 22 | 36 | <5 | 320 | 384 | 0.52 J | <5 | <10 | <5 | <5 | 6.29 |
| | 4/2/2015 | <5 | 4.5 J | 20 | 31 | <5 | 230 | 285.5 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/17/2015 | <5 | 5.2 | 23 | 36 | <5 | 280 | 358.2 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 2.26 |
| | 9/2/2015 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5.2 | <5.2 | <10 | <5.2 | <5.2 | 0 |
| | 11/5/2015 | <10 | 5 | 24 | 40 | <10 | 370 | 439 | 0.72 J | <4.7 | <9.4 | <4.7 | <4.7 | 8.25 |
| | 3/30/2016 | <10 | <10 | 21 | 34 | <10 | 260 | 315 | <4.7 | <4.7 | 0.62 J | <4.7 | <4.7 | 3.86 |
| | 5/23/2016 | <10 | <10 | 24 | 38 | <10 | 340 | 402 | <4.8 | <4.8 | <9.7 | <4.8 | <4.8 | 1.82 |
| | 9/7/2016 | <10 | <10 | 16 | 26 | <10 | 230 | 272 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 1.32 |
| | 11/3/2016 | <10 | <10 | 17 | 29 | <10 | 320 | 366 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 2.21 |
| | 2/28/2017 | <10 | <10 | 14 | 22 | <10 | 150 | 198 | <4.8 | <4.8 | <9.5 | <4.8 | <4.8 | 0 |
| | 6/13/2017 | <10 | <10 | 14 | 25 | <10 | 230 | 269 | <5 | <5 | <10 | <5 | <5 | 4.16 |
| | 8/17/2017 | <10 | <10 | 10 | 17 | <10 | 140 | 167 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/21/2017 | <1 | 2.8 | 16 | 30 | <1 | 180 | 228.8 | 0.98 J | <5 | <10 | <5 | <5 | 1.75 |
| | 2/27/2018 | <1 | 4.6 J | 24 | 41 | <1 | 280 | 349.6 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/11/2018 | <2 | 4.4 | 23 | 40 | <2 | 310 | 377.4 | 3.3 J | <5 | <10 | <5 | <5 | 5.4 |
| | 8/21/2018 | <5 | 5.4 | 31 | 59F1 | <5 | 480F1 | 575.4 | 5.0 | <5 | 0.99 J | <5 | <5 | 7.4 |
| | 11/13/2018 | <10 | <10 | 28 | 49 | <10 | 350 | 435.8 | <10 | <5 | 1.0 J | <5 | <5 | 2.6 |
| | 3/20/2019 | <10 | <10 | 25 | 49 | <10 | 330 F1 | 404 | 0.54 J | <5 | <10 | <5 | <5 | 3.02 |
| | 5/22/2019 | <10 | <10 | 27 | 51 | 5.0 J | 380 | 470.7 | 2.7 J | <10 | 0.80J | <5 | <5 | 3.5 J |
| | 9/4/2019 | <10 | <10 | 36 | 76 | <10F2 | 560F1 | 672 | 5.6 | <5 | 0.94J | <5 | <5 | 7.15 |
| | 11/20/2019 | <10 | <10 | 31 | 66 | <10 | 410 | 527 | 2.9 J | <5 | <10 | <5 | <5 | 5.4 J |
| | 3/5/2020 | 5.7 | <10 | 28 | 60 | <10 | 350 | 449.1 | 0.58 J | <5 | <10 | <5 | <5 | 2.81 J |
| | 5/19/2020 | <10 | <10 | 25 | 60 | <10 | 370 | 460.4 | <5 | <5 | 0.62 J | <5 | <5 | 4.29 J |
| | 8/10/2020 | 6.1 J | <8 | 27 | 56 | <8 | 370 | 459.1 | 1.6 J | <5 | 0.66 J | <5 | <5 | 6.26 J |
| | No 4th Quarter 2020 Sample. ORC-A Sock application in wells | | | | | | | | | | | | | |
| | 3/23/2021 | <10 | <10 | <10 | 13 | <10 | 100 | 113 | 0.97J | <5 | <10 | <5 | <5 | 3.41J |
| | 5/25/2021 | <10 | <10 | <10 | 12 | <10 | 85 | 97 | <5 | <5 | <10 | <5 | <5 | 1.33J |
| | 5/25/2021 (DUP) | <2 | <2 | 8 | 14 | <2 | 110 | 97 | <5 | <5 | <10 | <5 | <5 | 1.33J |
| | 8/10/2021 | <8 | <8 | 8 | 14 | <8 | 85 | 107 | <5 | <5 | <10 | <5 | <5 | 0.41J |
| | 11/8/2021 | <3.3 | <6.3 | 12 | 21 | <3.3 | 140 | 173 | 0.92 J | <0.50 | 0.8 J | <0.47 F1 | <0.39 | 4.09 J |
| | 11/8/2021 (DUP) | <1.6 | <3.2 | 11 | 22 | <1.6 | 150 | 183 | 0.93 J | <0.50 | <0.61 | <0.47 | <0.39 | 2.56 J |
| | 3/17/2022 | <2.1 | <4.0 | 11 | 22 | <2.1 | 160 | 193 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.71 J |
| | 5/23/2022 | <2.1 | <4 | 15 | 31 | <2.1 | 260 F1 | 306 | <0.51 F1 | <0.50 | 1.1 J | <0.47 F1 | <0.39 | 7.74 J |
| | 5/23/2022 (DUP | <2.1 | <4 | 16 | 32 | <2.1 | 270 | 318 | <0.51 | <0.50 | 1.1 J | <0.47 | <0.39 | 7.78 J |
| | 8/18/2022 | <2.1 | <4 | 15 | 32 | <2.1 | 310 F1 | 357 | 3.2 JH | <0.50 H | 0.79 J | <0.47 | <0.39 | 4.36 J |
| | 8/18/2022 (DUP_ | <1.6 | <3.2 | 16 | 33 | <1.6 | 320 | 369 | 3.8 JH | <0.50 | 0.71 J | <0.47 | <0.39 | 4.94 J |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| PS-04A | 11/19/2009 | <1 | <1 | <1 | <1 | <1 | 0.81 J | 0.81 | <6.2 | <6.2 | <12 | <6.2 | <6.2 | 0 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/29/2011 | No Sample Collected | | | | | | | | | | | | |
| | 9/30/2011 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 11/25/2011 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/27/2012 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <26 | <26 | <52 | <26 | <26 | 0 |
| | 6/22/2012 | 2.2 | <1 | <1 | <1 | <1 | <1 | 2.2 | No Sample Collected | | | | | |
| | 9/14/2012 | <1 | <1 | <1 | <1 | <1 | <1 | 3.2 | No Sample Collected | | | | | |
| | 12/3/2012 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.9 | <4.9 | <9.7 | <4.9 | <4.9 | 0 |
| | 3/27/2013 | 0.73 | <1 | <1 | <1 | <1 | <1 | 0.73 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 0 |
| | 5/31/2013 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <5.1 | <5.1 | <10 | <5.1 | <5.1 | 0 |
| | 12/2/2013 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/20/2014 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/19/2014 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <1.9 | <9.7 | <9.7 | <1.9 | <1.9 | 0 |
| | 11/24/2014 | 0.74 J | <1 | <1 | <1 | <1 | <1 | 0.74 | <4.9 | <4.9 | <9.7 | <4.9 | <4.9 | 3.3 |
| | 4/2/2015 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.5 | <4.7 | <4.7 | 0 |
| | 6/17/2015 | 0.58 J | <1 | <1 | <1 | <1 | <1 | 0.58 | <4.7 | <4.7 | <9.3 | <4.7 | <4.7 | 0.3 |
| | 9/2/2015 | <1 | 5.2 | 23 | 36 | <1 | 330 | 399.8 | 0.7 J | <4.9 | <9.8 | <4.9 | <4.9 | 4.84 |
| | 11/5/2015 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/30/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 5/23/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.8 | <4.8 | <9.5 | <4.8 | <4.8 | 0 |
| | 11/3/2016 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 0 |
| | 2/28/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <4.7 | <4.7 | <9.3 | <4.7 | <4.7 | 0 |
| | 6/13/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/17/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 1.39 |
| | 11/21/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 1.5 |
| | 2/27/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/11/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/21/2018 | Dry Well | | | | | | | | | | | | |
| | 11/13/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| PS-05A | 11/17/2009* | <1 | 5 | <1 | 0.76 J | 0.97 J | 700 | 706.73 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 0 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | No Sample Collected | | | | | | | | | | | | |
| | 6/29/2011 | No Sample Collected | | | | | | | | | | | | |
| | 9/30/2011 | <4 | 41 | <4 | <4 | <4 | 1200 | 1241 | <5.3 | <5.3 | <11 | <5.3 | <5.3 | 0 |
| | 11/25/2011 | <4 | 11 | <4 | <4 | <4 | 580 | 591 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/27/2012 | <1.4 | 13 | <1 | 0.96 J | 9.5 | 560 | 583.46 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/21/2012 | <5 | 58 | <5 | <5 | <5 | 870 | 928 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/17/2012 | <4 | <4 | <4 | <4 | 23 J | 210 | 233 | <9.8 | <9.8 | <20 | <9.8 | <9.8 | 2.3 |
| | 12/4/2012 | <4 | 8.1 | <4 | <4 | <4 | 490 | 498.1 | <4.8 | <4.8 | <9.7 | <4.8 | <4.8 | 3.4 |
| | 3/26/2013 | <8 | <8 | <8 | <8 | <8 | 330 | 337.5 | <5 | <5 | <9.9 | <5 | <5 | 4.45 |
| | 5/31/2013 | <8 | 8 | <8 | <8 | <8 | 470 | 484.5 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 8.1 |
| | 9/5/2013 | <4 | 4.5 | <4 | <4 | <4 | 310 | 329.2 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 3.6 |
| | 12/2/2013 | <4 | 4.1 | <4 | <4 | <4 | 210 | 214.1 | <5 | <5 | <10 | <5 | <5 | 1.7 |
| | 3/20/2014 | <4 | <4 | <4 | <4 | 16 | 330 | 346 | <5 | <5 | <10 | <5 | 0.64 | 3.44 |
| | 6/19/2014 | <4 | 7.8 | <4 | <4 | <4 | 330 | 337.8 | <1.9 | <9.5 | <9.5 | <1.9 | <1.9 | 99.9 |
| | 9/3/2014 | <4 | <4 | <4 | <4 | <4 | 220 | 220 | <5 | <5 | <10 | <5 | 0.67 J | 55.37 |
| | 11/24/2014 | <4 | 4.6 | <4 | <4 | <4 | 270 | 274.6 | <5 | <5 | <10 | <5 | <5 | 6.1 |
| | 4/2/2015 | <4 | 3.6 J | <4 | <4 | 10 | 320 | 333.6 | <4.8 | <4.8 | <9.5 | <4.8 | <4.8 | 3.6 |
| | 6/17/2015 | <4 | 9.6 | <4 | <4 | <4 | 390 | 399.6 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 2.9 |
| | 9/2/2015 | <4 | <4 | <4 | <4 | <4 | 170 | 170 | <5 | <5 | <10 | <5 | <5 | 1.7 |
| | 11/5/2015 | <5 | 4.3 J | <5 | <5 | <5 | 280 | 284.3 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 2.16 |
| | 3/30/2016 | <5 | <5 | <5 | <5 | <5 | 180 | 180 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 3 |
| | 5/23/2016 | <5 | 4.1 J | <5 | <5 | <5 | 250 | 254.1 | <5 | <5 | <10 | <5 | <5 | 1.1 |
| | 9/7/2016 | <2 | <2 | <2 | <2 | <2 | 92 J | 102.9 | <5 | <5 | <9.9 | <5 | <5 | 0.53 |
| | 11/3/2016 | <5 | 3.7 | <5 | <5 | <5 | 250 | 277.7 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 1.17 |
| | 2/27/2017 | <5 | <5 | <5 | <5 | <5 | 110 | 131 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 2.04 |
| | 6/13/2017 | <5 | <5 | <5 | <5 | <5 | 260 | 260 | <5 | <5 | <10 | <5 | <5 | 2.9 |
| | 8/17/2017 | <5 | 14 | <5 | <5 | <5 | 550 | 564 | <5 | <5 | <10 | <5 | <5 | 5.4 |
| | 11/21/2017 | <1 | 3.6 | <1 | 0.38 J | <1 | 140 | 146.98 | <5 | <5 | <10 | <5 | <5 | 2.5 |
| | 2/27/2018 | <1 | 2.7 | <1 | <1 | <1 | 160 | 162.7 | <5 | <5 | <10 | <5 | <5 | 1.7 |
| | 6/11/2018 | <2 | 28 | <2 | 1.7 J | <2 | 740F1 | 769.7 | <5 | <5 | <10 | <5 | <5 | 12 |
| | 8/22/2018 | <10 | <10 | <10 | <10 | <10 | 360 | 360 | <5 | <5 | <10 | <5 | <5 | 7.23 |
| | 11/13/2018 | <5 | <5 | <5 | <5 | <5 | 220 | 224.4 | <25 | <25 | <50 | <25 | <25 | 3.2 |
| | 3/20/2019 | <5 | <5 | <5 | <5 | <5 | 130 | 131.1 | <5 | <10 | <10 | <5 | <5 | 1.46 J |
| | 5/22/2019 | <5 | <5 | <5 | <5 | <5 | 170 | 174 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 9/5/2019 | <5 | 6.4 | <5 | <5 | <5 | 280 | 286.4 | <5 | <5 | <10 | <5 | <5 | 3.0 J |
| | 11/20/2019 | <5 | <5 | <5 | <5 | <5 | 72 | 82 | <5 | <5 | <10 | <5 | <5 | 1.2 J |
| | 3/5/2020 | <1 | <1 | <1 | <1 | <1 | 35 | 35 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 5/19/2020 | <5 | <5 | <5 | <5 | <5 | 120 | 123.6 | <5 | <5 | <10 | <5 | <5 | 2.69 J |
| | 8/10/2020 | 2.5 J | 6 | <5 | <5 | <5 | 130 | 138.5 | <5 | <5 | <10 | <5 | <5 | 0.52 J B |
| | No 4th Quarter 2020 Sample. ORC-A Sock application in wells | | | | | | | | | | | | | |
| | 3/23/2021 | <5 | <5 | <5 | <5 | <5 | 23 | 23 | <5 | <5 | <10 | <5 | 1J | 1.38J |
| | 5/25/2021 | <4 | <4 | <4 | <4 | <4 | 39 | 39 | <5 | <5 | <10 | <5 | <5 | 0.54J |
| | 8/10/2021 | <2 | 3.5 | <2 | <2 | <2 | 160 | 163.5 | <5 | <5 | <10 | <5 | <5 | 0.8J |
| | 11/8/2021 | <1.6 | <3.2 | <3.1 | <3.4 | <1.6 | 61 | 61 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.56 J |
| | 3/17/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | <0.75 | 0 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0 |
| | 5/23/2022 | <0.41 | 1.1 | <0.78 | <0.84 | 0.44 J | 97 | 98.54 J | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 6 B |
| | 8/18/2022 | <0.82 | 1.8 J | <1.6 | <1.7 | <0.82 | 100 | 101.8 J | <0.53 H | <0.52 H | <0.64 H | <0.49 H | <0.41 H | 0 |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| PS-06 | 11/17/2009 | <1 | <1 | <1 | <1 | 0.61 J | <1 | 0.61 | <25 | <25 | <50 | <25 | <25 | 0 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | <10 | <10 | <10 | <10 | <10 | <10 | 0 | <5.2 | 1.8 J | 45 | <5.2 | 1.9 J | 48.7 |
| | 6/29/2011 | <1 | <1 | <1 | <1 | 2.7 | <1 | 2.7 | <4.7 | 1.3 J | 36 | <4.7 | <4.7 | 37.3 |
| | 9/30/2011 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <26 | <26 | 8.9 J | <26 | <26 | 8.9 |
| | 11/25/2011 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <4.7 | 1.3 J | 11 | <4.7 | <4.7 | 12.3 |
| | 3/28/2012 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <4.7 | <4.7 | 2.9 J | <4.7 | <4.7 | 2.9 |
| | 6/21/2012 | <4 | <4 | <4 | <4 | <4 | <4 | 0 | <4.7 | 0.75 J | 3.5 J | <4.7 | <4.7 | 4.25 |
| | 9/14/2012 | No Sample Collected | | | | | | | | | | | | |
| | 12/4/2012 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.9 | <4.9 | <9.7 | <4.9 | <4.9 | 0 |
| | 3/27/2013 | <5 | <5 | <5 | <5 | <5 | <5 | 4.6 | <25 | <25 | <49 | <25 | <25 | 0 |
| | 5/31/2013 | <5 | <5 | <5 | <5 | <5 | <5 | 3.1 | <4.9 | <4.9 | 0.63 | <4.9 | <4.9 | 0.98 |
| | 9/5/2013 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.8 | <4.8 | 0.74 | <4.8 | <4.8 | 0.74 |
| | 12/2/2013 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <5 | <5 | <10 | <5 | <5 | 0.47 |
| | 3/21/2014 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <5 | <5 | <10 | <5 | <5 | 1.3 |
| | 6/19/2014 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1.9 | <9.5 | <9.5 | <1.9 | <1.9 | 1.68 |
| | 9/3/2014 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/24/2014 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.9 | <4.9 | <9.7 | <4.9 | <4.9 | 3.1 |
| | 4/2/2015 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.7 | <4.7 | 0.59 J | <4.7 | <4.7 | 0.59 |
| | 6/17/2015 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.7 | <4.7 | <9.3 | <4.7 | <4.7 | 0 |
| | 9/1/2015 | <5 | <5 | <5 | <5 | <5 | <5 | 13 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 0 |
| | 11/4/2015 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <23 | <23 | <47 | <23 | <23 | 0 |
| | 3/29/2016 | <5 | <5 | <5 | <5 | <5 | <5 | 2.3 | <4.7 | <4.7 | <9.5 | <4.7 | <4.7 | 0.31 |
| | 5/23/2016 | <1 | <1 | 1.1 | <1 | <1 | 1.6 | 7.9 | <5.1 | <5.1 | 0.67 J | <5.1 | <5.1 | 1.53 |
| | 9/7/2016 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.9 | <4.9 | <9.7 | <4.9 | <4.9 | 0 |
| | 11/3/2016 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 0 |
| | 2/27/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 | <4.8 | <4.8 | <9.7 | <4.8 | <4.8 | 0 |
| | 6/13/2017 | <2 | <2 | <2 | <2 | <2 | <2 | 1.2 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/17/2017 | <5 | <5 | <5 | <5 | <5 | <5 | 0 | <25 | <25 | <50 | <25 | <25 | 0 |
| | 11/21/2017 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <25 | <25 | <50 | <25 | <25 | 0 |
| | 2/27/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/11/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/21/2018 | <1 | <1 | <1 | <1 | <1 | <1 | 0 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/13/2018 | <5 | <5 | <5 | <5 | <5 | <5 | 4.4 | <25 | <25 | <50 | <25 | <25 | 0 |
| | 3/20/2019 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <5 | <5 | <10 | <5 | <5 | 0.42 J |
| | 5/22/2019 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <5 | <5 | 0.65 J | <5 | <5 | 0.65 J |
| | 9/5/2019 | <1 | <2 | <2 | <2 | <2 | <2 | 1.1 J | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/20/2019 | <2 | <2 | <2 | <2 | <2 | <2 | 6.23 J | <25 | <25 | <50 | <25 | <25 | 0 |
| | 3/5/2020 | <1 | <1 | <1 | <1 | <1 | 8.8 | 8.8 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 5/19/2020 | <2 | <2 | <2 | <2 | <2 | <2 | 2.85 J | <5 | <5 | <10 | <5 | <5 | .93 J |
| | June 2020 Well Decommissioned and removed from monitoring program | | | | | | | | | | | | | |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| RFI-20A | 11/19/2009 | 130 | 11 | <1 | 2 | 7.6 | 5900 | 6050.6 | <5 | <5 | <9.9 | <5 | <5 | 0 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | 180 | 16 | <5 | <5 | 120 | 3000 | 3316 | <24 | <24 | <47 | <24 | <24 | 0 |
| | 6/29/2011 | 130 | <50 | <50 | <50 | 25 J | 5900 | 6055 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/30/2011 | 34 | 3.8 | <1 | 2.3 | 4.8 | 1100 | 1144.9 | 0.75 J | <5.3 | <11 | <5.3 | <5.3 | 0.75 |
| | 11/25/2011 | 280 | 24 | <4 | <4 | 4 | 2100 | 2408 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/27/2012 | 74 J | 5 | <1 | 1.8 J | 11 J | 6600 | 6691.8 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 6/21/2012 | <80 | <80 | <80 | <80 | <80 | 6700 | 6700 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/14/2012 | 270 | <100 | <100 | <100 | <100 | 8700 | 8727 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 8.7 |
| | 12/3/2012 | <100 | <100 | <100 | <100 | <100 | 4600 | 4600 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 2.1 |
| | 3/26/2013 | 21 | 2.1 | <1.4 | 1 | 280 | 6500 | 6804.1 | <5 | <5 | <9.9 | <5 | <5 | 2.2 |
| | 5/31/2013 | <100 | <100 | <100 | <100 | 410 | 6400 | 6863 | <4.8 | <4.8 | <9.6 | <4.8 | 0.66 | 8.16 |
| | 9/5/2013 | <100 | <100 | <100 | <100 | 51 | 6900 | 6951 | <4.8 | <4.8 | <9.7 | <4.8 | <4.8 | 1.3 |
| | 12/2/2013 | <100 | <100 | <100 | <100 | 61 | 8200 | 8261 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/20/2014 | <100 | <100 | <100 | <100 | 370 | 9400 | 9770 | <5 | <5 | <10 | <5 | 0.39 | 4.99 |
| | 6/18/2014 | ORC Application | | | | | | | | | | | | |
| | 6/19/2014 | <100 | <100 | <100 | <100 | <100 | 9600 | 9600 | <1.9 | <9.6 | <9.6 | <1.9 | <1.9 | 12 |
| | 9/3/2014 | 7.3 | <5 | <5 | <5 | <5 | 61 | 68.3 | 0.86 J | <5 | <10 | <5 | <5 | 2.96 |
| | 11/24/2014 | 3.4 | <1 | <1 | <1 | <1 | 28 | 31.4 | <5 | <5 | <10 | <5 | <5 | 3.3 |
| | 4/2/2015 | 0.55 J | <1 | <1 | <1 | 1 | 57 | 62.45 | <4.7 | <4.7 | <9.5 | <4.7 | <4.7 | 0 |
| | 6/17/2015 | <5 | <5 | <5 | <5 | <5 | 41 | 41 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/1/2015 | <5 | <5 | <5 | <5 | <5 | 32 | 52 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 11/4/2015 | <1 | <1 | <1 | <1 | <1 | 41 | 41 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 4.7 |
| | 3/30/2016 | <1 | <1 | <1 | <1 | 0.43 J | 35 | 35.43 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 0 |
| | 5/23/2016 | <1 | <1 | <1 | <1 | <1 | 24 | 27 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 0 |
| | 9/7/2016 | 2.7 | <1 | <1 | <1 | <1 | 24 | 29.98 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 0 |
| | 11/3/2016 | <1 | <1 | <1 | <1 | <1 | 7 | 7 | <4.6 | <4.6 | <9.2 | <4.6 | <4.6 | 0 |
| | 2/27/2017 | <1 | <1 | <1 | <1 | <1 | 13 | 13 | <4.8 | <4.8 | <9.6 | <4.8 | <4.8 | 0 |
| | 6/13/2017 | <1 | <1 | <1 | <1 | <1 | 22 | 22 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/17/2017 | <1 | <1 | <1 | <1 | <1 | 25 | 25 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/21/2017 | <1 | <1 | <1 | <1 | <1 | 12 | 12 | <5 | <5 | <10 | <5 | <5 | 4.18 |
| | 2/27/2018 | <1 | <1 | <1 | <1 | <1 | 15 | 15 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 6/11/2018 | <1 | <1 | <1 | <1 | <1 | 19 | 19 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 8/22/2018 | <1 | <1 | <1 | <1 | <1 | 57 | 60.9 | <5 | <5 | <10 | <5 | <5 | 0.35 J |
| | 11/13/2018 | <1 | <1 | <1 | <1 | <1 | 24 | 24.48 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/20/2019 | <1 | <1 | <1 | <1 | <1 | 5.9 | 5.9 | <5 | <5 | <10 | <5 | <5 | 0.46 J |
| | 5/22/2019 | <1 | <1 | <1 | <1 | <1 | 14 | 14 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 9/5/2019 | <2 | <2 | <2 | <2 | <2 | 29 | 29 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 11/20/2019 | <2 | <2 | <2 | <2 | <2 | 21 | 26.9 B | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/5/2020 | <2 | <2 | <2 | <2 | <2 | <2 | 2.03 J | <5 | <5 | <10 | <5 | <5 | 0 |
| | 5/19/2020 | <1 | <1 | <1 | <1 | <1 | 15 | 15 | <5 | <5 | <10 | <5 | <5 | 0.53 J |
| | 8/10/2020 | 0.71 J | <1 | <1 | <1 | <1 | 24 | 24.71 | <5 | <5 | <10 | <5 | <5 | 0.79 J B |
| | No 4th Quarter 2020 Sample. ORC-A Sock application in wells | | | | | | | | | | | | | |
| | 3/23/2021 | <1 | <1 | <1 | <1 | <1 | 1.1 | 1.1 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 3/23/2021 (DUP) | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <5 | <5 | <10 | <5 | <5 | 0 |
| | 5/25/2021 | <1 | <1 | <1 | <1 | <1 | <1 | 5.9J | <5 | <5 | <10 | <5 | <5 | 0.73J |
| | 8/10/2021 | <1 | <1 | <1 | <1 | <1 | 1.1 | 6.7J | <5 | <5 | <10 | <5 | <5 | 0.33J |
| | 8/10/2021 (DUP) | <1 | <1 | <1 | <1 | <1 | <1 | 6.7J | <5 | <5 | <10 | <5 | <5 | 0.33J |
| | 11/8/2021 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 3.1 | 10.5 J | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.42 J |
| | 3/17/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | <0.75 | 0 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0 |
| | 5/23/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 2.2 | 2.2 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 7.3 J |
| | 8/18/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 1.4 | 1.4 | <0.51 H | <0.50 H | <0.61 H | <0.47 H | <0.39 H | 0.64 JH |

**Table 1**
**Groundwater Data Summary**
**Area C**
**Former Buffalo Color Corporation**

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dicholorbenzene | 1,4-Dicholorbenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | -- | 5 | 50 | 5 | 0 | 1 | -- |
| RFI-31A | 11/19/2009 | 1200 | 8.6 J | 1600 | 110 | 9.6 J | 830 | 3758.2 | 7.9 | <5.5 | <11 | <5.5 | 0.47 J | 8.37 |
| | 10/10 - 11/10 | ORC-A Application | | | | | | | | | | | | |
| | 3/24/2011 | 1100 | 7.1 | 1000 | 69 | 9.5 | 680 | 2865.6 | 3.8 J | <25 | <50 | <25 | <25 | 3.8 |
| | 6/29/2011 | 330 | 2 | 200 | 15 | 2.8 | 180 | 729.8 | 0.57 J | <4.8 | <9.6 | <4.8 | <4.8 | 0.57 |
| | 9/30/2011 | 2000 | 8.6 | 340 | 34 | 17 | 1100 | 3499.6 | 25 J | <5.4 | <11 | <5.4 | <5.4 | 25 |
| | 11/25/2011 | 410 | <4 | 180 | 15 | <4 | 320 | 925 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 3/28/2012 | 1900 | 10 | 960 | 69 | 9.7 | 740 | 3688.7 | 0.81 | <4.8 | 2.5 J | <4.8 | <4.8 | 3.31 |
| | 6/22/2012 | 820 | 4.2 | 250 | 22 | 7.5 | 470 | 1573.7 | 0.87 J | <4.7 | 2 J | <4.7 | <4.7 | 2.87 |
| | 9/17/2012 | 230 | <4 | 160 | 11 | 3 J | 180 | 584 | <4.8 | <4.8 | 1.5 J | <4.8 | <4.8 | 6.9 |
| | 12/4/2012 | 250 | <4 | 280 | 18 | <4 | 120 | 668 | <4.9 | <4.9 | <9.8 | <4.9 | <4.9 | 1.2 |
| | 3/27/2013 | 400 | <4 | 780 | 22 | <4 | 37 | 1239 | 4.5 | <4.9 | 1.4 | <4.9 | <4.9 | 8.76 |
| | 6/1/2013 | 400 | <10 | 610 | 22 | <10 | 200 | 1239.5 | 4.1 | <4.7 | 1.4 | <4.7 | <4.7 | 7.9 |
| | 9/5/2013 | 610 | <10 | 1300 | 66 | 10 | 610 | 2596 | 14 | <4.8 | 1.6 | <4.8 | <4.8 | 25.3 |
| | 12/3/2013 | 350 | <10 | 730 | 32 | <10 | 120 | 1232 | 1.3 | <5 | <10 | <5 | <5 | 3.24 |
| | 3/21/2014 | 450 | <10 | 1700 | 86 | 6.7 | 540 | 2782.7 | <5 | <5 | 1.7 | <5 | 0.45 | 11.22 |
| | 6/19/2014 | 130 | <5 | 390 | 19 | <5 | 120 | 664 | <2 | <9.8 | <9.8 | <2 | <2 | 0 |
| | 9/3/2014 | 1100 | 27 | <25 | <25 | <25 | 97 | 1224 | <5 | <5 | <10 | <5 | 1.3 J | 7.06 |
| | 11/24/2014 | 310 | 13 | 5.9 | 49 | 2.3 J | 65 | 445.2 | 1.9 J | <5 | <10 | <5 | <5 | 8.44 |
| | 4/2/2015 | 84 | <25 | <25 | <25 | <25 | <25 | 84 | <4.6 | <4.6 | <9.3 | <4.6 | <4.6 | 0 |
| | 6/17/2015 | 670 | 21 J | <25 | 24 J | <25 | 84 | 799 | <4.7 | <4.7 | <9.4 | <4.7 | <4.7 | 0 |
| | 9/2/2015 | 420 | 15 | 15 | 18 | <10 | 91 | 559 | 0.61 J | <4.8 | <9.6 | <4.8 | <4.8 | 0.61 |
| | 11/5/2015 | 1000 | 35 | 82 | 43 | <20 | 140 | 1300 | 0.92 J | <4.7 | <9.4 | <4.7 | <4.7 | 2.32 |
| | 3/30/2016 | 100 | 4.4 | 120 | 14 | <2 | 4.5 | 244.8 | 1.4 J | <4.7 | 0.63 J | <4.7 | <4.7 | 2.03 |
| | 5/23/2016 | 260 | 10 | 170 | 20 | <5 | 20 | 480 | 0.93 J | <4.7 | <9.4 | <4.7 | <4.7 | 0.93 |
| | 9/7/2016 | 710 | 31 | 550 | 55 | <25 | 120 | 1466 | 2 J | <4.6 | 0.64 J | <4.6 | <4.6 | 2.64 |
| | 11/3/2016 | 580 | 34 | 700 | 66 | <25 | 150 | 1530 | 2.1 J | <4.6 | <9.2 | <4.6 | <4.6 | 3.17 |
| | 2/28/2017 | 29 | <10 | 78 | <10 | <10 | <10 | 126 | 0.61 J | <4.7 | <9.4 | <4.7 | <4.7 | 0.61 |
| | 6/13/2017 | 140 J | 9.9 | 220 J | 18 | <8 | 55 | 442.9 | 0.9 J | <5 | <10 | <5 | <5 | 0.9 |
| | 8/17/2017 | 110 | 5 | 120 | 10 | <10 | 46 | 291 | 1.1 J | <5 | <10 | <5 | <5 | 1.1 |
| | 11/21/2017 | 450 | 33 | 420 | 55 | 1.8 | 150 | 1110.1 | 1.2 J | <5 | <10 | <5 | <5 | 3.21 |
| | 2/27/2018 | 16 | <2 | 8.5 | <2 | <2 | 2.1 | 26.6 | 0.51 J | <5 | <10 | <5 | <5 | 0.51 |
| | 6/11/2018 | 540 | 21 | 93 | 19 | <10 | 93 | 745 | 0.64 J | <5 | <10 | <5 | <5 | 0.86 |
| | 8/22/2018 | 130 | <10 | 51 | <100 | <10 | 40 | 221 | 1.3 J | <5 | <10 | <5 | <5 | 1.71 |
| | 11/13/2018 | 170 | 8.1 J | 28 | <10 | <10 | 18 | 232.8 | <25 | <25 | <50 | <25 | <25 | 0 |
| | 3/20/2019 | 22 | <10 | <10 | <10 | <10 | <10 | 22 | 0.58 J | <5 | <10 | <5 | <5 | 0.9 J |
| | 5/22/2019 | 99 | <10 | 63 | <10 | <10 | 38 | 207.7 | 0.76 J | <5 | 0.86 J | <5 | <5 | 1.62 J |
| | 9/5/2019 | 170 | 7.7 | 32 | 6.4 | <5 | 45 | 265.9 | 2.1 J | <5 | <10 | <5 | <5 | 2.1 J |
| | 11/20/2019 | 160 | 6.3 | 28 | 5.3 | <5 | 18 | 229.6 | 0.74 J | <5 | <10 | <5 | <5 | 1.44 J |
| | 3/5/2020 | 220T | 6.1 | 19 | 5.2 | <5 | 25 | 277.8 | <5 | <5 | <10 | <5 | <5 | 0.65J |
| | 5/19/2020 | 96 | <10 | 12 | <10 | <10 | <10 | 108 | <5 | <5 | <10 | <5 | <5 | 0.83 J |
| | 8/10/2020 | 1500 | 44 | 110 | 38 | <8 | 150 | 1842 | 1.1 J | <5 | <10 | <5 | <5 | 6 J |
| | No 4th Quarter 2020 Sample. ORC-A Sock application in wells | | | | | | | | | | | | | |
| | 3/23/2021 | 710 | 33 | 410 | 110 | 6.2J | 120 | 1446.2J | 5.1J | <25 | <50 | <25 | 8.1J | 19.4J |
| | 5/25/2021 | 140 | 12 | 160 | 54 | <10 | 48 | 484 | 4.2J | <5 | <10 | <5 | 3.1J | 10.37J |
| | 8/10/2021 | 85 | 6.8 | 190 | 42 | <5 | 34 | 357.8 | 1.6J | <5 | <10 | <5 | <5 | 2.9J |
| | 11/8/2021 | 42 | <4 | 130 | 21 | <2.1 | 22 | 215 | 2.1 J | <0.50 | <0.61 | <0.47 | <0.39 | 4.03 J |
| | 3/17/2022 | 66 | 4.5 | 170 | 35 | <1.6 | 32 | 307.5 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0 |
| | 3/17/2022 (DUP) | 64 | 4.9 | 170 | 35 | <1.6 | 32 | 305.9 | 2.3 J | <0.50 | <0.61 | <0.47 | <0.39 | 2.3 J |
| | 5/23/2022 | 250 | 9.9 | 180 | 50 | <1.6 | 29 | 518.9 | 0.64 J | <0.50 | 0.73 J | <0.47 | <0.39 | 8.96 JB |
| | 8/18/2022 | 910 | 30 | 910 | 170 | <1.6 | 110 | 2130 | 0.91 JH | <0.50 | 0.62 JH | <0.47 | <0.39 | 2.04 JH |

Notes:
* - Sample collected from well PS-05 which was replaced by PS-05A after it was destroyed.
** - Results compared to NYSDEC Class GA water quality standards
B - Compound was found in the blank and sample
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
F1 - MS/MSD RPD exceeds control limits; H - re-extracted sample analyzed outside of holding time.
Results for VOCs and SVOCs are shown in ug/L. Results from a field duplicate are shown in the noted row beneath the primary sample result.

Blue cells indicate groundwater monitoring events completed prior to the remediation activities.

**Table 1a**
**Groundwater Data Summary - Metals**
**Area C**
**Former Buffalo Color Corporation**

| | | 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** | | **NS** | **0.003** | **0.025** | **1** | **0.003** | **0.005** | **NS** | **0.05** | **NS** | **0.2** | **0.3** | **0.025** | **35** | **0.3** | **0.0007** | **0.1** | **NS** | **0.01** | **0.05** | **20** | **0.005** | **NS** | **2** |
| MW-C01 | 11/13/2018 | 1.3 | | <0.015 | 0.32 | <0.002 | 0.00075 J | 289 | 0.0076 | 0.0012 J | 0.012 | 3.0 B | 0.019 | 82.5 | 0.51 B | 0.00028 | 0.0066 J | 29.9 | | | 2480 | | 0.0027 J | 0.095 |
| | 3/20/2019 | 6.1 | | 0.015 | 0.56 F1 | <0.002 | 0.0013 J | 757 | 0.018 | 0.0087 | 0.04 | 12.9 | 0.061 | 294 | 1.6 | 0.0016 | 0.015 | 43.9 | | | 9560 | | 0.012 | 0.23 B |
| | 5/22/2019 | 5.4 | | 0.011 J | 0.86 | <0.002 | 0.0015 J | 1030 | 0.018 | 0.011 | 0.048 | 17.3 | 0.22 | 389 | 1.7 | 0.0022 | 0.022 | 33.2 B | | | 11300 B | | 0.015 | 0.35 |
| | 9/5/2019 | 2.4 | | 0.0089 J | 0.44 | <0.002 | 0.00089 J | 667 | 0.011 | 0.0022 J | 0.017 | 7.1 B | 0.04 | 259 | 0.67 | 0.00043 | 0.0077 J | 41.3 | | | 7560 | | 0.0052 | 0.11 |
| | 11/20/2019 | 0.91 | | <0.015 | 0.26 | <0.002 | 0.0013J | 488 | 0.0096 | 0.0042 | 0.019 | 7.9 | 0.017 | 179 | 0.57 B | 0.00018 J | 0.066 | 22.2 | | | 5960 | | 0.0020 J | 0.097 |
| | 3/5/2020 | 3 | | <0.015 | 0.1 | 0.00038 J | <0.0020 | 76.8 | 0.012 | 0.00096 J | 0.016 | 4 | 0.06 | 9.4 | 0.057 B | 0.0011 | 0.0053 J | 6.7 | | | 95 | | 0.011 | 0.097 |
| | 5/19/2020 | 1.4 | | <0.015 | 0.086 | <0.002 | <0.0020 | 69.7 | 0.0084 | < 0.004 | 0.011 | 2.1 | 0.031 | 11.6 | 0.031 B | 0.00045 | 0.0025 J | 12.3 | | | 126 | | 0.0051 | 0.057 |
| MW-C04 | 11/13/2018 | 0.096 J | | <0.015 | 0.63 | <0.002 | <0.0020 | 245 | <0.0040 | <0.0040 | 0.0051 J | 7.4 B | 0.0040 J | 31.8 | 1.1 B | <0.00020 | <0.010 | 10.4 | | | 35.9 | | <0.0050 | 0.0094 J |
| | 3/20/2019 | <0.20 | | <0.015 | 0.43 | <0.002 | <0.0020 | 194 | <0.0041 | <0.0040 | 0.0027 J | 7.8 | <0.010 | 26.6 | 0.91 B | <0.00020 | <0.010 | 6.6 | | | 26.5 | | <0.0050 | 0.0059 J |
| | 5/22/2019 | 0.87 | | <0.015 | 0.48 | <0.002 | <0.0020 | 202 | <0.0042 | 0.00066 J | 0.036 | 7.1 | 0.0079 J | 27.7 | 0.94 | 0.003 | <0.010 | 8.1 B | | | 32.7 B | | 0.0018 J | 0.038 |
| | 9/4/2019 | <0.2 | | <0.015 | 0.37 | <0.002 | <0.0020 | 210 | <0.0043 | <0.0040 | .0050 J | 4.9B | 0.0056 J | 25.8 | 1 | <0.00012 | <0.0013 | 9.6 | | | 47.5 | | <0.0015 | 0.0080J |
| | 11/20/2019 | 0.068 J | | <0.015 | 0.51 | <0.002 | <0.0020 | 224 | <0.0044 | <0.0040 | 0.0063 J | 6.0 | 0.0048 J | 28.5 | 0.99 B | <0.00020 | <0.010 | 9.1 | | | 34.6 | | <0.0050 | 0.0046 J |
| | 3/5/2020 | <0.2 | | <0.015 | 0.42 | <0.002 | <0.0020 | 188 | <0.0045 | <0.0040 | <0.010 | 6.1 | <0.010 | 25.7 | 0.85 B | <0.00020 | <0.010 | 6.6 | | | 24 | | <0.0050 | 0.0076 J |
| | 5/19/2020 | 0.12 J | | <0.015 | 0.37 | <0.002 | <0.0020 | 203 | <0.0046 | <0.0040 | 0.0059 J | 5.5 | <0.010 | 25.9 | 1.0 B | <0.00020 | <0.010 | 7.4 | | | 29.9 | | <0.0050 | 0.012 |
| | 8/10/2020 | 0.22 | | <0.015 | 0.44 | <0.002 | <0.0020 | 194 | <0.0047 | <0.0040 | 0.0076 J | 4.3 | 0.0062 J | 24.8 | 0.87 B | 0.00017 J | <0.010 | 9.8 | | | 38.7 | | <0.0050 | 0.013 B |
| | No Sample Collected Q4 2020. ORC-A Socks in Wells | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/23/2021 | <0.20 | <0.020 | <0.015 | 0.14 | <0.0020 | <0.0020 | 250 | 0.0012J | 0.00078J | 0.0058J | 6.4 | <0.010 | 35.8 | 1.4B | <0.00020 | <0.010 | 8.3 | <0.025 | <0.0060 | 86.7 | <0.020 | <0.0050 | 0.044 |
| | 5/25/2021 | <0.20 | <0.020 | <0.015 | 0.1 | <0.0020 | <0.0020 | 295 | <0.0040 | <0.0040 | 0.0043J | 10.6 | <0.010 | 46.2 | 1.7 | <0.00020 | <0.010 | 11.0B | <0.025 | <0.0060 | 141 | <0.020 | <0.0050 | 0.034 |
| | 5/25/2021 (DUP) | <0.20 | <0.20 | <0.015 | 0.11 | <0.0020 | <0.0020 | 306 | <0.0040 | <0.0040 | 0.0045J | 11 | <0.010 | 48 | 1.8 | <0.00020 | <0.010 | 11.5B | <0.025 | <0.0060 | 144 | <0.020 | <0.0050 | 0.033 |
| | 8/16/2021 | <0.20 | <0.020 | <0.015 | 0.14 | <0.0020 | <0.0020 | 249 | <0.0040 | <0.0040 | 0.0020J | 10.6 | <0.010 | 33.9 | 1.3 | <0.00020 | <0.010 | 12.3 | <0.025 | <0.0060 | 118 | <0.020 | <0.0050 | 0.025B |
| | 11/8/2021 | 0.082 J | <0.0068 | <0.0056 | 0.45 | <0.00030 | <0.00050 | 251 | 0.0012 J | <0.00063 | 0.0051 J | 5.9 | <0.0030 | 36.4 | 0.91 | <0.000043 | 0.0013 J | 12.8 | <0.0087 | <0.0017 | 134 | <0.010 | <0.0015 | 0.011 |
| | 11/8/2021 (DUP) | 0.078 J | <0.0068 | <0.0056 | 0.43 | <0.00030 | <0.00050 | 249 | <0.0010 | <0.00063 | 0.0044 J | 5.8 | <0.0030 | 36.4 | 0.91 | <0.000043 | <0.0013 | 12.6 | <0.0087 | <0.0017 | 134 | <0.010 | <0.0015 | 0.011 |
| | 3/17/2022 | <0.060 | <0.0068 | <0.0056 | 0.41 | <0.00030 | <0.00050 | 234 | <0.0010 | <0.00063 | 0.0017 J | 7.8 | 0.0032 J | 33.5 | 0.94 | <0.000043 | 0.0042 J | 9.8 B | <0.0087 | <0.0017 | 105 | <0.010 | <0.0015 | 0.012 |
| | 5/23/2022 | <0.060 | <0.0068 | <0.0056 | 0.6 | <0.00030 | <0.00050 | 225 | <0.0010 | <0.00063 | <0.0016 | 3.3 | 0.0038 J | 33.7 | 0.73 | <0.000043 | <0.0013 | 11.4 BT | <0.0087 | <0.0017 | 101 | <0.010 | <0.0015 | 0.0054 BJ |
| | 5/23/2022 (DUP) | <0.060 | <0.0068 | <0.0056 | 0.59 | <0.00030 | <0.00050 | 225 | <0.0010 | <0.00063 | <0.0016 | 3.3 | 0.0045 J | 35 | 0.75 | <0.000043 | <0.0013 | 11.1 BT | <0.0087 | <0.0017 | 101 | <0.010 | <0.0015 | 0.005 BJ |
| | 8/18/2022 | <0.060 | <0.0068 | <0.0056 | 1.4 | <0.00030 | <0.00050 | 240 | <0.0010 | <0.00063 | <0.0016 | 2.6 | <0.0030 | 30.7 T | 0.77 T | <0.000043 | <0.0013 | 13.4 | <0.0087 | <0.0017 | 83.6 | <0.010 | <0.0015 | 0.004 J |
| | 8/18/2022 (DUP) | <0.060 | <0.0068 | <0.0056 | 1.3 | <0.00030 | <0.00050 | 233 | <0.0010 | <0.00063 | <0.0016 | 2.5 | <0.0030 | 29.4 | 0.73 | <0.000043 | <0.0013 | 13 | <0.0087 | <0.0017 | 79.8 | <0.010 | <0.0015 | 0.0021 J |
| PS-04A | 11/13/2018 | 0.066 J | | <0.015 | 0.05 | <0.002 | 0.009 | 254 | 0.0011 J | 0.0039 J | 0.047 | 0.14 B | <0.010 | 33.2 | 0.013 B | <0.00020 | 0.067 | 10.2 | | | 21.9 | | <0.0050 | 0.47 |
| | 3/20/2019 | <0.20 | | <0.020 | 0.03 | <0.002 | 0.007 | 186 | <0.0040 | 0.0036 J | 0.043 | 0.087 | <0.010 | 25.3 | 0.0087 B | <0.00020 | 0.053 | 7.3 | | | 20.2 | | <0.0050 | 0.43 |
| | 5/22/2019 | <0.20 | | <0.015 | 0.033 | <0.002 | 0.0065 | 178 | <0.0040 | 0.0088 | 0.064 | 0.063 | <0.010 | 30.1 | 0.013 | <0.00020 | 0.07 | 7.5 B | | | 18.8 B | | <0.0050 | 0.43 |
| | 9/4/2019 | No sample collected, well damaged | | | | | | | | | | | | | | | | | | | | | | |
| | 11/20/2019 | No sample collected, well damaged | | | | | | | | | | | | | | | | | | | | | | |
| | 3/5/2020 | No sample collected, well damaged | | | | | | | | | | | | | | | | | | | | | | |
| | 5/19/2020 | No sample collected, well damaged | | | | | | | | | | | | | | | | | | | | | | |
| | 8/10/2020 | No sample collected, well damaged | | | | | | | | | | | | | | | | | | | | | | |
| PS-05A | 11/13/2018 | 0.063J | | 0.18 | 0.02 | <0.002 | <0.0020 | 268 | <0.0040 | 0.0013 J | <0.010 | 31.0 B | <0.010 | 25.7 | 0.38 B | <0.00020 | 0.0031 J | 15.7 | | | 109 | | <0.0050 | 0.028 |
| | 3/20/2019 | 0.31 | | 0.032 | 0.014 | <0.002 | <0.0020 | 196 | <0.0040 | <0.0040 | 0.0017 J | 8 | 0.01 | 21.7 | 0.21 B | <0.00020 | 00014 J | 10.1 | | | 99.6 | | <0.0050 | 0.056 |
| | 5/22/2019 | <0.20 | | 0.068 | 0.016 | <0.002 | <0.0020 | 213 | <0.0040 | <0.0040 | <0.010 | 17.1 | <0.010 | 23 | 0.25 | <0.00020 | <0.010 | 12.4 B | | | 99.7 B | | <0.0050 | 0.015 |
| | 9/5/2019 | <0.20 | | 0.27 | 0.023 | <0.002 | <0.0020 | 239 | <0.0040 | 0.0026 J | 0.0028 J | 17.1 B | 0.0055 J | 22.2 | 0.45 | <0.00020 | 0.0029 J | 14.4 | | | 83.7 | | <0.0050 | 0.086 |
| | 11/20/2019 | <0.20 | | 0.076 | 0.019 | <0.002 | <0.0020 | 212 | <0.0040 | <0.0040 | 0.0046 J | 16 | <0.010 | 20.3 | 0.24 B | <0.00020 | 0.0030 J | 13.8 | | | 158 | | <0.0050 | 0.019 |
| | 3/5/2020 | <0.20 | | 0.036 | 0.015 | <0.002 | <0.0020 | 176 | <0.0040 | <0.0040 | 0.0035 J | 1.9 | <0.010 | 18.7 | 0.070 B | <0.00020 | 0.0015 J | 10.6 | | | 139 | | <0.0050 | 0.054 |
| | 5/19/2020 | <0.20 | | 0.082 | 0.019 | <0.002 | <0.0020 | 211 | <0.0040 | <0.0040 | <0.010 | 14.1 | 0.0050 J | 21.9 | 0.34B | <0.00020 | 0.0014 J | 12.2 | | | 86.4 | | <0.0050 | 0.038 |
| | 8/10/2020 | <0.20 | | 0.098 | 0.033 | <0.002 | <0.0020 | 199 | <0.0040 | <0.0040 | <0.010 | 0.38 | 0.0032 J | 28.9 | 0.056 B | <0.00020 | <0.010 | 15.6 | | | 140 | | <0.0050 | 0.0079 J B |
| | No Sample Collected Q4 2020. ORC-A Socks in Wells | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/23/2021 | 0.15J | <0.020 | 0.03 | 0.036 | <0.0020 | 0.0006J | 105 | <0.0040 | 0.00064J | 0.01 | 0.17 | <0.010 | 25.7 | 0.0086B | <0.00020 | 0.002J | 4.2 | <0.025 | <0.0060 | 68.6 | <0.020 | <0.0050 | 0.012 |
| | 5/25/2021 | 0.53 | <0.020 | 0.038 | 0.092 | <0.0020 | 0.00081J | 284 | 0.0012J | 0.0012J | 0.0095J | 0.87 | <0.010 | 68.4 | 0.068 | <0.00020 | 0.0042J | 6.7B | <0.025 | <0.0060 | 170 | <0.020 | <0.0050 | 0.025 |
| | 8/16/2021 | 0.074J | <0.020 | 0.11 | 0.078 | <0.0020 | <0.0020 | 172 | <0.0040 | <0.0040 | 0.0022J | 5.3 | <0.010 | 32.3 | 0.11 | <0.00020 | 0.0042J | 7.6 | <0.025 | <0.0060 | 86.7 | <0.020 | <0.0050 | 0.0063BJ |
| | 11/8/2021 | 0.12 J | <0.0068 | 0.024 | 0.053 | <0.00030 | <0.00050 | 116 | 0.0012 J | <0.00063 | 0.0044 J | 1 | <0.0030 | 28.1 | 0.034 | <0.000043 | 0.0028 J | 7 | <0.0087 | <0.0017 | 45.6 | <0.010 | 0.0026 J | 0.0042 J |
| | 3/17/2022 | 0.18 J | <0.0068 | 0.0083 J | 0.052 | <0.00030 | <0.00050 | 109 | 0.0014 J | <0.00063 | 0.0042 J | 0.63 | <0.0030 | 21.2 | 0.018 | <0.000043 | 0.0017 J | 4.6 B | <0.0087 | <0.0017 | 35.7 | <0.010 | <0.0015 | 0.0092 J |
| | 5/23/2022 | 0.11 J | <0.0068 | 0.013 J | 0.068 | <0.00030 | <0.00050 | 136 | 0.0011 J | <0.00063 | <0.0016 | 3.8 | 0.0049 J | 25.9 | 0.066 | <0.000043 | 0.0019 J | 5.3 | <0.0087 | <0.0017 | 44.8 | <0.010 | <0.0015 | 0.0018 BJ |
| | 8/18/2022 | <0.060 | <0.0068 | 0.0091 J | 0.082 | <0.00030 | <0.00050 | 161 | 0.0015 J | <0.00063 | <0.0016 | 2.9 | <0.0030 | 25.8 | 0.071 | <0.000043 | <0.0013 | 7.1 | <0.0087 | <0.0017 | 77.1 | <0.010 | <0.0015 | <0.0015 |

**Table 1a**
**Groundwater Data Summary - Metals**
**Area C**
**Former Buffalo Color Corporation**

| | | 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** | | **NS** | **0.003** | **0.025** | **1** | **0.003** | **0.005** | **NS** | **0.05** | **NS** | **0.2** | **0.3** | **0.025** | **35** | **0.3** | **0.0007** | **0.1** | **NS** | **0.01** | **0.05** | **20** | **0.005** | **NS** | **2** |
| PS-06 | 11/13/2018 | 0.13 J | | 0.097 | 0.012 | <0.002 | <0.0020 | 226 | 0.0018 J | <0.0040 | <0.010 | 41.8 B | <0.010 | 9.7 | <0.19 B | <0.00020 | 0.0030 J | 62.1 | | | 64.9 | | <0.0050 | 0.0097 J |
| | 3/20/2019 | 0.064 J | | 0.064 | 0.0086 | <0.002 | <0.0020 | 212 | <0.0040 | <0.0040 | <0.010 | 33.6 | <0.010 | 9.9 | 0.16 B | <0.00020 | <0.010 | 43.7 | | | 37.8 | | <0.0050 | 0.0038 J |
| | 5/22/2019 | <0.20 | | 0.063 | 0.0081 | <0.002 | <0.0020 | 188 | <0.0040 | <0.0040 | <0.010 | 26.5 | <0.010 | 8.8 | 0.15 | <0.00020 | <0.010 | 42.9 B | | | 35.8 B | | <0.0050 | <0.010 |
| | 9/5/2019 | 0.089 J | | <0.015 | 0.36 | <0.002 | <0.0020 | 203 | <0.0040 | <0.0040 | 0.0064 J | 4.8 B | 0.0056 J | 24.9 | 0.98 | <0.00020 | <0.010 | 9.5 | | | 43.3 | | <0.0050 | 0.0074 J |
| | 11/20/2019 | 0.10 J | | 0.078 | 0.011 | <0.002 | <0.0020 | 219 | <0.0040 | <0.0040 | 0.0042 J | 33.8 | 0.0042 J | 8.6 | 0.17 B | <0.00020 | <0.010 | 51.8 | | | 47.3 | | <0.0050 | 0.0057 J |
| | 3/5/2020 | <0.20 | | 0.087 | 0.0097 | <0.002 | <0.0020 | 221 | 0.0011 J | <0.0040 | <0.010 | 33.4 | <0.010 | 9.4 | 0.16 B | <0.00020 | <0.010 | 43.7 | | | 38.3 | | <0.0050 | 0.0046 J |
| | 5/19/2020 | <0.20 | | 0.061 | 0.0089 | <0.002 | <0.0020 | 218 | <0.0040 | <0.0040 | <0.010 | 30.4 | 0.0067 J | 10 | 0.16 B | <0.00020 | <0.010 | 41.9 | | | 40 | | <0.0050 | 0.0046 J |
| | 8/10/2020 | No sample collected | | | | | | | | | | | | | | | | | | | | | | |
| RFI-20A | 11/13/2018 | 0.077 J | | <0.015 | 0.067 | <0.002 | <0.0020 | 236 | <0.0040 | <0.0040 | <0.010 | 5.9 B | <0.010 | 22.3 | 0.36 B | <0.00020 | 0.0035 J | 8.9 | | | 28.3 | | <0.0050 | <0.0092 J |
| | 3/20/2019 | <0.20 | | <0.015 | 0.041 | <0.002 | <0.0020 | 119 | <0.0040 | <0.0040 | <0.010 | 8.2 | <0.010 | 13.3 | 0.31 B | <0.00020 | 0.0015 J | 4.3 | | | 20.4 | | 0.0017 J | 0.0081 J |
| | 5/22/2019 | <0.20 | | <0.015 | 0.048 | <0.002 | <0.0020 | 148 | <0.0040 | <0.0040 | <0.010 | 4.5 | <0.010 | 16.7 | 0.28 | <0.00020 | 0.0053 | 6.4 B | | | 22.2 B | | <0.0015 | 0.0031 J |
| | 9/5/2019 | <0.20 | | 0.083 | 0.012 | <0.002 | <0.0020 | 217 | <0.0040 | <0.0040 | <0.0017 J | 33.0 B | 0.0059 J | 9.4 | 0.18 | <0.00020 | <0.010 | 52.5 | | | 60.4 | | <0.0050 | 0.014 |
| | 11/20/2019 | <0.20 | | 0.0095 J | 0.066 | <0.002 | <0.0020 | 238 | <0.0040 | <0.0040 | 0.0034 J | 11.1 | 0.0030 J | 18.5 | 0.49 B | <0.00020 | <0.010 | 9 | | | 28.4 | | <0.0050 | 0.0029 J |
| | 3/5/2020 | <0.20 | | 0.015 | 0.063 | <0.002 | <0.0020 | 178 | <0.0040 | <0.0040 | <0.010 | 12.6 | <0.010 | 18.9 | 0.33 B | <0.00020 | 0.0016 J | 6.6 | | | 26.4 | | <0.0050 | 0.0026 J |
| | 5/19/2020 | <0.20 | | <0.015 | 0.052 | <0.002 | <0.0020 | 153 | <0.0040 | <0.0040 | <0.010 | 5.8 | 0.0034 J | 18 | 0.27 B | <0.00020 | 0.0042 J | 6.8 | | | 27.1 | | <0.0050 | 0.054 |
| | 8/10/2020 | 0.06 J | | 0.0087 J | 0.043 | <0.002 | <0.0020 | 147 | <0.0040 | <0.0040 | <0.010 | 3.6 | 0.0030 J | 13.6 | 0.25 B | <0.00020 | 0.0022 J | 8.4 | | | 27.1 F1 | | <0.0050 | 0.016 B |
| | No Sample Collected Q4 2020. ORC-A Socks in Wells | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/23/2021 | 0.11J | <0.020 | 0.0056J | 0.057 | <0.0020 | <0.0020 | 273 | 0.001J | 0.0011J | <0.010 | 15.7 | 0.0037J | 19 | 0.75B | <0.00020 | 0.0026J | 8.1 | <0.025 | <0.0060 | 58.1 | <0.020 | <0.0050 | 0.047 |
| | 3/23/2021 (DUP) | 0.12J | <0.020 | 0.0071J | 0.057 | <0.0020 | <0.0020 | 268 | 0.0014J | 0.0010J | <0.010 | 15.6 | 0.0032J | 18.7 | 0.75B | <0.00020 | 0.0026J | 8.1 | <0.025 | <0.0060 | 58.2 | <0.020 | <0.0050 | 0.047 |
| | 5/25/2021 | 0.27 | <0.020 | <0.015 | 0.095 | <0.0020 | 0.00054J | 475 | 0.0046 | 0.0014J | 0.0056J | 12.7 | <0.010 | 30.2 | 1 | <0.00020 | 0.0064J | 10.3B | <0.025 | <0.0060 | 58.5 | <0.020 | 0.0031J | 0.088 |
| | 8/16/2021 | 0.093J | <0.020 | 0.0092J | 0.082 | <0.0020 | 0.00053J | 292 | <0.0040 | 0.0021J | 0.0030J | 7.4 | <0.010 | 17.6 F1 | 0.84 | <0.00020 | 0.011 | 11.6 | <0.025 | <0.0060 | 64.4 | <0.020 | 0.0015J | 0.13B |
| | 8/16/2021 (DUP) | 0.089J | <0.020 | 0.0095J | 0.083 | <0.0020 | 0.00055J | 280 | <0.0040 | 0.0020J | 0.0025J | 8.2 | <0.010 | 17.8 | 0.81 | <0.00020 | 0.011 | 11.7 | <0.025 | <0.0060 | 64.8 | <0.020 | <0.0050 | 0.14B |
| | 11/8/2021 | 0.28 | <0.0068 | <0.0056 | 0.055 | <0.00030 | <0.00050 | 216 | 0.0049 | 0.00096 J | 0.005 J | 0.68 | <0.0030 | 19.9 | 0.26 | <0.000043 | 0.0061 J | 11.1 | <0.0087 | <0.0017 | 68.3 | <0.010 | 0.012 | 0.046 |
| | 3/17/2022 | 0.12 J | 0.007 J | 0.073 | 0.087 | <0.00030 | <0.00050 | 252 | <0.0010 | 0.0011 J | <0.0016 | 47.5 | 0.0039 J | 15.5 | 0.52 | <0.000043 | 0.005 J | 8.9 B | <0.0087 | <0.0017 | 58.5 | <0.010 | 0.0016 J | 0.2 |
| | 3/17/2022 *FILTERED* | <0.060 | <0.0068 | 0.0098 J | 0.05 | <0.00030 | <0.00050 | 247 | <0.0010 | 0.0011 J | <0.0016 | 6.8 | <0.0030 | 15.2 | 0.5 | <0.000043 | 0.0032 J | 8.7 B | <0.0087 | <0.0017 | 54.2 | <0.010 | <0.0015 | 0.087 |
| | 5/23/2022 | 0.28 | <0.0068 | <0.0056 | 0.056 | <0.00030 | <0.00050 | 251 | <0.0010 | 0.0016 J | <0.0016 | 6 | <0.0030 | 16.4 | 0.48 | <0.000043 | 0.0053 J | 10.6 BT | <0.0087 | <0.0017 | 58.1 | <0.010 | <0.0015 | 0.098 B |
| | 8/18/2022 | 0.087 J | <0.0068 | <0.0056 | 0.061 | <0.00030 | <0.00050 | 258 | <0.0010 | 0.0016 J | <0.0016 | 7.6 | <0.0030 | 16.4 | 0.47 | <0.000043 | 0.0057 J | 11.5 | <0.0087 | <0.0017 | 57.4 | <0.010 | <0.0015 | 0.079 |
| RFI-31A | 11/13/2018 | 0.13 J | | <0.015 | 0.022 | <0.002 | 0.00081 J | 355 | 0.0017 J | 0.0028 J | <0.010 | 0.71 | <0.010 | 114 | 1.4 | <0.00020 | 0.0054 J | 15.6 | | | 1960 | | <0.0050 | 0.0099 J |
| | 3/20/2019 | <0.20 | | <0.015 | 0.02 | <0.002 | <0.0020 | 424 | <0.0040 | 0.0029 J | 0.0019 J | 0.67 | <0.010 | 150 | 1.5 B | 0.00012 J | 0.0043 J | 14.2 | | | 2330 | | <0.0050 | 0.0065J |
| | 5/22/2019 | <0.20 | | <0.015 | 0.018 | <0.002 | <0.0020 | 392 | <0.0040 | 0.0028 J | 0.0026 J | 1.1 | <0.010 | 147 | 1.3 | 0.00032 | 0.0036 J | 11.2 B | | | 1990 B | | <0.0050 | 0.0033 J |
| | 9/5/2019 | <0.20 | | <0.015 | 0.018 | <0.002 | <0.0020 | 336 | <0.0040 | 0.0025 J | 0.0026 | 0.51 B | 0.0030 J | 112 | 1.5 | <0.00020 | 0.0032 J | 20 | | | 1990 | | <0.0050 | 0.0058 J |
| | 11/20/2019 | <0.20 | | <0.015 | 0.019 | <0.002 | 0.0011 J | 339 | <0.0040 | 0.0035 J | 0.0049 J | 0.9 | <0.010 | 111 | 1.6 B | <0.00020 | 0.0081 J | 15.7 | | | 2090 | | <0.0050 | 0.0054 J |
| | 3/5/2020 | <0.20 | | <0.015 | 0.018 | <0.002 | 0.00078 J | 377 | <0.0040 | 0.0025 J | <0.010 | 0.33 | <0.010 | 135 | 1.3 B | <0.00020 | 0.0035 J | 12.2 | | | 1990 | | <0.0050 | 0.0062 J |
| | 5/19/2020 | 0.064 J | | <0.015 | 0.016 | <0.002 | 0.00073 J | 324 | <0.0040 | 0.0016 J | <0.010 | 0.32 | <0.010 | 114 | 1.2 B | <0.00020 | 0.0032 J | 10.3 | | | 1790 | | <0.0050 | 0.0077 J |
| | 8/10/2020 | 0.22 | | <0.015 | 0.016 | <0.002 | 0.00058 J | 283 | <0.0040 | 0.0034 J | <0.010 | 0.9 | <0.010 | 96.4 | 1.3 B | <0.00020 | 0.0037 J | 10.2 | | | 1720 | | <0.0050 | 0.0073 BJ |
| | No Sample Collected Q4 2020. ORC-A Socks in Wells | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/23/2021 | 0.14J | <0.020 | 0.0063J | 0.028 | <0.0020 | <0.0020 | 481 | 0.0064 | <0.0040 | 0.011 | 0.14 | <0.010 | 7.8 | 0.029B | <0.00020 | 0.0025J | 8.7 | <0.025 | <0.0060 | 1,870 | <0.020 | 0.01 | 0.0022J |
| | 5/25/2021 | 0.061J | <0.020 | <0.015 | 0.018 | <0.0020 | <0.0020 | 367 | 0.0014J | <0.0040 | 0.0065J | 0.15 | <0.010 | 4.2 | 0.033 | <0.00020 | 0.0021J | 9.3B | <0.025 | <0.0060 | 1,820 | <0.020 | 0.0072 | <0.010 |
| | 8/16/2021 | <0.20 | <0.020 | <0.015 | 0.017 | <0.0020 | <0.0020 | 287 | <0.0040 | <0.0040 | 0.0035J | 0.12 | <0.010 | 23.3 | 0.036 | <0.00020 | 0.0023J | 8.7 | <0.025 | <0.0060 | 356 | <0.020 | <0.0050 | 0.015B |
| | 11/8/2021 | <0.060 | <0.0068 | <0.0056 | 0.023 | <0.00030 | <0.00050 | 289 | 0.0014 J | <0.00063 | 0.0041 J | 0.2 | 0.0035 J | 31.8 | 0.032 | <0.000043 | 0.0058 J | 9.6 | <0.0087 | <0.0017 | 1680 | <0.010 | 0.0023 J | 0.019 |
| | 3/17/2022 | 0.092 J | <0.0068 | <0.0056 | 0.024 | <0.00030 | <0.00050 | 317 | 0.0025 J | <0.00063 | 0.0026 J | 0.22 | <0.0030 | 21.8 | 0.096 | <0.000043 | <0.0013 | 11.2 B | <0.0087 | <0.0017 | 1710 | <0.010 | 0.0046 J | 0.011 |
| | 3/17/2022 (DUP) | 0.088 J | <0.0068 | <0.0056 | 0.024 | <0.00030 | <0.00050 | 327 | <0.0010 | <0.00063 | <0.0016 | 0.2 | <0.0030 | 23.2 T | 0.1 | <0.000043 | <0.0013 | 11.3 B | <0.0087 | <0.0017 | 1800 | <0.010 | 0.0043 J | 0.0086 J |
| | 5/23/2022 | 2.6 | <0.0068 | 0.013 J | 0.047 | <0.00030 | <0.00050 | 395 | 0.0072 | 0.0012 J | 0.0021 J | 3.3 | 0.068 | 68.6 | 0.36 | 0.0002 | 0.0075 J | 10.5 BT | <0.0087 | <0.0017 | 1660 | <0.010 | 0.01 | 0.059 B |
| | 8/18/2022 | <0.060 | <0.0068 | 0.009 J | 0.027 | <0.00030 | <0.00050 | 233 | <0.0010 | <0.00063 | <0.0016 | 0.9 | <0.0030 | 70.3 | 0.64 | <0.000043 | 0.0046 J | 11.2 | <0.0087 | <0.0017 | 1530 | <0.010 | <0.0015 | 0.022 |

Notes:
* - Sample collected from well PS-05 which was replaced by PS-05A after it was destroyed.
** - Results compared to NYSDEC Class GA water quality standards
*FILTERED* - total metals results reported from a field filtered (0.45 micron) sample.
B - Compound was found in the blank and sample
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Results from a field duplicate are shown on separate row beneath the primary sample.
F1 - MS/MSD RPD exceeds control limits
Results are shown in mg/L

**Table 1b**
**VOC/SVOC Non-Trend Groundwater Data Summary**
**Area C**
**Former Buffalo Color**

| Well ID | Sample Date | Analyte: | 1,1-DICHLOROETHANE | CIS-1,2-DICHLOROETHYLENE | CHLOROFORM | METHYLENE CHLORIDE | TRICHLOROETHYLENE (TCE) | 2,4,5-TRICHLOROPHENOL | 4-CHLOROANILINE | 4-METHYLPHENOL (P-CRESOL) | CAPROLACTAM | CARBAZOLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Class GA Standard (ug/L): | 5 | NA | 7 | 5 | 5 | NA | 5 | NA | NA | NA |
| MW-C01 | 11/20/2019 | | 0.93 J | 18 | ND | 5 B | 0.98 J | ND | ND | ND | 2.4 J | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | 1.4 J | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-C04 | 11/20/2019 | | ND | ND | ND | 20 B | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | 5.4 J | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | 5.4 J | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/25/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/16/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/17/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PS-05A | 11/20/2019 | | ND | ND | ND | 10 B | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | 3.6 J | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/25/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/16/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PS-06 | 11/20/2019 | | 0.93 J | ND | ND | 5.3 B | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | 1 J | ND | ND | 1.8 J | ND | ND | ND | ND | ND | 0.38 J |
| RFI-20 | 11/20/2019 | | ND | ND | ND | 5.9 B | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | 0.93 J | ND | 1.1 J | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/25/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/16/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| RFI-31 | 11/20/2019 | | ND | ND | ND | 12 B | ND | 0.70 J | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | 2.5 J | ND | ND | ND | 0.65 J | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | 1.3 J | 2.3 J | 0.46 J | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | ND | 6.2J | ND | ND | ND | ND |
| | 5/25/2021 | | ND | ND | ND | ND | ND | 1.4J | ND | ND | ND | ND |
| | 8/16/2021 | | ND | ND | ND | ND | ND | 1.3 J | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | ND | 1.4 J | ND | ND | ND | ND |
| | 3/17/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | ND | ND | ND | ND | 0.69 J | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | ND | ND | ND | 0.51 JH | ND | ND | ND | ND |

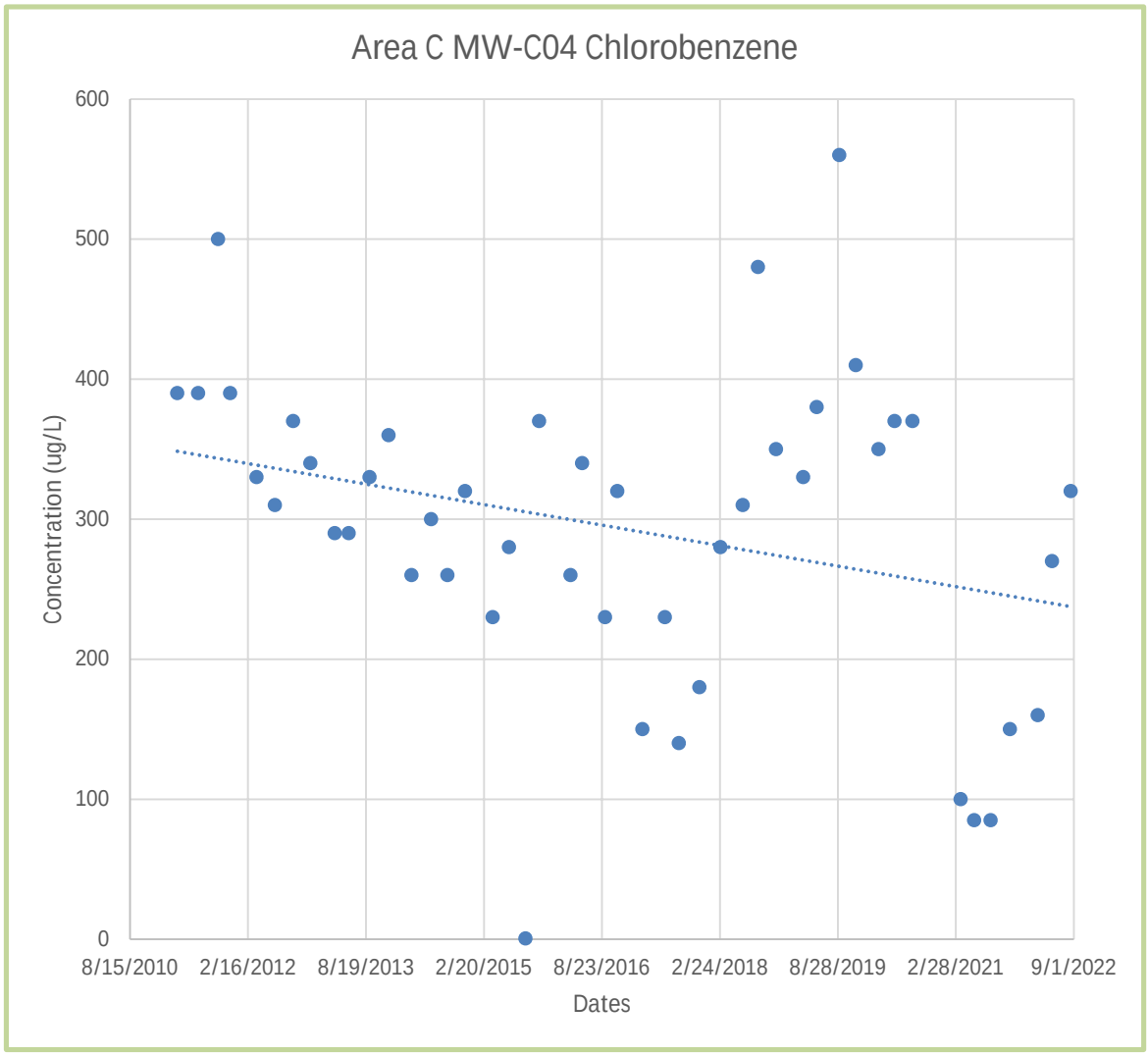
**Table 1b**
**VOC/SVOC Non-Trend Groundwater Data Summary**
**Area C**
**Former Buffalo Color**

| Well ID | Sample Date | Analyte: | DIETHYL PHTHALATE | DI-N-BUTYL PHTHALATE | FLUORANTHENE | PYRENE | 2-CHLOROPHENOL | N-NITROSODIPHENYLAMINE | PHENANTHRENE | Benzaldehyde | Naphthalene | Aceetone | Nitrobenzene | Benzyl Butyl Phthalate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Class GA Standard (ug/L): | 50 | 50 | 50 | 50 | NA | 50 | 50 | NA | 10 | 50 | 0.4 | 50 |
| MW-C01 | 11/20/2019 | | ND | ND | 0.53 J | 0.38 J | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | 2.8 J | 2.3 J | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | 1.7 J | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-C04 | 11/20/2019 | | ND | ND | ND | ND | 1.4 J | 1.1 J | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | 1.5 J | 0.73 J | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | 2.2 J | 0.98 J | 0.49 BJ | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | 0.50 BJ | ND | ND | 2.3 J | 1.2 J | ND | ND | ND | ND | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | 1J | ND | ND | 0.34J | 1.1J | ND | ND | ND |
| | 5/25/2021 | | ND | 0.37J | ND | ND | 0.96J (0.94 J) | ND | ND | ND | ND | ND | ND | ND |
| | 8/16/2021 | | ND | 0.41J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | 0.66 J (0.84 J) | 0.71 J (0.79J) | ND | ND | ND | ND | ND | 1 J (ND) |
| | 3/17/2022 | | ND | ND | ND | ND | 0.71 J | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | 5.4 B 5.3 B | ND | ND | 0.61 J (0.7) | 0.63 J (0.68 J) | ND | ND | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.37 JH (0.43 JH) | ND |
| PS-05A | 11/20/2019 | | ND | ND | ND | ND | 1.2 J | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | 2.1 J | ND | 0.59 BJ | ND | ND | ND | ND | ND |
| | 8/10/2020 | | ND | 0.52 BJ | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | ND | ND | ND | 0.38J | ND | ND | ND | ND |
| | 5/25/2021 | | ND | 0.54 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/16/2021 | | 0.45J | 0.35 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | 0.56 J | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | 6 B | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PS-06 | 11/20/2019 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | ND | ND | 0.55 BJ | ND | ND | ND | ND | ND |
| RFI-20 | 11/20/2019 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | ND | ND | ND | ND | ND | ND | 0.53 BJ | ND | ND | ND | ND | ND |
| | 8/10/2020 | | 0.27 BJ | 0.52 BJ | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/25/2021 | | ND | 0.73 J | ND | ND | ND | ND | ND | ND | ND | 5.9 J | ND | ND |
| | 8/16/2021 | | ND | 0.33 J (0.35 J) | ND | ND | ND | ND | ND | ND | ND | 6.7 J (6 J) | ND | ND |
| | 11/8/2021 | | ND | 0.42 J | ND | ND | ND | ND | ND | ND | ND | 7.4 J | ND | ND |
| | 5/23/2022 | | ND | 7.3 B | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | ND | ND | ND | ND | 0.64 JH | ND | ND | ND | ND | ND |
| RFI-31 | 11/20/2019 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2020 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/19/2020 | | 0.35 J | ND | ND | ND | ND | ND | 0.48 BJ | ND | ND | ND | ND | ND |
| | 8/10/2020 | | 0.33 BJ | 0.51 BJ | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/23/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | 57 J | ND | ND |
| | 5/25/2021 | | ND | 0.57J | ND | ND | 1.1J | ND | ND | ND | ND | 70 J | ND | ND |
| | 8/16/2021 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 11/8/2021 | | ND | ND | ND | ND | 0.53 J | ND | ND | ND | ND | ND | ND | ND |
| | 3/17/2022 | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 5/23/2022 | | ND | 6.9 B | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 8/18/2022 | | ND | ND | 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; H= analyzed outside of holding time

Yellow highlighted cells indicate an exceedance of Class GA standard shown.
Results from a field duplicate are shown within a parenthetical of the primary sample results. Exceedances for sample with primary/duplicate are based on the higher of the two values.

**Table 2**
**MW-C04 Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**



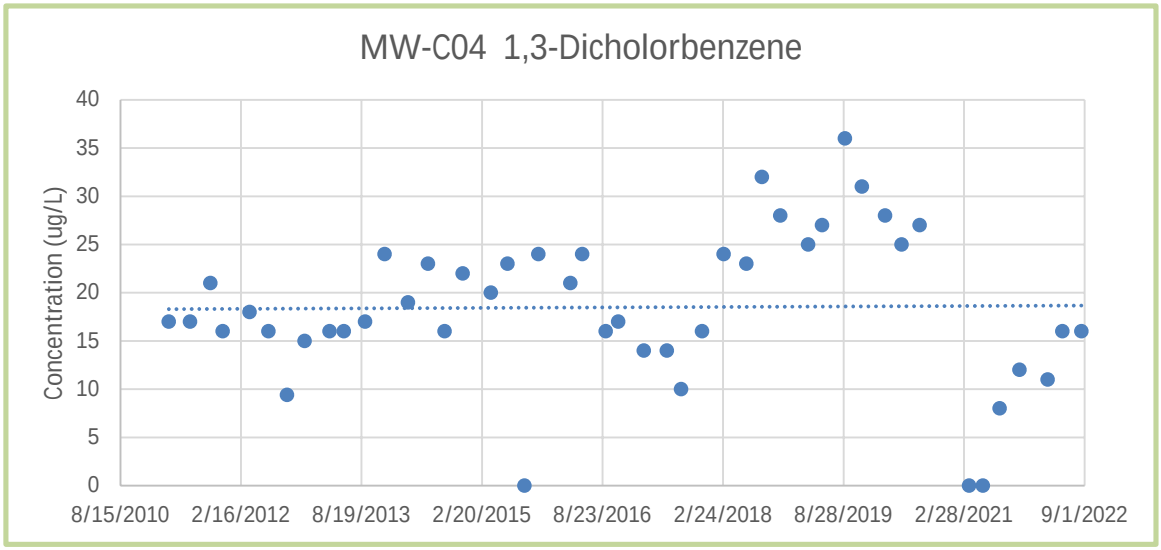
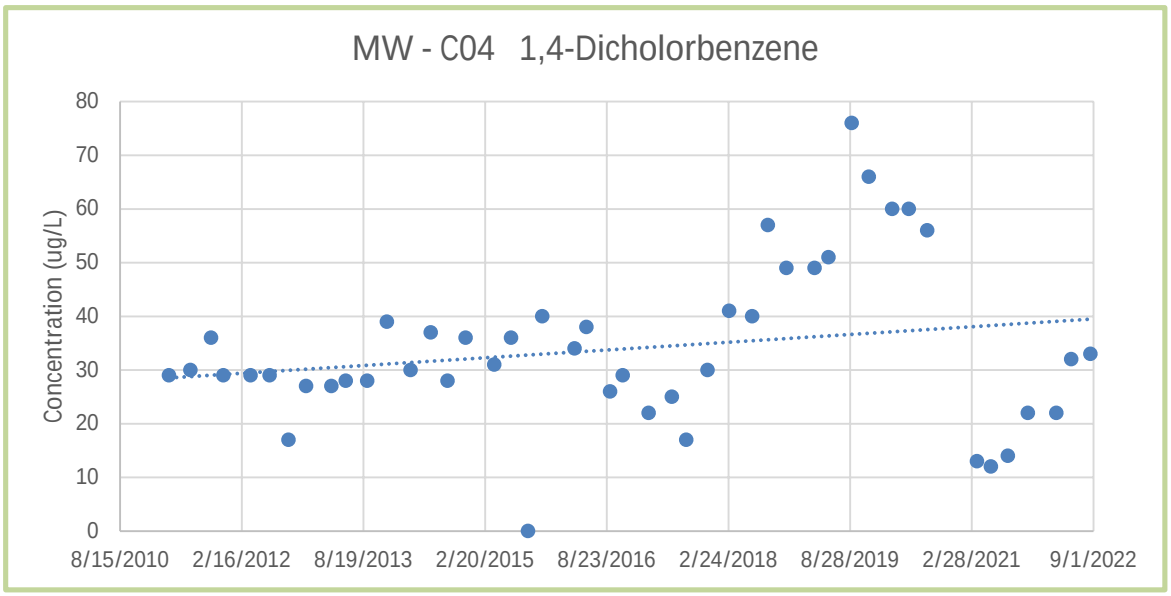



**Table 2**
**MW-C04 Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**



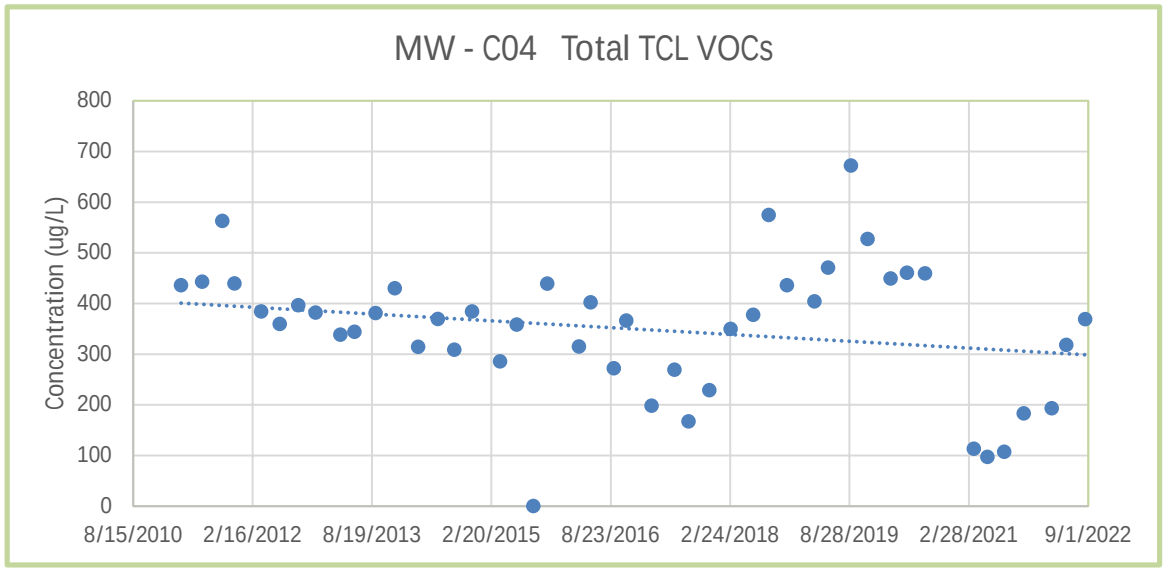
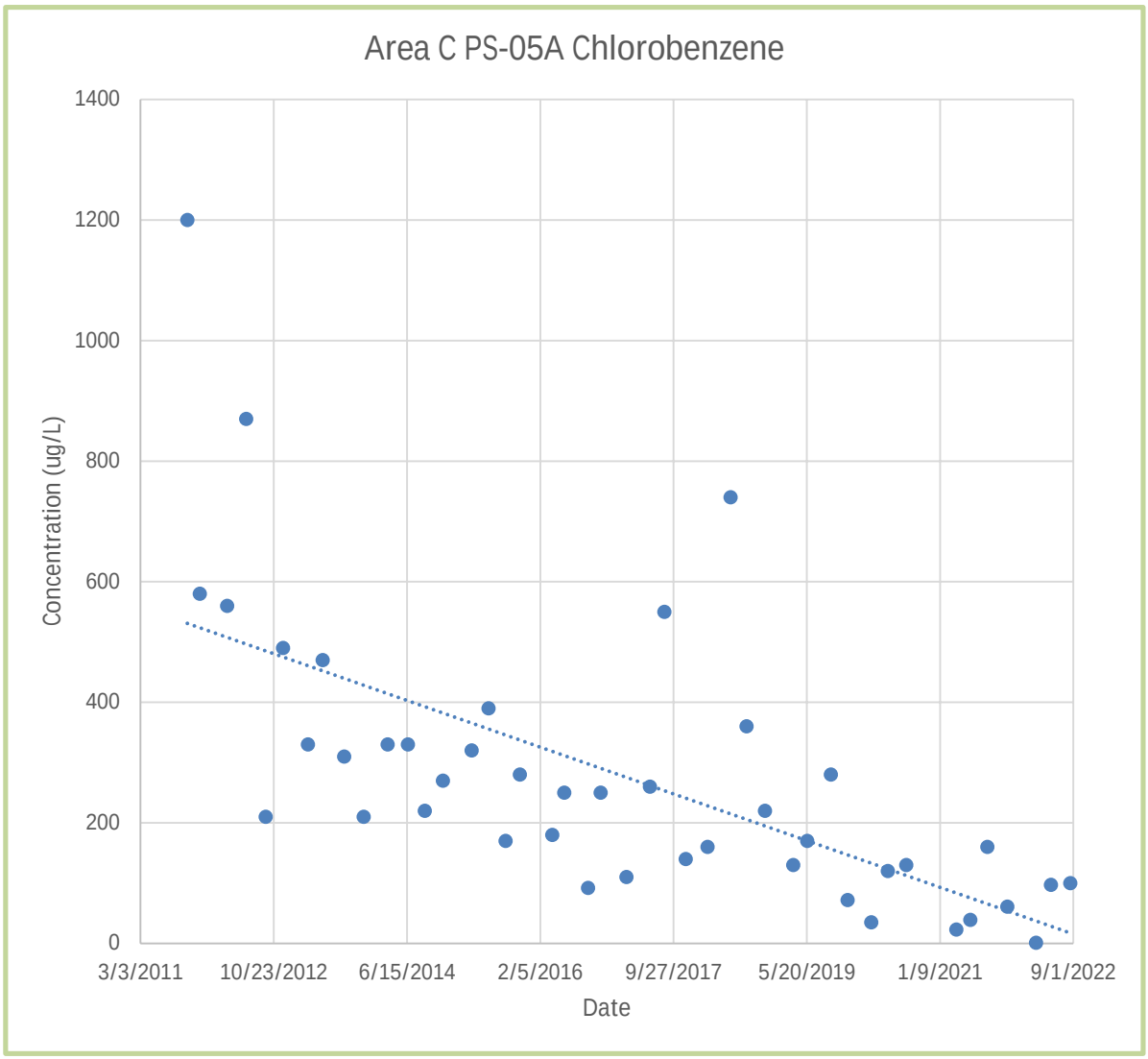



**Table 2 (continued)**
**Monitoring Well PS-05S Trend Graphs**
**Area C**
**Former Buffalo Color**



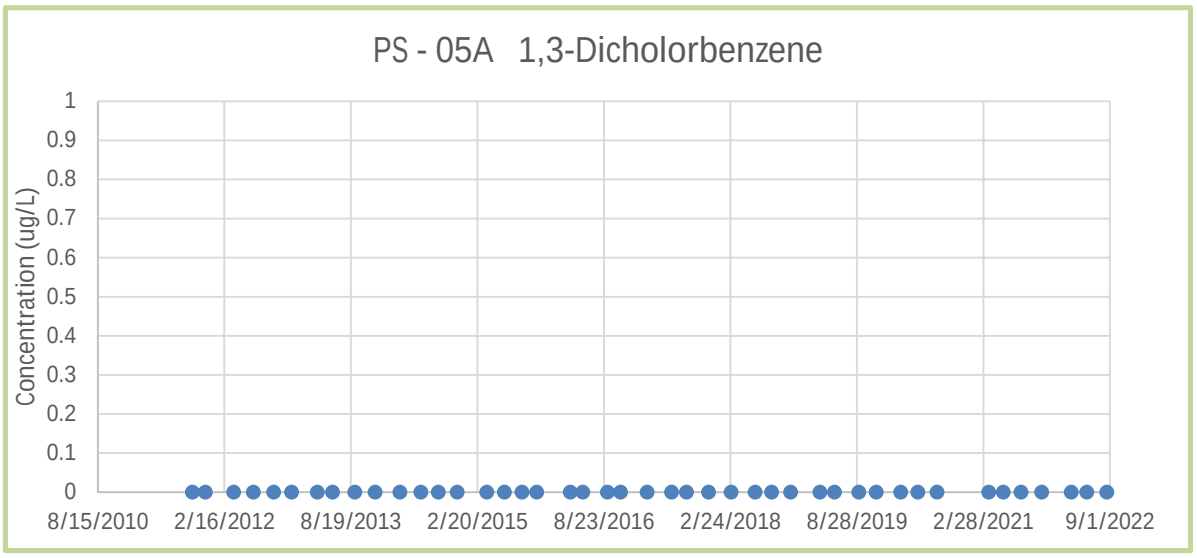
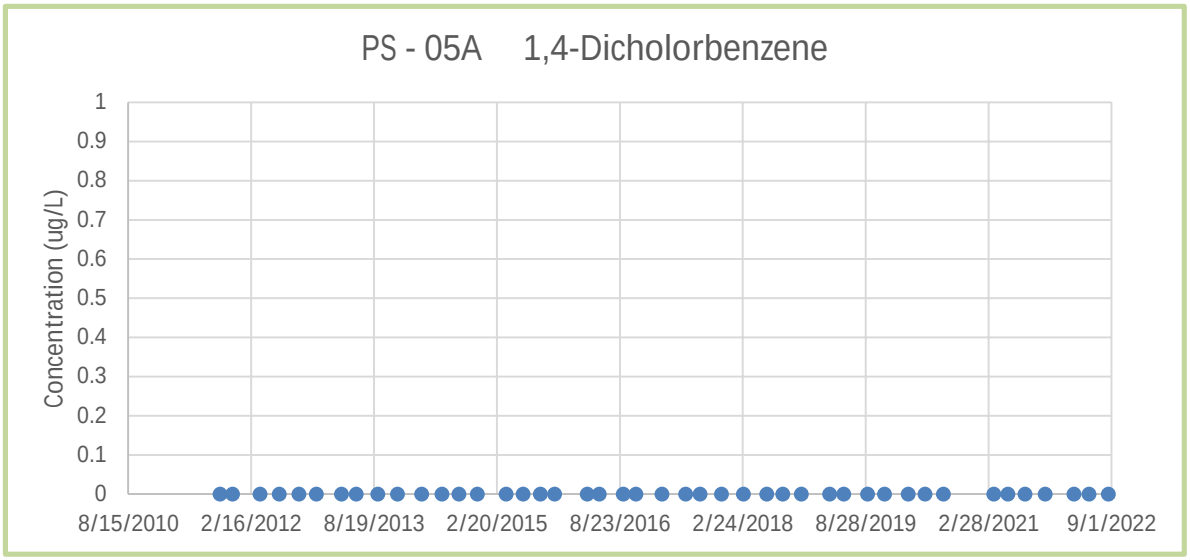



**Table 2 (continued)**
**Monitoring Well PS-05S Trend Graphs**
**Area C**
**Former Buffalo Color**



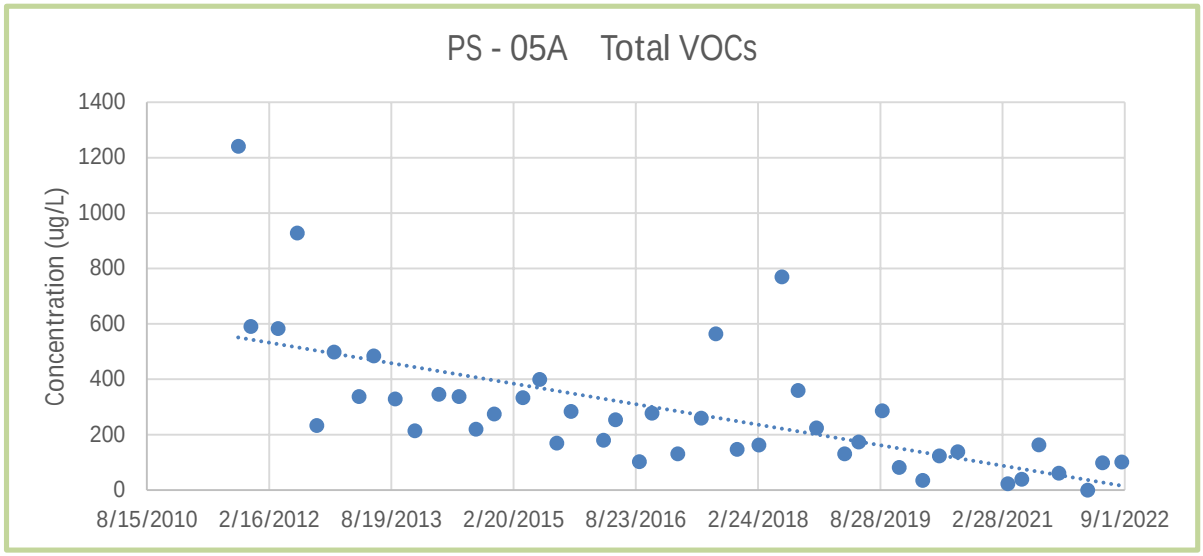



**Table 2 (continued)**
**Monitoring Well PS-05S Trend Graphs**
**Area C**
**Former Buffalo Color**

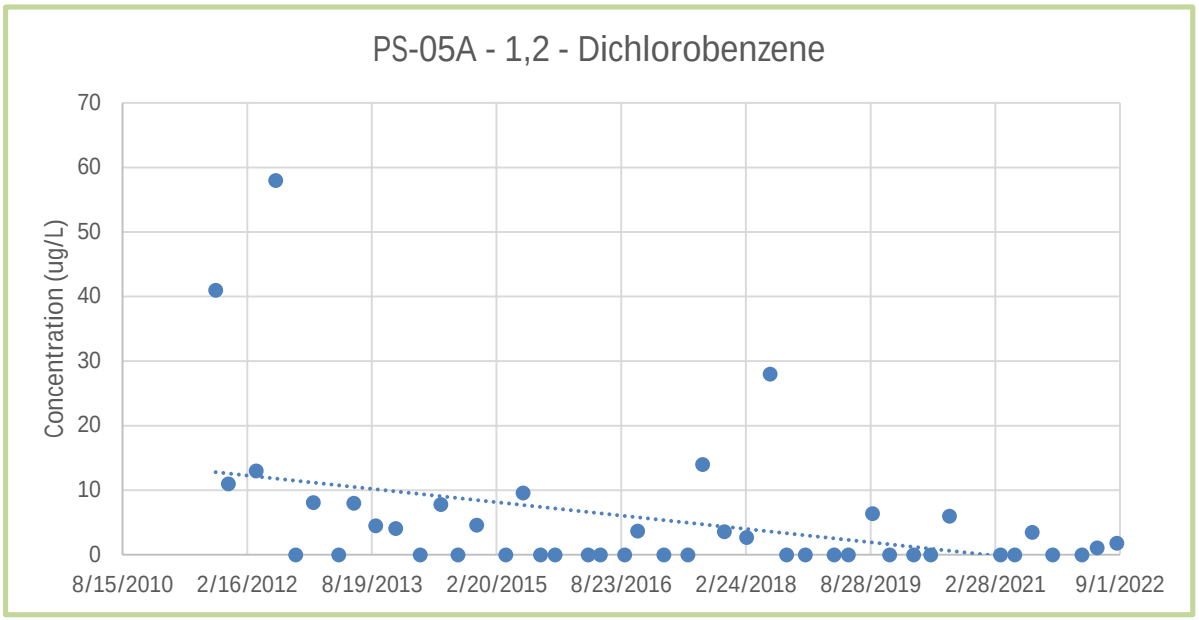
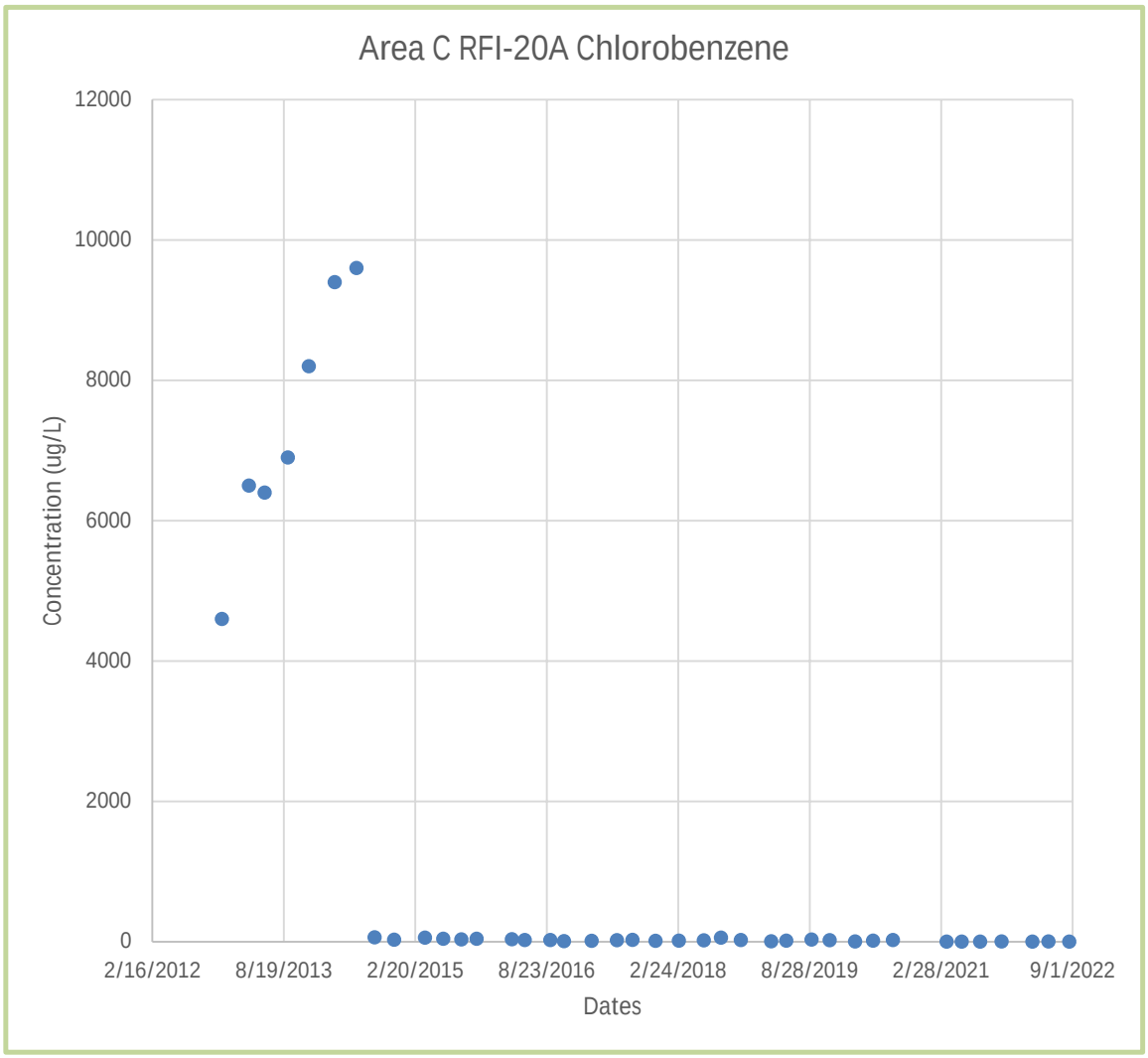


**Table 2 (continued)**
**Monitoring Well RFI-20A Trend Graphs**
**Area C**
**Former Buffalo Color**



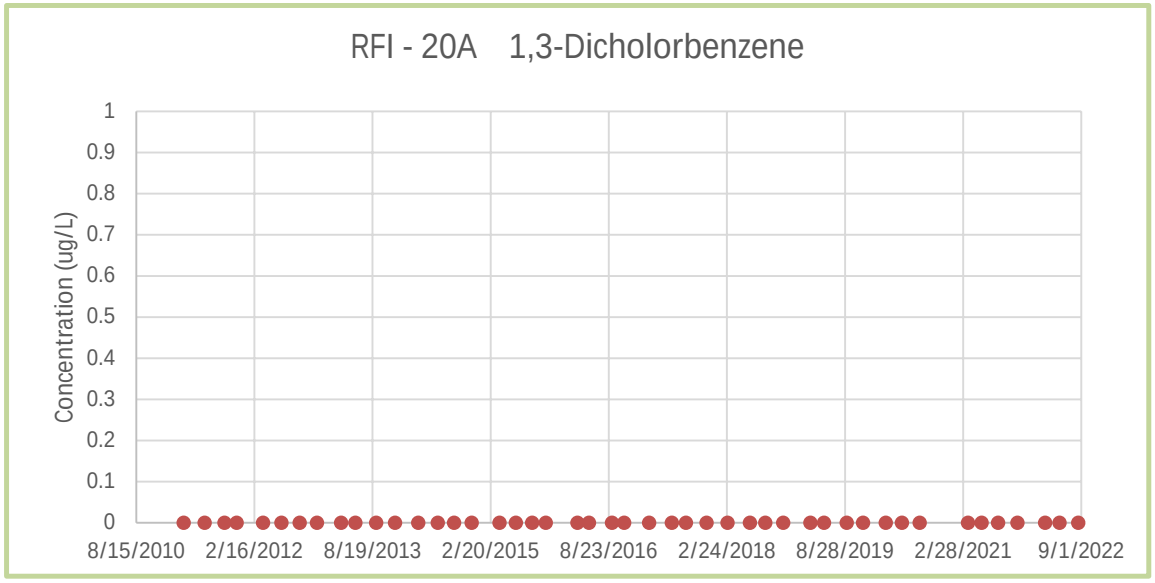
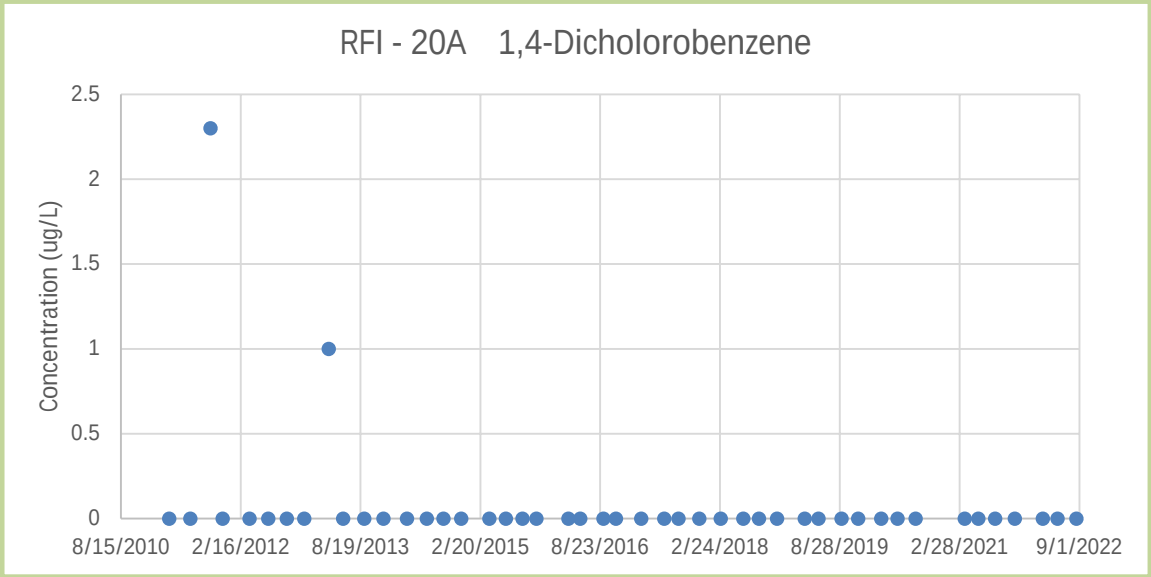



**Table 2 (continued)**
**Monitoring Well RFI-20A Trend Graphs**
**Area C**
**Former Buffalo Color**



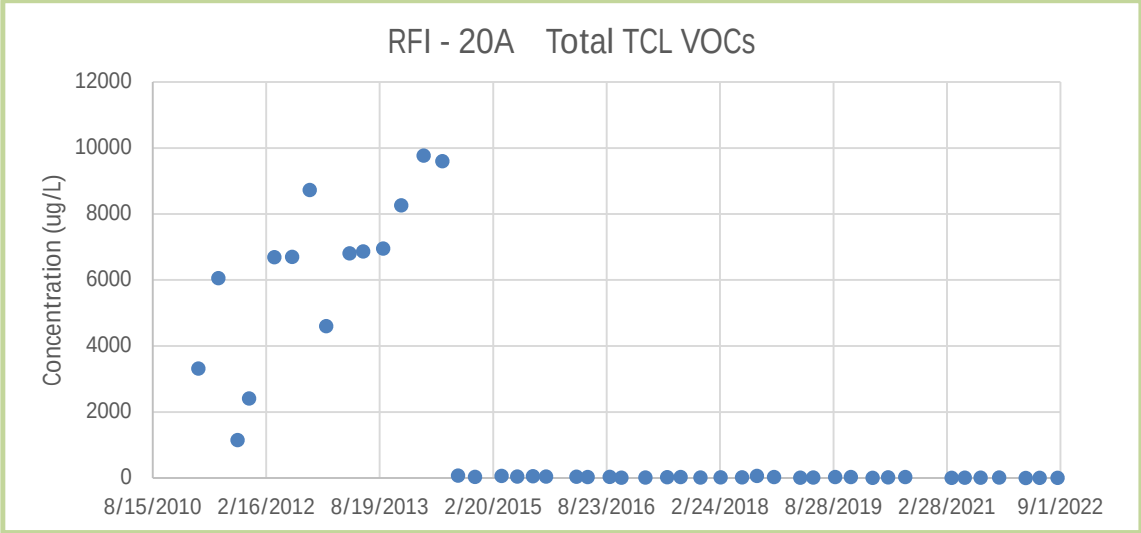



**Table 2 (continued)**
**Monitoring Well RFI-31A Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**
**Buffalo, New York**

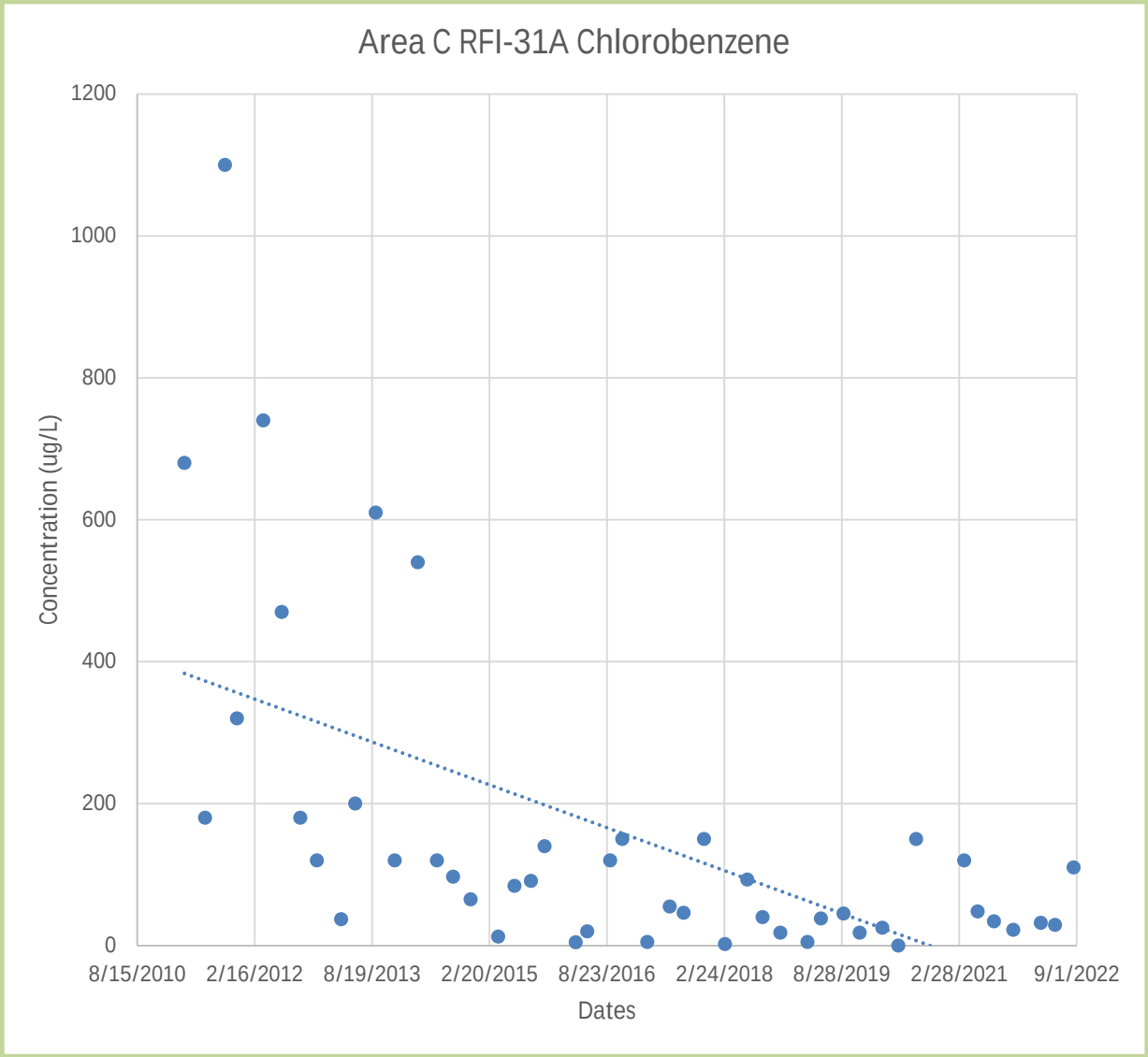
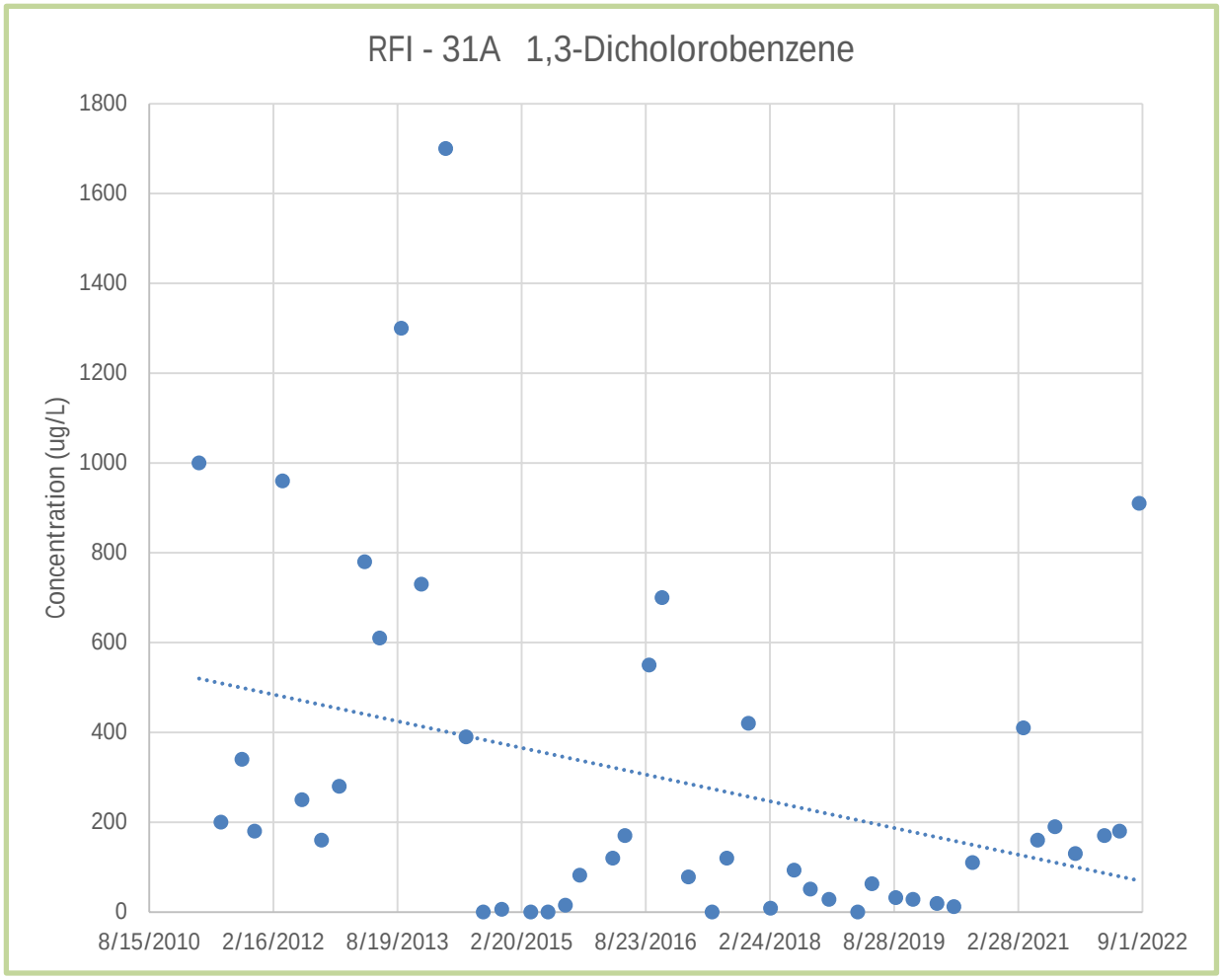


**Table 2 (continued)**
**Monitoring Well RFI-31A Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**
**Buffalo, New York**



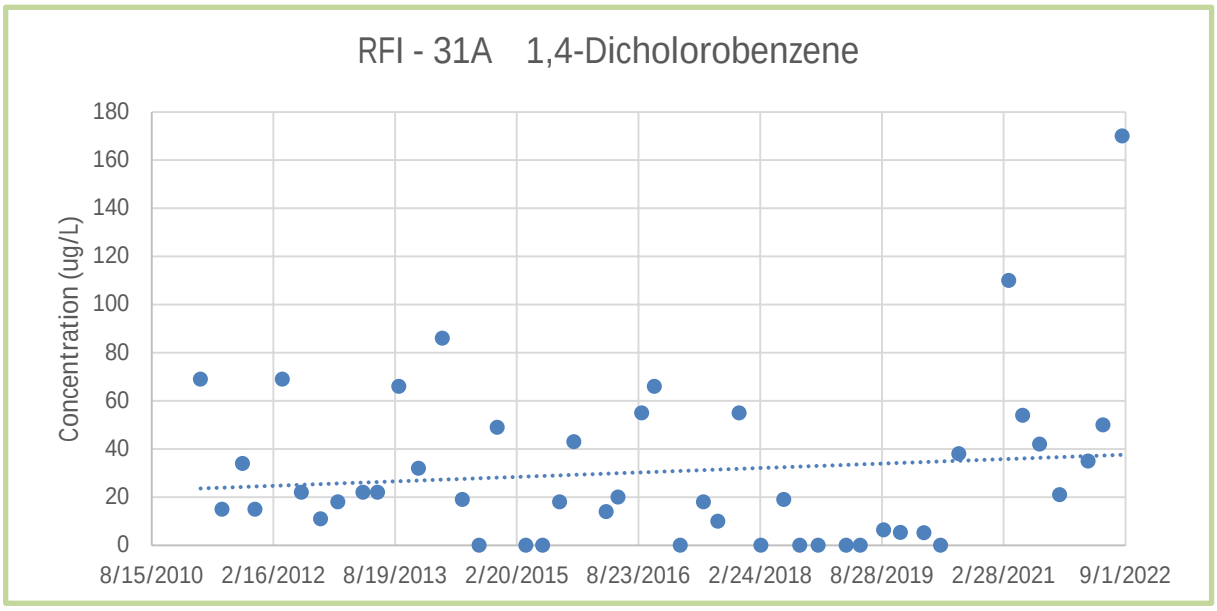
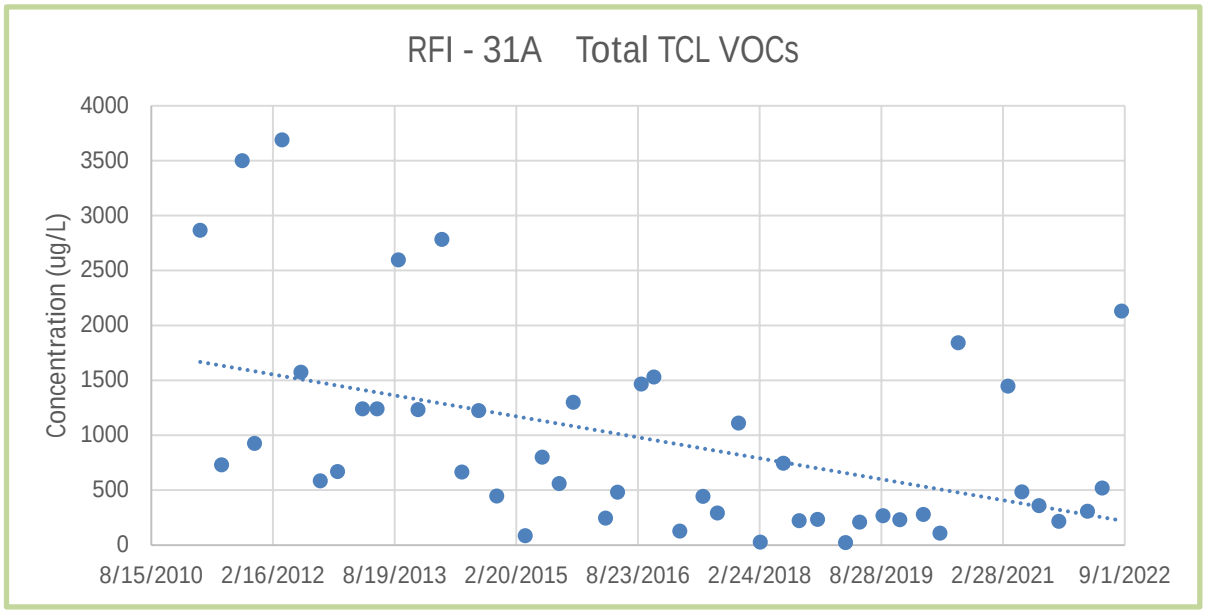



**Table 2 (continued)**
**Monitoring Well RFI-31A Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**
**Buffalo, New York**



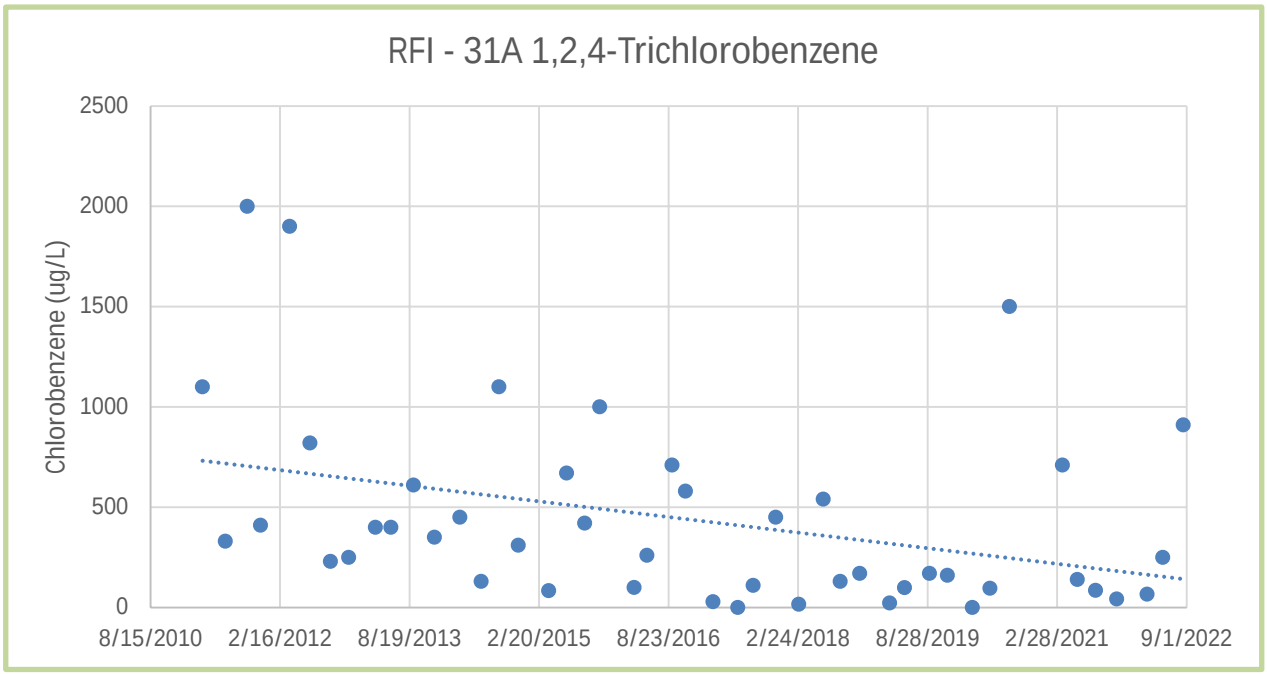



**Table 2 (continued)**
**Monitoring Well RFI-31A Trend Graphs**
**Area C**
**Former Buffalo Color Corporation**
**Buffalo, New York**

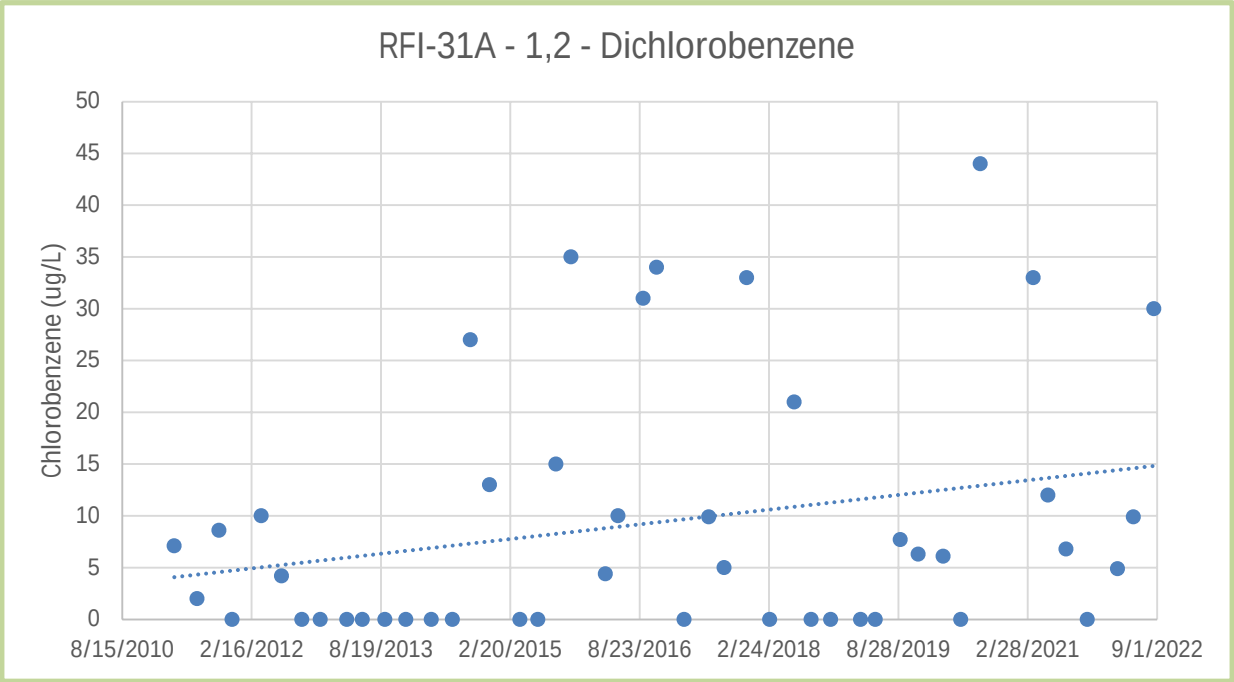


Table 3
Area C Quarterly Inspection Summary

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

Table 4
Groundwater Elevation Data
Area C
Former Buffalo Color Corporation
Buffalo, New York

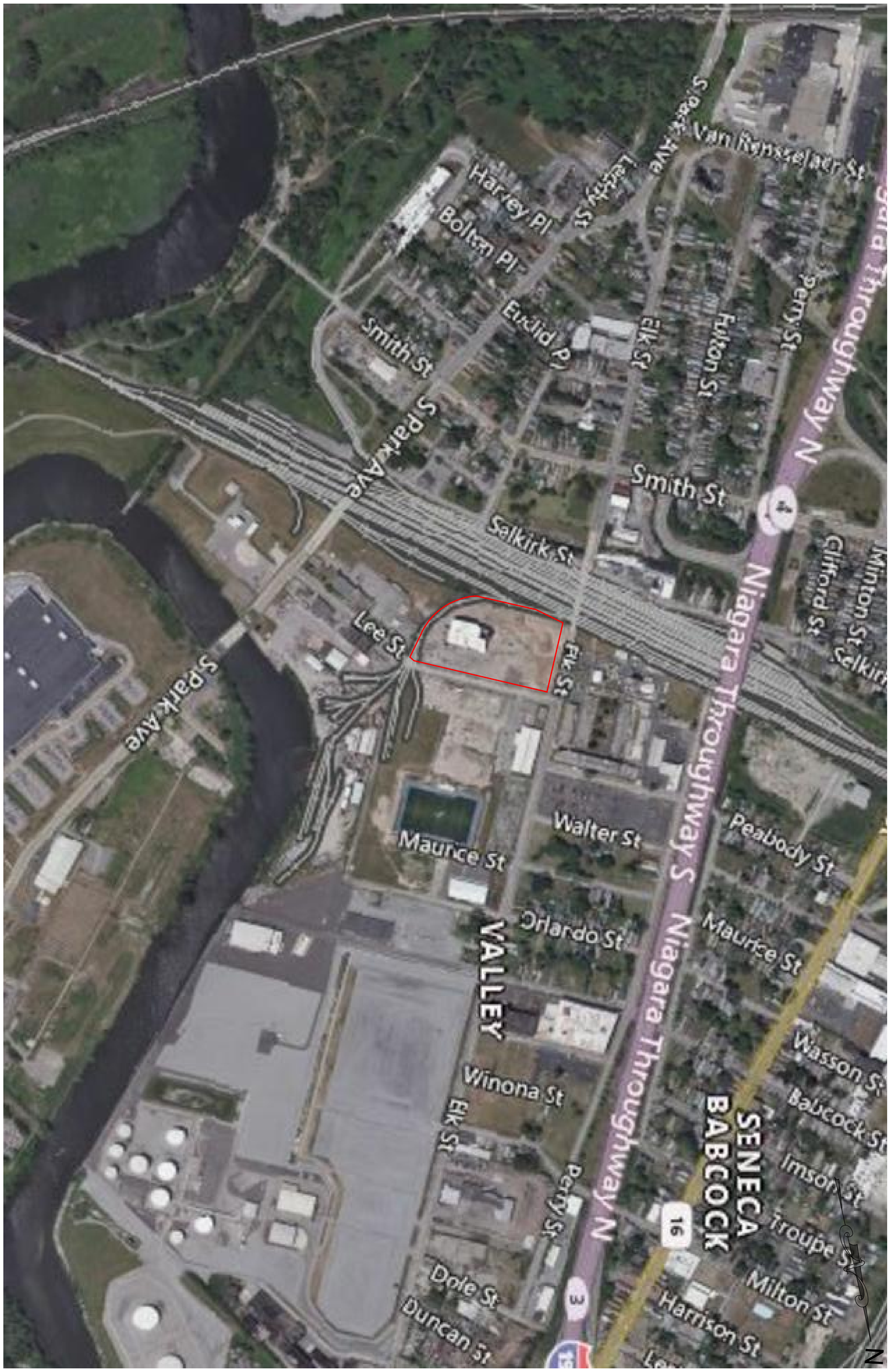
| Sample Event Quarter | Area | Well ID | Water Level Measurement Date | Casing Elevation | Static Depth To Water (ft) | Depth To NAPL Layer (ft) | Elevation | Comment |
|---|---|---|---|---|---|---|---|---|
| 4Q | AREA.C | MW-C04 | 10/25/2021 | 587.78 | 5.14 | ND | 582.64 | |
| 4Q | AREA.C | PS-05A | 10/25/2021 | 588.70 | 4.36 | ND | 584.34 | |
| 4Q | AREA.C | RFI-20A | 10/25/2021 | 588.48 | 5.55 | ND | 582.93 | |
| 4Q | AREA.C | RFI-31A | 10/25/2021 | 585.98 | 6.49 | ND | 579.49 | |
| 1Q | AREA.C | MW-C04 | 2/16/2022 | 587.78 | 5.28 | ND | 582.50 | |
| 1Q | AREA.C | PS-05A | 2/16/2022 | 588.70 | 5.09 | ND | 583.61 | |
| 1Q | AREA.C | RFI-20 | 2/16/2022 | 588.48 | 5.96 | ND | 582.52 | |
| 1Q | AREA.C | RFI-31 | 2/16/2022 | 585.98 | 6.61 | ND | 579.37 | |
| 2Q | AREA.C | MW-C04 | 5/3/2022 | 587.78 | 5.49 | ND | 582.29 | |
| 2Q | AREA.C | PS-05A | 5/3/2022 | 588.70 | 5.63 | ND | 583.07 | |
| 2Q | AREA.C | RFI-20 | 5/3/2022 | 588.48 | 6.51 | ND | 581.97 | |
| 2Q | AREA.C | RFI-31 | 5/3/2022 | 585.98 | 6.29 | ND | 579.69 | |
| 3Q | AREA.C | MW-C04 | 8/16/2022 | 587.78 | 5.93 | ND | 581.85 | |
| 3Q | AREA.C | PS-05A | 8/16/2022 | 588.70 | 6.68 | ND | 582.02 | |
| 3Q | AREA.C | RFI-20 | 8/16/2022 | 588.48 | 7.18 | ND | 581.30 | |
| 3Q | AREA.C | RFI-31 | 8/16/2022 | 585.98 | 6.55 | ND | 579.43 | |

# Figures

D

250' 50' 0' 250'

1" = 250'

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**SITE BOUNDARY**
BUFFALO COLOR AREA - C
SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

| | |
|---|---|
| DRAWING BY | |
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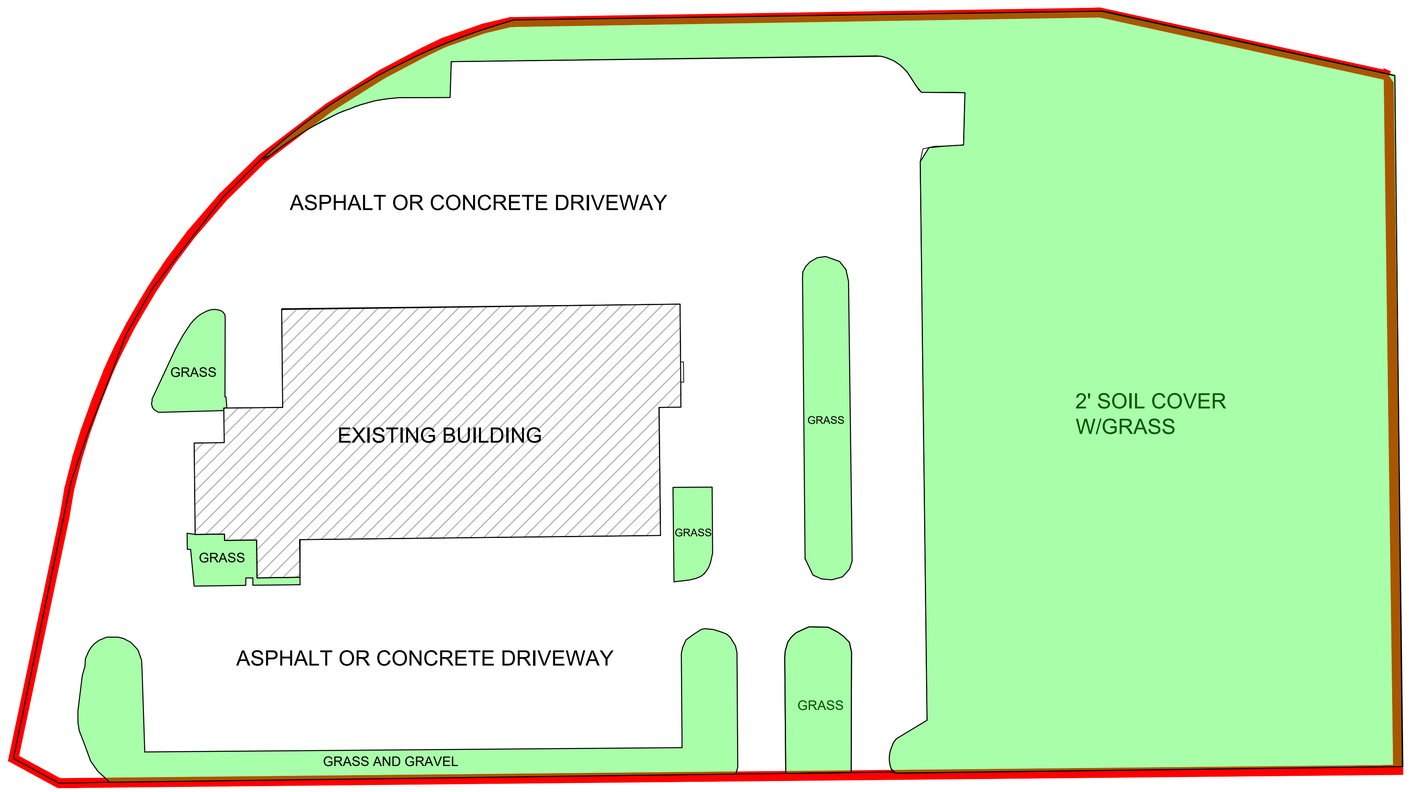
FIGURE 1
DRAWING NUMBER




D

1" = 40'

100' 50' 0' 100'

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**SITE PLAN**
BUFFALO COLOR AREA - C
SOUTH BUFFALO DEVELOPMENT
BUFFALO, NEW YORK

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FIGURE 2

DRAWING NUMBER

B

1" = 100'

100' 50' 0' 100'

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GROUNDWATER
MONITORING EVENT
BUFFALO COLOR AREA - C
BUFFALO, NEW YORK

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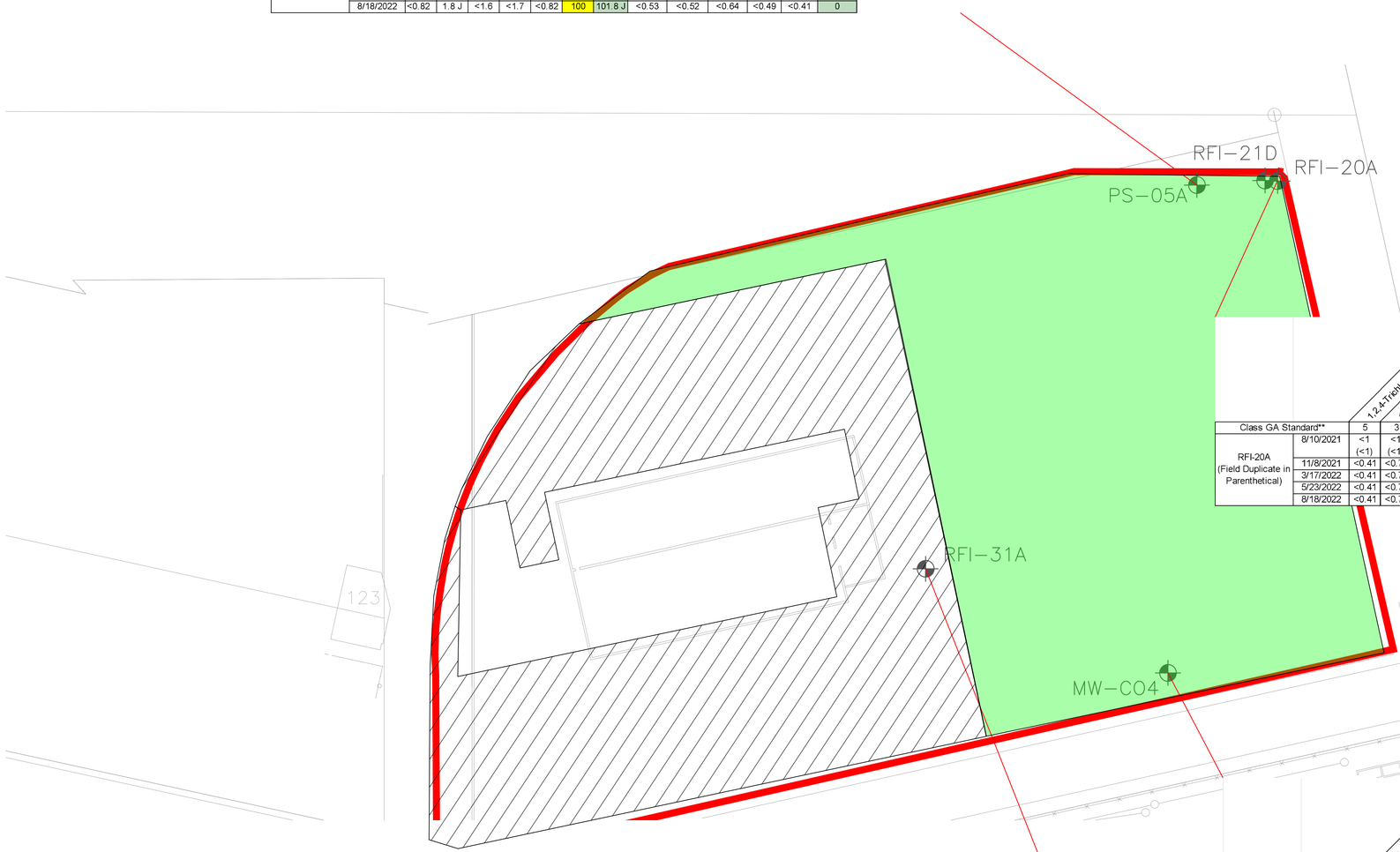
FIGURE 3

DRAWING NUMBER

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dichlorobenzene | 1,4-Dichlorobenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | – | 5 | 50 | 5 | 0 | 1 | – |
| PS-05A | 8/10/2021 | <2 | 3.5 | <2 | <2 | <2 | 160 | 163.5 | <5 | <5 | <10 | <5 | <5 | 0.8J |
| | 11/8/2021 | <1.6 | <3.2 | <3.1 | <3.4 | <1.6 | 61 | 61 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.56 J |
| | 3/17/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | <0.75 | 0 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0 |
| | 5/23/2022 | <0.41 | 1.1 | <0.78 | <0.84 | 0.44 J | 97 | 98.54 J | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 6 B |
| | 8/18/2022 | <0.82 | 1.8 J | <1.6 | <1.7 | <0.82 | 100 | 101.8 J | <0.53 | <0.52 | <0.64 | <0.49 | <0.41 | 0 |




| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dichlorobenzene | 1,4-Dichlorobenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | – | 5 | 50 | 5 | 0 | 1 | – |
| RFI-20A (Field Duplicate in Parenthetical) | 8/10/2021 | <1 (<1) | <1 (<1) | <1 (<1) | <1 (<1) | <1 (<1) | 1.1 (<1) | 6.7J | <5 (<5) | <5 (<5) | <10 (<10) | <5 (<5) | <5 (<5) | 0.33J |
| | 11/8/2021 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 3.1 | 10.5 J | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.42 J |
| | 3/17/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | <0.75 | 0 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0 |
| | 5/23/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 2.2 | 2.2 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 7.3 J |
| | 8/18/2022 | <0.41 | <0.79 | <0.78 | <0.84 | <0.41 | 1.4 | 1.4 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.64 J |

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dichlorobenzene | 1,4-Dichlorobenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | – | 5 | 50 | 5 | 0 | 1 | – |
| MW-C04 (Field Duplicate in Parenthetical) | 8/10/2021 | <8 | <8 | 8 | 14 | <8 | 85 | 107 | <5 | <5 | <10 | <5 | <5 | 0.41J |
| | 11/8/2021 | <3.3 (<1.6) | <6.3 (<3.2) | 12 (11) | 21 (22) | <3.3 (<1.6) | 140 (150) | 173 (183) | 0.92 J (0.93 J) | <0.50 (<0.50) | 0.8 J (<0.61) | <0.47 (<0.47) | <0.39 (<0.39) | 4.09 J (2.56 J) |
| | 3/17/2022 | <2.1 | <4 | 11 | 22 | <2.1 | 160 | 193 | <0.51 | <0.50 | <0.61 | <0.47 | <0.39 | 0.71 J |
| | 5/23/2022 | <2.1 (<2.1) | <4 (<4) | 15 (16) | 31 (32) | <2.1 (<2.1) | 260 (270) | 306 (318) | <0.51 (<0.51) | <0.50 (<0.50) | 1.1 J (1.1 J) | <0.47 (<0.47) | <0.39 (<0.39) | 7.74 J (7.78 J) |
| | 8/18/2022 | <2.1 (<1.6) | <4 (<3.2) | 15 (16) | 32 (33) | <2.1 (<1.6) | 310 (320) | 357 (369) | 3.2 J (3.8 J) | <0.50 (<0.50) | 0.79 J (0.71 J) | <0.47 (<0.47) | <0.39 (<0.39) | 4.36 J (4.94 J) |

| | | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,3-Dichlorobenzene | 1,4-Dichlorobenzene | Benzene | Chlorobenzene | Total TCL VOCs | 2,4-Dichlorophenol | 2,4-Dimethylphenol | Aniline | Benzo(a)pyrene | Phenol | Total TCL SVOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Class GA Standard** | | 5 | 3 | 3 | 3 | 1 | 5 | – | 5 | 50 | 5 | 0 | 1 | – |
| RFI-31A | 8/10/2021 | 85 | 6.8 | 190 | 42 | <5 | 34 | 357.8 | 1.6J | <5 | <10 | <5 | <5 | 2.9J |
| | 11/8/2021 | 42 | <4 | 130 | 21 | <2.1 | 22 | 215 | 2.1 J | <0.50 | <0.61 | <0.47 | <0.39 | 4.03 J |
| | 3/17/2022 | 66 (64) | 4.5 (4.9) | 170 (170) | 35 (35) | <1.6 (<1.6) | 32 (32) | 307.5 (305.9) | <0.51 (2.3 J) | <0.50 (<0.50) | <0.61 (<0.61) | <0.47 (<0.47) | <0.39 (<0.39) | 0 (2.3 J) |
| | 5/23/2022 | 250 | 9.9 | 180 | 50 | <1.6 | 29 | 518.9 | 0.64 J | <0.50 | 0.73 J | <0.47 | <0.39 | 8.96 JB |
| | 8/18/2022 | 910 | 30 | 910 | 170 | <1.6 | 110 | 2130 | 0.91 J | <0.50 | 0.62 J | <0.47 | <0.39 | 2.04 J |

1" = 50'

100' 50' 0' 100'

D

**NOTES:**
1. **RESULTS REPORTED IN MICROGRAMS PER LITER (UG/l)**

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# GROUNDWATER DATA
## GROUNDWATER MONITORING EVENTS
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## BUFFALO, NEW YORK

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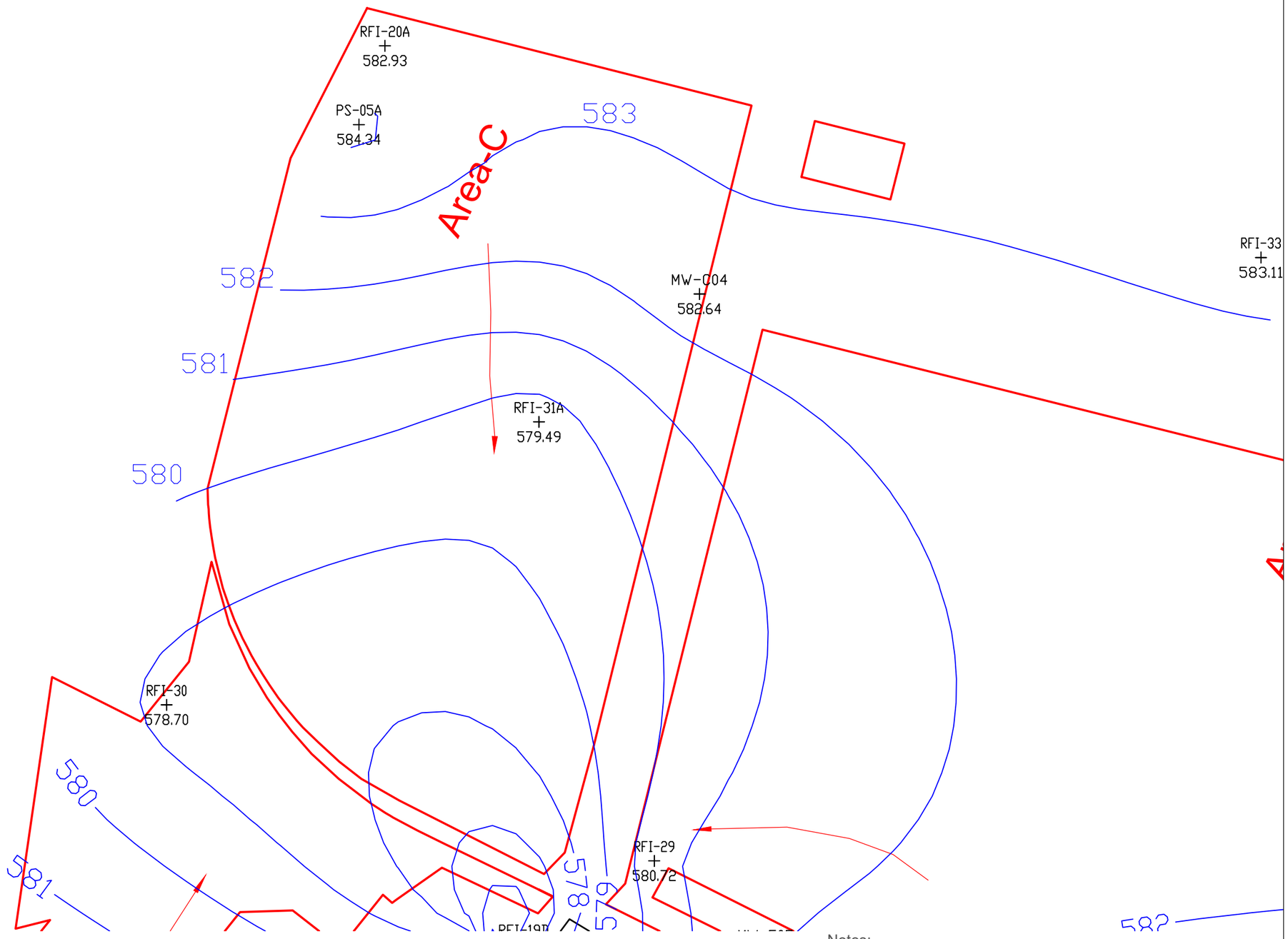
FIGURE 4




Notes:

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

N

B

1" = 100'

100' 50' 0' 100'

DRAWING BY

CHECKED

APPROVED

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FOURTH QUARTER 2021
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-C

**INVENTUM ENGINEERING**
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SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
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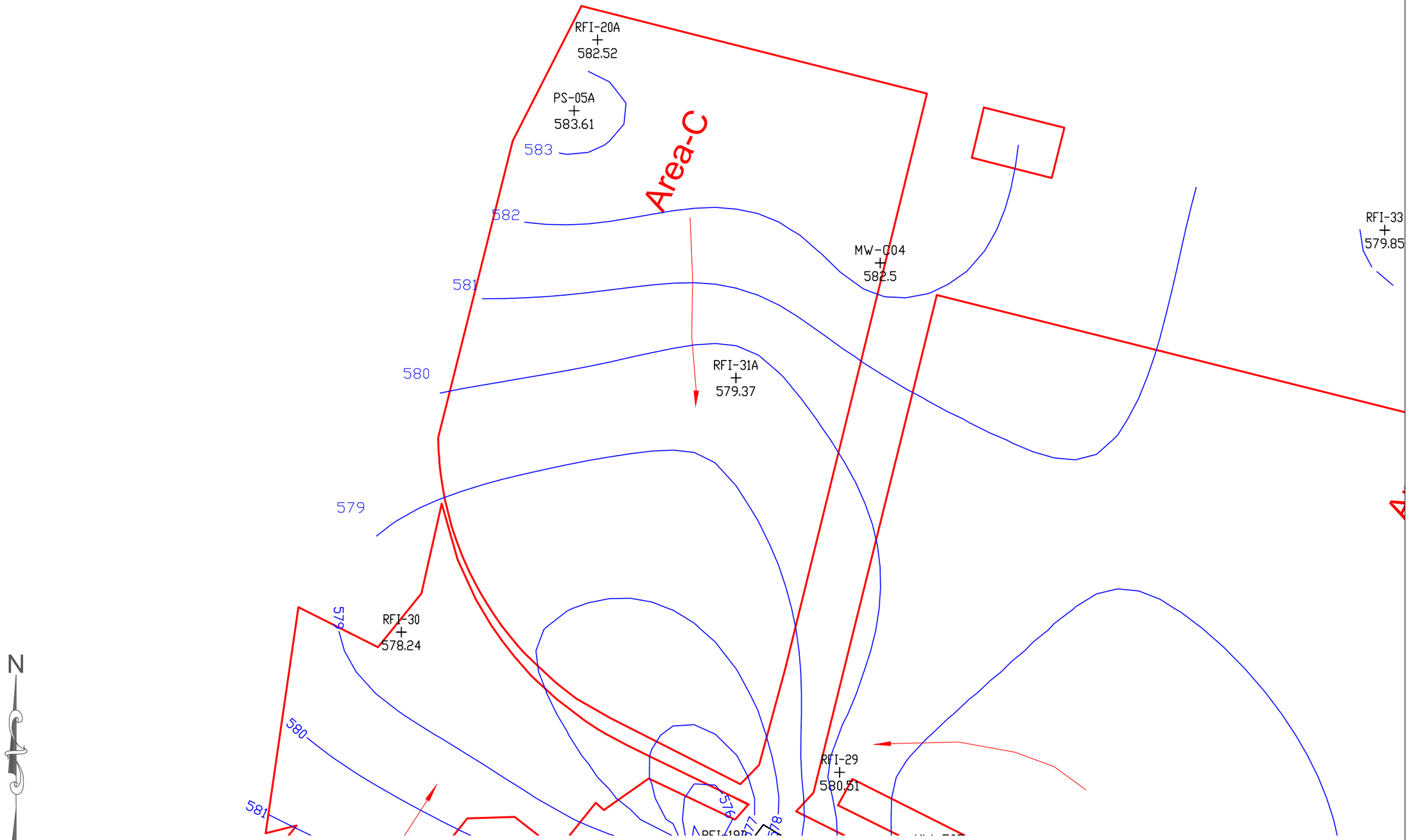
FIGURE 5

DRAWING NUMBER




Notes:

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

DRAWING BY:

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FIRST QUARTER 2022
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-C

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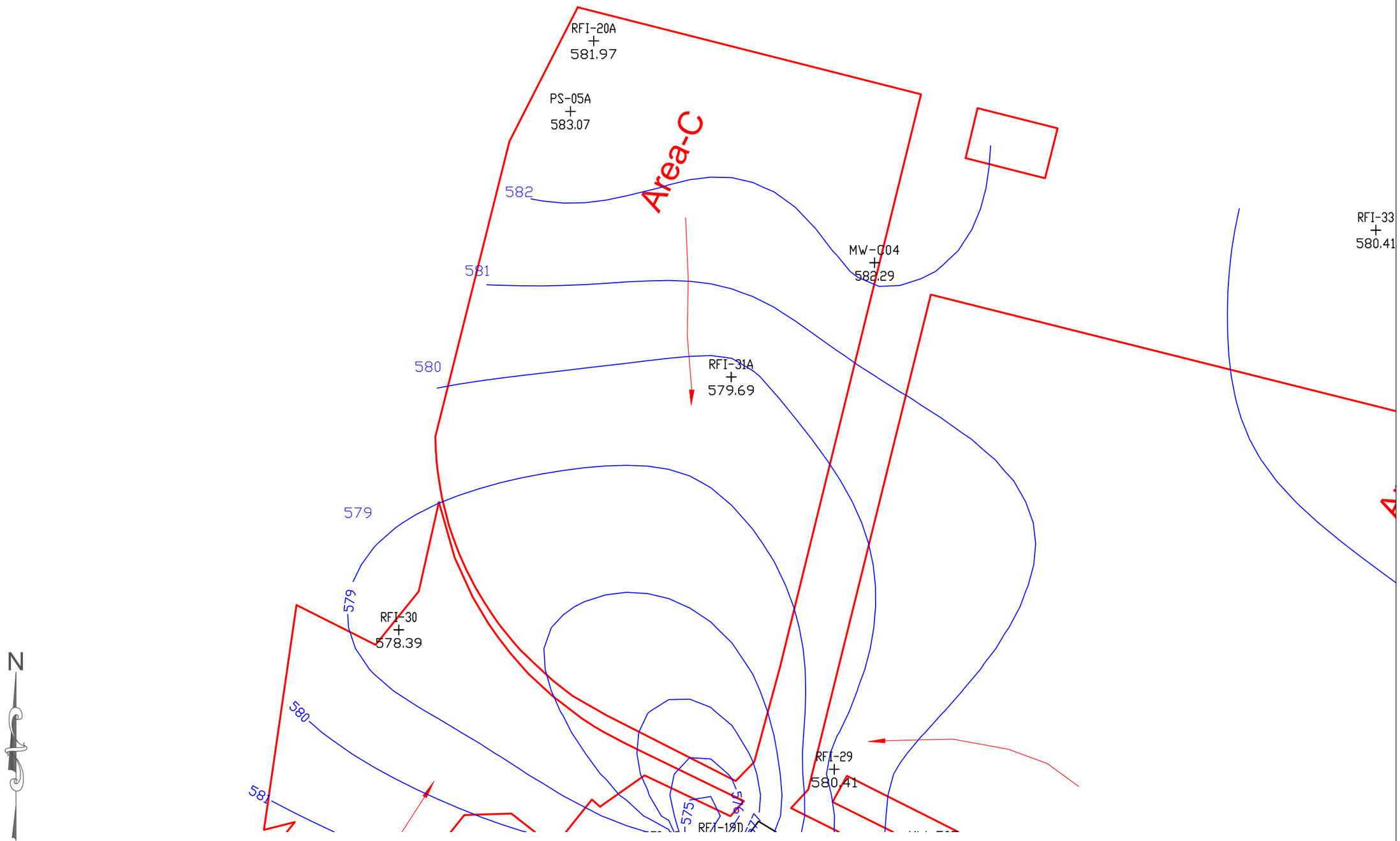
FIGURE 6

DRAWING NUMBER




Notes:

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

DRAWING BY
CHECKED
APPROVED

PROPERTY OF INVENTUM ENGINEERING

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SECOND QUARTER 2022
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-C

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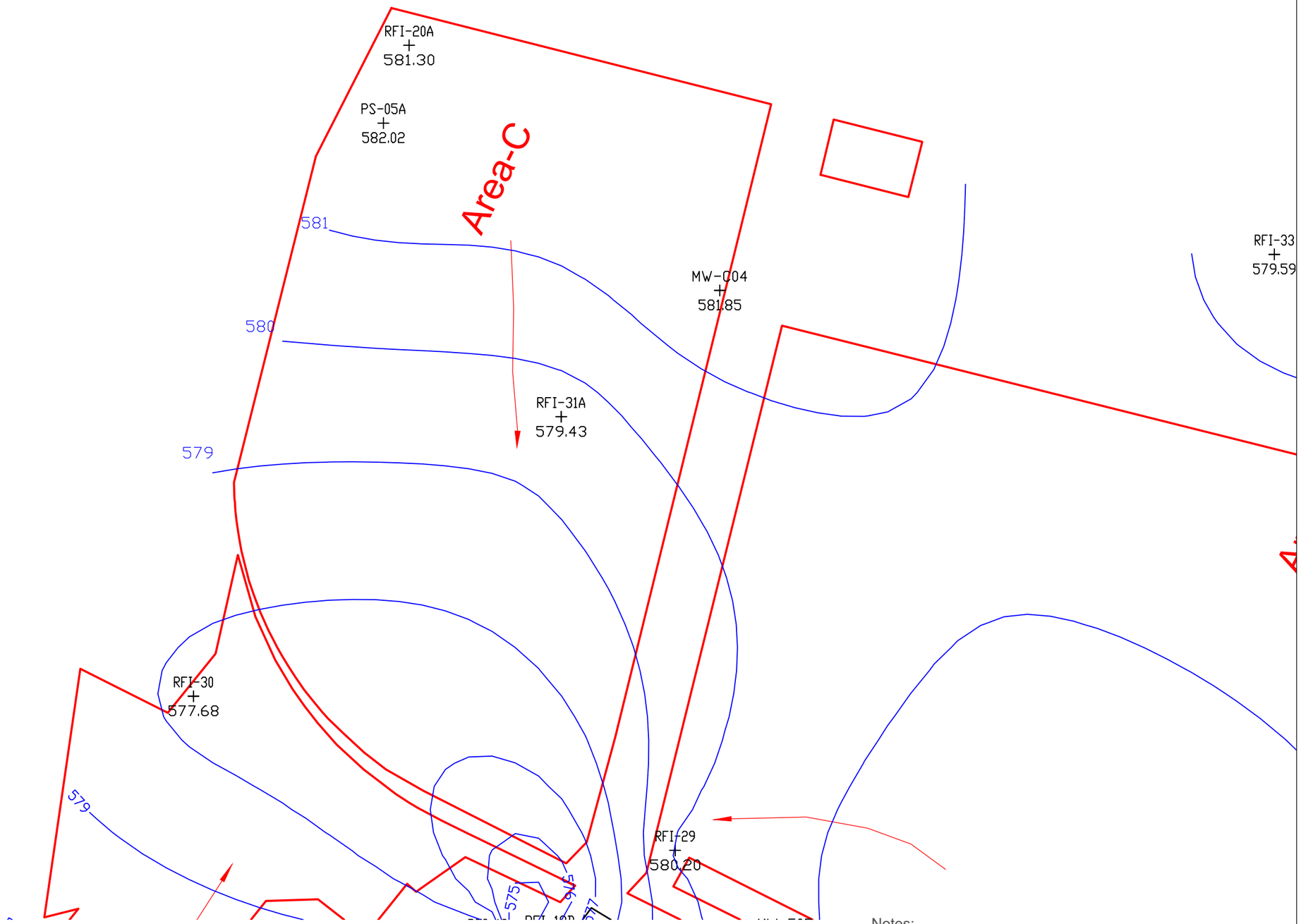
FIGURE 7

DRAWING NUMBER




N

B

1" = 100'

100' 50' 0' 100'

Notes:

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

DRAWING BY

CHECKED

APPROVED

PROPERTY OF INVENTUM ENGINEERING

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THIRD QUARTER 2022
GROUNDWATER ELEVATION
CONTOURS
BUFFALO COLOR AREA-C

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FIGURE 8

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: 480-200849-1
Client Project/Site: Buffalo Color Area C Wells
Sampling Event: Buffalo Color Area C Wells

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

Attn: Kirsten Colligan

*Authorized for release by:*
*8/31/2022 4:56:56 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

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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## 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, low biased. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| 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. |
| 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: 480-200849-1

### Laboratory: Eurofins Buffalo

**Narrative**

**Job Narrative**
**480-200849-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 8/18/2022 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 4.1º C.

**GC/MS VOA**
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area C MW-C04 D_0822 (480-200849-1), BCC Area C MW-C04_0822 (480-200849-2), BCC Area C MW-C04 MS_0822 (480-200849-2[MS]), BCC Area C MW-C04 MSD_0822 (480-200849-2[MSD]), BCC Area C PS-05A_0822 (480-200849-3) and BCC Area C RFI-31A_0822 (480-200849-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area C RFI-31A_0822 (480-200849-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-638813 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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 samples contained an allowable number of surrogate compounds outside limits: BCC Area C MW-C04 D_0822 (480-200849-1), BCC Area C MW-C04 MSD_0822 (480-200849-2[MSD]) and BCC Area C RFI-31A_0822 (480-200849-5). These results have been reported and qualified.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-638601 and analytical batches 480-638817 and 480-638821 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-638601 and analytical batches 480-638817 and 480-638821 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-639479 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol 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 matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-639256 and analytical batch 480-639479 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

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 samples contained an allowable number of surrogate compounds outside limits: BCC Area C MW-C04_0822 (480-200849-2), BCC Area C MW-C04 MS_0822 (480-200849-2[MS]), BCC Area C MW-C04 MSD_0822 (480-200849-2[MSD]) and BCC Area C RFI-31A_0822 (480-200849-5). These results have been reported and qualified.

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

**Metals**

## Job ID: 480-200849-1 (Continued)

### Laboratory: Eurofins Buffalo (Continued)

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

**Organic Prep**
Method 3510C: The following sample(s) was re-prepared outside of preparation holding time due to low LCS recovery. BCC Area C MW-C04 D_0822 (480-200849-1), BCC Area C MW-C04_0822 (480-200849-2), BCC Area C MW-C04 MS_0822 (480-200849-2[MS]), BCC Area C MW-C04 MSD_0822 (480-200849-2[MSD]), BCC Area C PS-05A_0822 (480-200849-3), BCC Area C RFI-20A_0822 (480-200849-4) and BCC Area C RFI-31A_0822 (480-200849-5).

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 C Wells

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04 D_0822 — Lab Sample ID: 480-200849-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 16 | | 4.0 | 3.1 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 33 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 320 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 2.0 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 0.87 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dichlorophenol - RE | 3.8 | J H | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline - RE | 0.71 | J H | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Nitrobenzene - RE | 0.43 | J H | 5.0 | 0.29 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 1.3 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 233 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 2.5 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 29.4 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.73 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 13.0 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 79.8 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0021 | J | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C MW-C04_0822 — Lab Sample ID: 480-200849-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 15 | | 5.0 | 3.9 | ug/L | 5 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 32 | | 5.0 | 4.2 | ug/L | 5 | | 8260C | Total/NA |
| Chlorobenzene | 310 | F1 | 5.0 | 3.8 | ug/L | 5 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 2.9 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 0.85 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Nitrobenzene | 0.33 | J | 5.0 | 0.29 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dichlorophenol - RE | 3.2 | J H | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline - RE | 0.79 | J H | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Nitrobenzene - RE | 0.37 | J H | 5.0 | 0.29 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 1.4 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 240 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 2.6 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 30.7 | F1 | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.77 | F1 | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 13.4 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 83.6 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0040 | J | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C PS-05A_0822 — Lab Sample ID: 480-200849-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | 1.8 | J | 2.0 | 1.6 | ug/L | 2 | | 8260C | Total/NA |
| Chlorobenzene | 100 | | 2.0 | 1.5 | ug/L | 2 | | 8260C | Total/NA |
| Arsenic | 0.0091 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.082 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 161 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0015 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 2.9 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 25.8 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.071 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 7.1 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 77.1 | | 1.0 | 0.32 | 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 C Wells

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-20A_0822 — Lab Sample ID: 480-200849-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 1.4 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| Phenanthrene - RE | 0.64 | J H | 5.0 | 0.44 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.087 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.061 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 258 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.0016 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 7.6 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 16.4 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.47 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0057 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.5 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 57.4 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.079 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C RFI-31A_0822 — Lab Sample ID: 480-200849-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | 30 | | 4.0 | 3.2 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 170 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 110 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 1,2,4-Trichlorobenzene - DL | 910 | | 20 | 8.2 | ug/L | 20 | | 8260C | Total/NA |
| 1,3-Dichlorobenzene - DL | 910 | | 20 | 16 | ug/L | 20 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 0.77 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| 2,4,5-Trichlorophenol - RE | 0.51 | J H | 5.0 | 0.48 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dichlorophenol - RE | 0.91 | J H | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline - RE | 0.62 | J H | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Arsenic | 0.0090 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.027 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 233 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.90 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 70.3 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.64 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0046 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.2 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 1530 | | 5.0 | 1.6 | mg/L | 5 | | 6010C | Total/NA |
| Zinc | 0.022 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: TRIP BLANK — Lab Sample ID: 480-200849-6

No Detections.

This Detection Summary does not include radiochemical test results.

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04 D_0822

**Lab Sample ID: 480-200849-1**

**Date Collected: 08/18/22 11:25**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.0 | 3.3 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2,4-Trichlorobenzene | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2-Dichlorobenzene | ND | | 4.0 | 3.2 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 08/20/22 03:09 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 03:09 | 4 |
| **1,3-Dichlorobenzene** | **16** | | 4.0 | 3.1 | ug/L | | | 08/20/22 03:09 | 4 |
| **1,4-Dichlorobenzene** | **33** | | 4.0 | 3.4 | ug/L | | | 08/20/22 03:09 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 08/20/22 03:09 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 08/20/22 03:09 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 08/20/22 03:09 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 08/20/22 03:09 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 03:09 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 03:09 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 08/20/22 03:09 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 08/20/22 03:09 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 08/20/22 03:09 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 08/20/22 03:09 | 4 |
| **Chlorobenzene** | **320** | | 4.0 | 3.0 | ug/L | | | 08/20/22 03:09 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 08/20/22 03:09 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 03:09 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 03:09 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 08/20/22 03:09 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 03:09 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 08/20/22 03:09 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 08/20/22 03:09 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 08/20/22 03:09 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 08/20/22 03:09 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 08/20/22 03:09 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 08/20/22 03:09 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 08/20/22 03:09 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 08/20/22 03:09 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 08/20/22 03:09 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 03:09 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 03:09 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 08/20/22 03:09 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 08/20/22 03:09 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 08/20/22 03:09 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 08/20/22 03:09 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 08/20/22 03:09 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 08/20/22 03:09 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 08/20/22 03:09 | 4 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04 D_0822

**Date Collected: 08/18/22 11:25**
**Date Received: 08/18/22 15:00**

## Lab Sample ID: 480-200849-1

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* | | *08/20/22 03:09* | *4* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *73 - 120* | | *08/20/22 03:09* | *4* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *08/20/22 03:09* | *4* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* | | *08/20/22 03:09* | *4* |

### 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 | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| **2,4-Dichlorophenol** | **2.0** | **J** | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Methylnaphthalene | ND | *- | 5.0 | 0.60 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| **Aniline** | **0.87** | **J** | 10 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |

## Client Sample ID: BCC Area C MW-C04 D_0822

**Lab Sample ID: 480-200849-1**

**Date Collected: 08/18/22 11:25**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

### 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 | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Hexachloroethane | ND | *- | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Naphthalene | ND | *- | 5.0 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 13:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *92* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 13:57* | *1* |
| *2-Fluorobiphenyl* | *79* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 13:57* | *1* |
| *2-Fluorophenol* | *55* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 13:57* | *1* |
| *Nitrobenzene-d5* | *69* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 13:57* | *1* |
| *Phenol-d5* | *42* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 13:57* | *1* |
| *p-Terphenyl-d14* | *54* | *S1-* | *60 - 148* | *08/23/22 08:19* | *08/25/22 13:57* | *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 | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2,4,6-Trichlorophenol | ND | H | 5.0 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| **2,4-Dichlorophenol** | **3.8** | **J H** | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2,4-Dimethylphenol | ND | H | 5.0 | 0.50 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2,4-Dinitrophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2,4-Dinitrotoluene | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2,6-Dinitrotoluene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Chloronaphthalene | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Chlorophenol | ND | H | 5.0 | 0.53 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Methylnaphthalene | ND | H | 5.0 | 0.60 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Methylphenol | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Nitroaniline | ND | H | 10 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 2-Nitrophenol | ND | H | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 3,3'-Dichlorobenzidine | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 3-Nitroaniline | ND | H | 10 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |

**Client Sample ID: BCC Area C MW-C04 D_0822**
**Date Collected: 08/18/22 11:25**
**Date Received: 08/18/22 15:00**

**Lab Sample ID: 480-200849-1**
**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 | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Chloro-3-methylphenol | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Chloroaniline | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Chlorophenyl phenyl ether | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Methylphenol | ND | H | 10 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Nitroaniline | ND | H | 10 | 0.25 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| 4-Nitrophenol | ND | H | 10 | 1.5 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Acenaphthene | ND | H | 5.0 | 0.41 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Acenaphthylene | ND | H | 5.0 | 0.38 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Acetophenone | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| **Aniline** | **0.71** | **J H** | 10 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Anthracene | ND | H | 5.0 | 0.28 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Atrazine | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzaldehyde | ND | H | 5.0 | 0.27 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzo(a)anthracene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzo(a)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzo(b)fluoranthene | ND | H | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzo(g,h,i)perylene | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Benzo(k)fluoranthene | ND | H | 5.0 | 0.73 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Biphenyl | ND | H | 5.0 | 0.65 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| bis (2-chloroisopropyl) ether | ND | H | 5.0 | 0.52 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Bis(2-chloroethoxy)methane | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Bis(2-chloroethyl)ether | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Butyl benzyl phthalate | ND | H | 5.0 | 1.0 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Caprolactam | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Carbazole | ND | H | 5.0 | 0.30 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Chrysene | ND | H | 5.0 | 0.33 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Dibenz(a,h)anthracene | ND | H | 5.0 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Dibenzofuran | ND | H | 10 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Diethyl phthalate | ND | H | 5.0 | 0.22 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Dimethyl phthalate | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Di-n-butyl phthalate | ND | H | 5.0 | 0.31 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Di-n-octyl phthalate | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Fluoranthene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Fluorene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Hexachlorobenzene | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Hexachlorobutadiene | ND | H | 5.0 | 0.68 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Hexachlorocyclopentadiene | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Hexachloroethane | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Isophorone | ND | H | 5.0 | 0.43 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Naphthalene | ND | H | 5.0 | 0.76 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| **Nitrobenzene** | **0.43** | **J H** | 5.0 | 0.29 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| N-Nitrosodi-n-propylamine | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| N-Nitrosodiphenylamine | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Pentachlorophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Phenanthrene | ND | H | 5.0 | 0.44 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |
| Phenol | ND | H | 5.0 | 0.39 | ug/L | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04 D_0822

**Lab Sample ID: 480-200849-1**

**Date Collected: 08/18/22 11:25**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

### 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 | | 08/26/22 10:46 | 08/29/22 23:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *93* | | *41 - 120* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |
| *2-Fluorobiphenyl* | *87* | | *48 - 120* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |
| *2-Fluorophenol* | *55* | | *35 - 120* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |
| *Nitrobenzene-d5* | *71* | | *46 - 120* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |
| *Phenol-d5* | *41* | | *22 - 120* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |
| *p-Terphenyl-d14* | *62* | | *60 - 148* | *08/26/22 10:46* | *08/29/22 23:40* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Barium** | **1.3** | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Calcium** | **233** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Iron** | **2.5** | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Magnesium** | **29.4** | | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Manganese** | **0.73** | | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Potassium** | **13.0** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Sodium** | **79.8** | | 1.0 | 0.32 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 1 |
| **Zinc** | **0.0021** | **J** | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:12 | 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 10:16 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.0 | 4.1 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.1 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.6 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.2 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,1-Dichloroethane | ND | | 5.0 | 1.9 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,1-Dichloroethene | ND | | 5.0 | 1.5 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 2.1 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.0 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2-Dibromoethane | ND | | 5.0 | 3.7 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 4.0 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2-Dichloroethane | ND | | 5.0 | 1.1 | ug/L | | | 08/20/22 03:31 | 5 |
| 1,2-Dichloropropane | ND | | 5.0 | 3.6 | ug/L | | | 08/20/22 03:31 | 5 |
| **1,3-Dichlorobenzene** | **15** | | 5.0 | 3.9 | ug/L | | | 08/20/22 03:31 | 5 |
| **1,4-Dichlorobenzene** | **32** | | 5.0 | 4.2 | ug/L | | | 08/20/22 03:31 | 5 |
| 2-Butanone (MEK) | ND | | 50 | 6.6 | ug/L | | | 08/20/22 03:31 | 5 |
| 2-Hexanone | ND | | 25 | 6.2 | ug/L | | | 08/20/22 03:31 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 11 | ug/L | | | 08/20/22 03:31 | 5 |
| Acetone | ND | | 50 | 15 | ug/L | | | 08/20/22 03:31 | 5 |
| Benzene | ND | | 5.0 | 2.1 | ug/L | | | 08/20/22 03:31 | 5 |
| Bromodichloromethane | ND | | 5.0 | 2.0 | ug/L | | | 08/20/22 03:31 | 5 |
| Bromoform | ND | | 5.0 | 1.3 | ug/L | | | 08/20/22 03:31 | 5 |
| Bromomethane | ND | | 5.0 | 3.5 | ug/L | | | 08/20/22 03:31 | 5 |
| Carbon disulfide | ND | | 5.0 | 0.95 | ug/L | | | 08/20/22 03:31 | 5 |
| Carbon tetrachloride | ND | | 5.0 | 1.4 | ug/L | | | 08/20/22 03:31 | 5 |
| **Chlorobenzene** | **310** | **F1** | 5.0 | 3.8 | ug/L | | | 08/20/22 03:31 | 5 |
| Chloroethane | ND | | 5.0 | 1.6 | ug/L | | | 08/20/22 03:31 | 5 |
| Chloroform | ND | | 5.0 | 1.7 | ug/L | | | 08/20/22 03:31 | 5 |
| Chloromethane | ND | | 5.0 | 1.8 | ug/L | | | 08/20/22 03:31 | 5 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 4.1 | ug/L | | | 08/20/22 03:31 | 5 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.8 | ug/L | | | 08/20/22 03:31 | 5 |
| Cyclohexane | ND | | 5.0 | 0.90 | ug/L | | | 08/20/22 03:31 | 5 |
| Dibromochloromethane | ND | | 5.0 | 1.6 | ug/L | | | 08/20/22 03:31 | 5 |
| Dichlorodifluoromethane | ND | | 5.0 | 3.4 | ug/L | | | 08/20/22 03:31 | 5 |
| Ethylbenzene | ND | | 5.0 | 3.7 | ug/L | | | 08/20/22 03:31 | 5 |
| Isopropylbenzene | ND | | 5.0 | 4.0 | ug/L | | | 08/20/22 03:31 | 5 |
| Methyl acetate | ND | | 13 | 6.5 | ug/L | | | 08/20/22 03:31 | 5 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.80 | ug/L | | | 08/20/22 03:31 | 5 |
| Methylcyclohexane | ND | | 5.0 | 0.80 | ug/L | | | 08/20/22 03:31 | 5 |
| Methylene Chloride | ND | | 5.0 | 2.2 | ug/L | | | 08/20/22 03:31 | 5 |
| Styrene | ND | | 5.0 | 3.7 | ug/L | | | 08/20/22 03:31 | 5 |
| Tetrachloroethene | ND | | 5.0 | 1.8 | ug/L | | | 08/20/22 03:31 | 5 |
| Toluene | ND | | 5.0 | 2.6 | ug/L | | | 08/20/22 03:31 | 5 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 4.5 | ug/L | | | 08/20/22 03:31 | 5 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.9 | ug/L | | | 08/20/22 03:31 | 5 |
| Trichloroethene | ND | | 5.0 | 2.3 | ug/L | | | 08/20/22 03:31 | 5 |
| Trichlorofluoromethane | ND | | 5.0 | 4.4 | ug/L | | | 08/20/22 03:31 | 5 |
| Vinyl chloride | ND | | 5.0 | 4.5 | ug/L | | | 08/20/22 03:31 | 5 |
| Xylenes, Total | ND | | 10 | 3.3 | ug/L | | | 08/20/22 03:31 | 5 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**
**Date Received: 08/18/22 15:00**

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *77 - 120* | | *08/20/22 03:31* | *5* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *73 - 120* | | *08/20/22 03:31* | *5* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *08/20/22 03:31* | *5* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* | | *08/20/22 03:31* | *5* |

### 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 | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| **2,4-Dichlorophenol** | **2.9** | **J** | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Methylnaphthalene | ND | *- | 5.0 | 0.60 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| **Aniline** | **0.85** | **J** | 10 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzo(a)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzo(b)fluoranthene | ND | F2 | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzo(g,h,i)perylene | ND | F2 | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

### 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 | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Dibenz(a,h)anthracene | ND | F2 | 5.0 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Hexachloroethane | ND | *- | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Naphthalene | ND | *- | 5.0 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| **Nitrobenzene** | **0.33** | **J** | 5.0 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 09:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *96* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 09:51* | *1* |
| *2-Fluorobiphenyl* | *81* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 09:51* | *1* |
| *2-Fluorophenol* | *57* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 09:51* | *1* |
| *Nitrobenzene-d5* | *73* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 09:51* | *1* |
| *Phenol-d5* | *42* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 09:51* | *1* |
| *p-Terphenyl-d14* | *60* | | *60 - 148* | *08/23/22 08:19* | *08/25/22 09:51* | *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 F2 | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2,4,6-Trichlorophenol | ND | H | 5.0 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| **2,4-Dichlorophenol** | **3.2** | **J H** | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2,4-Dimethylphenol | ND | H | 5.0 | 0.50 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2,4-Dinitrophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2,4-Dinitrotoluene | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2,6-Dinitrotoluene | ND | H F2 | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Chloronaphthalene | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Chlorophenol | ND | H | 5.0 | 0.53 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Methylnaphthalene | ND | H | 5.0 | 0.60 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Methylphenol | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Nitroaniline | ND | H F2 | 10 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 2-Nitrophenol | ND | H | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 3,3'-Dichlorobenzidine | ND | H F2 | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 3-Nitroaniline | ND | H | 10 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | H F2 | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

### 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 F2 | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Chloro-3-methylphenol | ND | H F1 | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Chloroaniline | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Chlorophenyl phenyl ether | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Methylphenol | ND | H | 10 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Nitroaniline | ND | H | 10 | 0.25 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| 4-Nitrophenol | ND | H | 10 | 1.5 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Acenaphthene | ND | H | 5.0 | 0.41 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Acenaphthylene | ND | H F1 | 5.0 | 0.38 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Acetophenone | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| **Aniline** | **0.79** | **J H** | 10 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Anthracene | ND | H F2 | 5.0 | 0.28 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Atrazine | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzaldehyde | ND | H | 5.0 | 0.27 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzo(a)anthracene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzo(a)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzo(b)fluoranthene | ND | H | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzo(g,h,i)perylene | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Benzo(k)fluoranthene | ND | H | 5.0 | 0.73 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Biphenyl | ND | H F1 | 5.0 | 0.65 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| bis (2-chloroisopropyl) ether | ND | H | 5.0 | 0.52 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Bis(2-chloroethoxy)methane | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Bis(2-chloroethyl)ether | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Butyl benzyl phthalate | ND | H F2 | 5.0 | 1.0 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Caprolactam | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Carbazole | ND | H F2 | 5.0 | 0.30 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Chrysene | ND | H | 5.0 | 0.33 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Dibenz(a,h)anthracene | ND | H | 5.0 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Dibenzofuran | ND | H | 10 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Diethyl phthalate | ND | H F2 | 5.0 | 0.22 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Dimethyl phthalate | ND | H F2 | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Di-n-butyl phthalate | ND | H F2 | 5.0 | 0.31 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Di-n-octyl phthalate | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Fluoranthene | ND | H F2 | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Fluorene | ND | H F2 | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Hexachlorobenzene | ND | H F2 | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Hexachlorobutadiene | ND | H | 5.0 | 0.68 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Hexachlorocyclopentadiene | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Hexachloroethane | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Isophorone | ND | H | 5.0 | 0.43 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Naphthalene | ND | H | 5.0 | 0.76 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| **Nitrobenzene** | **0.37** | **J H** | 5.0 | 0.29 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| N-Nitrosodi-n-propylamine | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| N-Nitrosodiphenylamine | ND | H F2 | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Pentachlorophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Phenanthrene | ND | H F2 | 5.0 | 0.44 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |
| Phenol | ND | H | 5.0 | 0.39 | ug/L | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**
**Date Received: 08/18/22 15:00**

**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 | | 08/26/22 10:46 | 08/29/22 18:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *83* | | *41 - 120* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |
| *2-Fluorobiphenyl* | *84* | | *48 - 120* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |
| *2-Fluorophenol* | *58* | | *35 - 120* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |
| *Nitrobenzene-d5* | *71* | | *46 - 120* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |
| *Phenol-d5* | *40* | | *22 - 120* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |
| *p-Terphenyl-d14* | *59* | *S1-* | *60 - 148* | *08/26/22 10:46* | *08/29/22 18:11* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Barium** | **1.4** | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Calcium** | **240** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Iron** | **2.6** | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Magnesium** | **30.7** | **F1** | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Manganese** | **0.77** | **F1** | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Potassium** | **13.4** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Sodium** | **83.6** | | 1.0 | 0.32 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 1 |
| **Zinc** | **0.0040** | **J** | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:16 | 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 10:17 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

### 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 | | | 08/20/22 03:52 | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | 2.0 | 0.42 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 2.0 | 0.62 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,1,2-Trichloroethane | ND | | 2.0 | 0.46 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,1-Dichloroethane | ND | | 2.0 | 0.76 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,1-Dichloroethene | ND | | 2.0 | 0.58 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.82 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.78 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,2-Dibromoethane | ND | | 2.0 | 1.5 | ug/L | | | 08/20/22 03:52 | 2 |
| **1,2-Dichlorobenzene** | **1.8** | **J** | 2.0 | 1.6 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,2-Dichloroethane | ND | | 2.0 | 0.42 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,2-Dichloropropane | ND | | 2.0 | 1.4 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,3-Dichlorobenzene | ND | | 2.0 | 1.6 | ug/L | | | 08/20/22 03:52 | 2 |
| 1,4-Dichlorobenzene | ND | | 2.0 | 1.7 | ug/L | | | 08/20/22 03:52 | 2 |
| 2-Butanone (MEK) | ND | | 20 | 2.6 | ug/L | | | 08/20/22 03:52 | 2 |
| 2-Hexanone | ND | | 10 | 2.5 | ug/L | | | 08/20/22 03:52 | 2 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 4.2 | ug/L | | | 08/20/22 03:52 | 2 |
| Acetone | ND | | 20 | 6.0 | ug/L | | | 08/20/22 03:52 | 2 |
| Benzene | ND | | 2.0 | 0.82 | ug/L | | | 08/20/22 03:52 | 2 |
| Bromodichloromethane | ND | | 2.0 | 0.78 | ug/L | | | 08/20/22 03:52 | 2 |
| Bromoform | ND | | 2.0 | 0.52 | ug/L | | | 08/20/22 03:52 | 2 |
| Bromomethane | ND | | 2.0 | 1.4 | ug/L | | | 08/20/22 03:52 | 2 |
| Carbon disulfide | ND | | 2.0 | 0.38 | ug/L | | | 08/20/22 03:52 | 2 |
| Carbon tetrachloride | ND | | 2.0 | 0.54 | ug/L | | | 08/20/22 03:52 | 2 |
| **Chlorobenzene** | **100** | | 2.0 | 1.5 | ug/L | | | 08/20/22 03:52 | 2 |
| Chloroethane | ND | | 2.0 | 0.64 | ug/L | | | 08/20/22 03:52 | 2 |
| Chloroform | ND | | 2.0 | 0.68 | ug/L | | | 08/20/22 03:52 | 2 |
| Chloromethane | ND | | 2.0 | 0.70 | ug/L | | | 08/20/22 03:52 | 2 |
| cis-1,2-Dichloroethene | ND | | 2.0 | 1.6 | ug/L | | | 08/20/22 03:52 | 2 |
| cis-1,3-Dichloropropene | ND | | 2.0 | 0.72 | ug/L | | | 08/20/22 03:52 | 2 |
| Cyclohexane | ND | | 2.0 | 0.36 | ug/L | | | 08/20/22 03:52 | 2 |
| Dibromochloromethane | ND | | 2.0 | 0.64 | ug/L | | | 08/20/22 03:52 | 2 |
| Dichlorodifluoromethane | ND | | 2.0 | 1.4 | ug/L | | | 08/20/22 03:52 | 2 |
| Ethylbenzene | ND | | 2.0 | 1.5 | ug/L | | | 08/20/22 03:52 | 2 |
| Isopropylbenzene | ND | | 2.0 | 1.6 | ug/L | | | 08/20/22 03:52 | 2 |
| Methyl acetate | ND | | 5.0 | 2.6 | ug/L | | | 08/20/22 03:52 | 2 |
| Methyl tert-butyl ether | ND | | 2.0 | 0.32 | ug/L | | | 08/20/22 03:52 | 2 |
| Methylcyclohexane | ND | | 2.0 | 0.32 | ug/L | | | 08/20/22 03:52 | 2 |
| Methylene Chloride | ND | | 2.0 | 0.88 | ug/L | | | 08/20/22 03:52 | 2 |
| Styrene | ND | | 2.0 | 1.5 | ug/L | | | 08/20/22 03:52 | 2 |
| Tetrachloroethene | ND | | 2.0 | 0.72 | ug/L | | | 08/20/22 03:52 | 2 |
| Toluene | ND | | 2.0 | 1.0 | ug/L | | | 08/20/22 03:52 | 2 |
| trans-1,2-Dichloroethene | ND | | 2.0 | 1.8 | ug/L | | | 08/20/22 03:52 | 2 |
| trans-1,3-Dichloropropene | ND | | 2.0 | 0.74 | ug/L | | | 08/20/22 03:52 | 2 |
| Trichloroethene | ND | | 2.0 | 0.92 | ug/L | | | 08/20/22 03:52 | 2 |
| Trichlorofluoromethane | ND | | 2.0 | 1.8 | ug/L | | | 08/20/22 03:52 | 2 |
| Vinyl chloride | ND | | 2.0 | 1.8 | ug/L | | | 08/20/22 03:52 | 2 |
| Xylenes, Total | ND | | 4.0 | 1.3 | ug/L | | | 08/20/22 03:52 | 2 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**
**Date Received: 08/18/22 15:00**

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* | | *08/20/22 03:52* | *2* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* | | *08/20/22 03:52* | *2* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *08/20/22 03:52* | *2* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* | | *08/20/22 03:52* | *2* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.2 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.2 | 0.64 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,4-Dichlorophenol | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,4-Dimethylphenol | ND | | 5.2 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Chloronaphthalene | ND | | 5.2 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Chlorophenol | ND | | 5.2 | 0.55 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Methylnaphthalene | ND | *- | 5.2 | 0.63 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Methylphenol | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 2-Nitrophenol | ND | | 5.2 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Chloroaniline | ND | | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Methylphenol | ND | | 10 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.26 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.6 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Acenaphthene | ND | | 5.2 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Acenaphthylene | ND | | 5.2 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Acetophenone | ND | | 5.2 | 0.56 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Aniline | ND | | 10 | 0.64 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Anthracene | ND | | 5.2 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Atrazine | ND | | 5.2 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzaldehyde | ND | | 5.2 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzo(a)anthracene | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzo(a)pyrene | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzo(b)fluoranthene | ND | | 5.2 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Benzo(k)fluoranthene | ND | | 5.2 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Biphenyl | ND | | 5.2 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.2 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.2 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Butyl benzyl phthalate | ND | | 5.2 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Caprolactam | ND | | 5.2 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Carbazole | ND | | 5.2 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chrysene | ND | | 5.2 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.2 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Dibenzofuran | ND | | 10 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Diethyl phthalate | ND | | 5.2 | 0.23 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Dimethyl phthalate | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Di-n-butyl phthalate | ND | | 5.2 | 0.32 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Di-n-octyl phthalate | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Fluoranthene | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Fluorene | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Hexachlorobenzene | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Hexachlorobutadiene | ND | | 5.2 | 0.71 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Hexachloroethane | ND | *- | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Isophorone | ND | | 5.2 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Naphthalene | ND | *- | 5.2 | 0.79 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Nitrobenzene | ND | | 5.2 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.2 | 0.56 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Pentachlorophenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Phenanthrene | ND | | 5.2 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Phenol | ND | | 5.2 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |
| Pyrene | ND | | 5.2 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 14:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *86* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 14:24* | *1* |
| *2-Fluorobiphenyl* | *69* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 14:24* | *1* |
| *2-Fluorophenol* | *49* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 14:24* | *1* |
| *Nitrobenzene-d5* | *62* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 14:24* | *1* |
| *Phenol-d5* | *38* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 14:24* | *1* |
| *p-Terphenyl-d14* | *66* | | *60 - 148* | *08/23/22 08:19* | *08/25/22 14:24* | *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 | 5.2 | 0.50 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,4,6-Trichlorophenol | ND | H | 5.2 | 0.64 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,4-Dichlorophenol | ND | H | 5.2 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,4-Dimethylphenol | ND | H | 5.2 | 0.52 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,4-Dinitrophenol | ND | H | 10 | 2.3 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,4-Dinitrotoluene | ND | H | 5.2 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2,6-Dinitrotoluene | ND | H | 5.2 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Chloronaphthalene | ND | H | 5.2 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Chlorophenol | ND | H | 5.2 | 0.55 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Methylnaphthalene | ND | H | 5.2 | 0.63 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Methylphenol | ND | H | 5.2 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Nitroaniline | ND | H | 10 | 0.44 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 2-Nitrophenol | ND | H | 5.2 | 0.50 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 3,3'-Dichlorobenzidine | ND | H | 5.2 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 3-Nitroaniline | ND | H | 10 | 0.50 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | H | 10 | 2.3 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

### 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 | 5.2 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Chloro-3-methylphenol | ND | H | 5.2 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Chloroaniline | ND | H | 5.2 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Chlorophenyl phenyl ether | ND | H | 5.2 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Methylphenol | ND | H | 10 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Nitroaniline | ND | H | 10 | 0.26 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| 4-Nitrophenol | ND | H | 10 | 1.6 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Acenaphthene | ND | H | 5.2 | 0.43 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Acenaphthylene | ND | H | 5.2 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Acetophenone | ND | H | 5.2 | 0.56 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Aniline | ND | H | 10 | 0.64 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Anthracene | ND | H | 5.2 | 0.29 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Atrazine | ND | H | 5.2 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzaldehyde | ND | H | 5.2 | 0.28 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzo(a)anthracene | ND | H | 5.2 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzo(a)pyrene | ND | H | 5.2 | 0.49 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzo(b)fluoranthene | ND | H | 5.2 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzo(g,h,i)perylene | ND | H | 5.2 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Benzo(k)fluoranthene | ND | H | 5.2 | 0.76 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Biphenyl | ND | H | 5.2 | 0.68 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| bis (2-chloroisopropyl) ether | ND | H | 5.2 | 0.54 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Bis(2-chloroethoxy)methane | ND | H | 5.2 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Bis(2-chloroethyl)ether | ND | H | 5.2 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | H | 5.2 | 2.3 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Butyl benzyl phthalate | ND | H | 5.2 | 1.0 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Caprolactam | ND | H | 5.2 | 2.3 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Carbazole | ND | H | 5.2 | 0.31 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Chrysene | ND | H | 5.2 | 0.34 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Dibenz(a,h)anthracene | ND | H | 5.2 | 0.44 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Dibenzofuran | ND | H | 10 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Diethyl phthalate | ND | H | 5.2 | 0.23 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Dimethyl phthalate | ND | H | 5.2 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Di-n-butyl phthalate | ND | H | 5.2 | 0.32 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Di-n-octyl phthalate | ND | H | 5.2 | 0.49 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Fluoranthene | ND | H | 5.2 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Fluorene | ND | H | 5.2 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Hexachlorobenzene | ND | H | 5.2 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Hexachlorobutadiene | ND | H | 5.2 | 0.71 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Hexachlorocyclopentadiene | ND | H | 5.2 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Hexachloroethane | ND | H | 5.2 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | H | 5.2 | 0.49 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Isophorone | ND | H | 5.2 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Naphthalene | ND | H | 5.2 | 0.79 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Nitrobenzene | ND | H | 5.2 | 0.30 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| N-Nitrosodi-n-propylamine | ND | H | 5.2 | 0.56 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| N-Nitrosodiphenylamine | ND | H | 5.2 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Pentachlorophenol | ND | H | 10 | 2.3 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Phenanthrene | ND | H | 5.2 | 0.46 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |
| Phenol | ND | H | 5.2 | 0.41 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**
**Date Received: 08/18/22 15:00**

**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 | 5.2 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 00:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *80* | | *41 - 120* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |
| *2-Fluorobiphenyl* | *67* | | *48 - 120* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |
| *2-Fluorophenol* | *39* | | *35 - 120* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |
| *Nitrobenzene-d5* | *50* | | *46 - 120* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |
| *Phenol-d5* | *31* | | *22 - 120* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |
| *p-Terphenyl-d14* | *64* | | *60 - 148* | *08/26/22 10:46* | *08/30/22 00:08* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Arsenic** | **0.0091** | **J** | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Barium** | **0.082** | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Calcium** | **161** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Chromium** | **0.0015** | **J** | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Iron** | **2.9** | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Magnesium** | **25.8** | | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Manganese** | **0.071** | | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Potassium** | **7.1** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| **Sodium** | **77.1** | | 1.0 | 0.32 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |
| Zinc | ND | | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 14:57 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 08/21/22 15:40 | 08/22/22 10:22 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-20A_0822

**Lab Sample ID: 480-200849-4**

**Date Collected: 08/18/22 12:00**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

### 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 | | | 08/20/22 04:15 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 08/20/22 04:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 08/20/22 04:15 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 08/20/22 04:15 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 08/20/22 04:15 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 08/20/22 04:15 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 08/20/22 04:15 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 08/20/22 04:15 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 08/20/22 04:15 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 08/20/22 04:15 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 08/20/22 04:15 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 08/20/22 04:15 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 08/20/22 04:15 | 1 |
| **Chlorobenzene** | **1.4** | | 1.0 | 0.75 | ug/L | | | 08/20/22 04:15 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 08/20/22 04:15 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 08/20/22 04:15 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 08/20/22 04:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 08/20/22 04:15 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 08/20/22 04:15 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 08/20/22 04:15 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 08/20/22 04:15 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 08/20/22 04:15 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 08/20/22 04:15 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/20/22 04:15 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 08/20/22 04:15 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 08/20/22 04:15 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 08/20/22 04:15 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 08/20/22 04:15 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 08/20/22 04:15 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 08/20/22 04:15 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 08/20/22 04:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 08/20/22 04:15 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 08/20/22 04:15 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 08/20/22 04:15 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 08/20/22 04:15 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 08/20/22 04:15 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 08/20/22 04:15 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-20A_0822

**Date Collected: 08/18/22 12:00**
**Date Received: 08/18/22 15:00**

## Lab Sample ID: 480-200849-4

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* | | *08/20/22 04:15* | *1* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *73 - 120* | | *08/20/22 04:15* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *08/20/22 04:15* | *1* |
| *Dibromofluoromethane (Surr)* | *106* | | *75 - 123* | | *08/20/22 04:15* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.2 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.2 | 0.64 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,4-Dichlorophenol | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,4-Dimethylphenol | ND | | 5.2 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Chloronaphthalene | ND | | 5.2 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Chlorophenol | ND | | 5.2 | 0.55 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Methylnaphthalene | ND | *- | 5.2 | 0.63 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Methylphenol | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 2-Nitrophenol | ND | | 5.2 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.2 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Chloroaniline | ND | | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Methylphenol | ND | | 10 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.26 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.6 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Acenaphthene | ND | | 5.2 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Acenaphthylene | ND | | 5.2 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Acetophenone | ND | | 5.2 | 0.56 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Aniline | ND | | 10 | 0.64 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Anthracene | ND | | 5.2 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Atrazine | ND | | 5.2 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzaldehyde | ND | | 5.2 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzo(a)anthracene | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzo(a)pyrene | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzo(b)fluoranthene | ND | | 5.2 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Benzo(k)fluoranthene | ND | | 5.2 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Biphenyl | ND | | 5.2 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.2 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.2 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.2 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Butyl benzyl phthalate | ND | | 5.2 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Caprolactam | ND | | 5.2 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Carbazole | ND | | 5.2 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |

## Client Sample ID: BCC Area C RFI-20A_0822

**Lab Sample ID: 480-200849-4**

**Date Collected: 08/18/22 12:00**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chrysene | ND | | 5.2 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.2 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Dibenzofuran | ND | | 10 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Diethyl phthalate | ND | | 5.2 | 0.23 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Dimethyl phthalate | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Di-n-butyl phthalate | ND | | 5.2 | 0.32 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Di-n-octyl phthalate | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Fluoranthene | ND | | 5.2 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Fluorene | ND | | 5.2 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Hexachlorobenzene | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Hexachlorobutadiene | ND | | 5.2 | 0.71 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Hexachloroethane | ND | *- | 5.2 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.2 | 0.49 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Isophorone | ND | | 5.2 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Naphthalene | ND | *- | 5.2 | 0.79 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Nitrobenzene | ND | | 5.2 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.2 | 0.56 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.2 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Pentachlorophenol | ND | | 10 | 2.3 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Phenanthrene | ND | | 5.2 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Phenol | ND | | 5.2 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |
| Pyrene | ND | | 5.2 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 14:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *81* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 14:52* | *1* |
| *2-Fluorobiphenyl* | *72* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 14:52* | *1* |
| *2-Fluorophenol* | *50* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 14:52* | *1* |
| *Nitrobenzene-d5* | *63* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 14:52* | *1* |
| *Phenol-d5* | *40* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 14:52* | *1* |
| *p-Terphenyl-d14* | *62* | | *60 - 148* | *08/23/22 08:19* | *08/25/22 14:52* | *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 | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,4,6-Trichlorophenol | ND | H | 5.0 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,4-Dichlorophenol | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,4-Dimethylphenol | ND | H | 5.0 | 0.50 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,4-Dinitrophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,4-Dinitrotoluene | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2,6-Dinitrotoluene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Chloronaphthalene | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Chlorophenol | ND | H | 5.0 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Methylnaphthalene | ND | H | 5.0 | 0.60 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Methylphenol | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Nitroaniline | ND | H | 10 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 2-Nitrophenol | ND | H | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 3,3'-Dichlorobenzidine | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 3-Nitroaniline | ND | H | 10 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |

## Client Sample ID: BCC Area C RFI-20A_0822

**Lab Sample ID: 480-200849-4**

**Date Collected: 08/18/22 12:00**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

### 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 | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Chloro-3-methylphenol | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Chloroaniline | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Chlorophenyl phenyl ether | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Methylphenol | ND | H | 10 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Nitroaniline | ND | H | 10 | 0.25 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| 4-Nitrophenol | ND | H | 10 | 1.5 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Acenaphthene | ND | H | 5.0 | 0.41 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Acenaphthylene | ND | H | 5.0 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Acetophenone | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Aniline | ND | H | 10 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Anthracene | ND | H | 5.0 | 0.28 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Atrazine | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzaldehyde | ND | H | 5.0 | 0.27 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzo(a)anthracene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzo(a)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzo(b)fluoranthene | ND | H | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzo(g,h,i)perylene | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Benzo(k)fluoranthene | ND | H | 5.0 | 0.73 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Biphenyl | ND | H | 5.0 | 0.65 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| bis (2-chloroisopropyl) ether | ND | H | 5.0 | 0.52 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Bis(2-chloroethoxy)methane | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Bis(2-chloroethyl)ether | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Butyl benzyl phthalate | ND | H | 5.0 | 1.0 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Caprolactam | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Carbazole | ND | H | 5.0 | 0.30 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Chrysene | ND | H | 5.0 | 0.33 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Dibenz(a,h)anthracene | ND | H | 5.0 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Dibenzofuran | ND | H | 10 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Diethyl phthalate | ND | H | 5.0 | 0.22 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Dimethyl phthalate | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Di-n-butyl phthalate | ND | H | 5.0 | 0.31 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Di-n-octyl phthalate | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Fluoranthene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Fluorene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Hexachlorobenzene | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Hexachlorobutadiene | ND | H | 5.0 | 0.68 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Hexachlorocyclopentadiene | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Hexachloroethane | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Isophorone | ND | H | 5.0 | 0.43 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Naphthalene | ND | H | 5.0 | 0.76 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Nitrobenzene | ND | H | 5.0 | 0.29 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| N-Nitrosodi-n-propylamine | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| N-Nitrosodiphenylamine | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Pentachlorophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| **Phenanthrene** | **0.64** | **J H** | 5.0 | 0.44 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |
| Phenol | ND | H | 5.0 | 0.39 | ug/L | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-20A_0822

**Lab Sample ID: 480-200849-4**

**Date Collected: 08/18/22 12:00**
**Date Received: 08/18/22 15:00**

**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 | | 08/26/22 10:46 | 08/30/22 00:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *87* | | *41 - 120* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |
| *2-Fluorobiphenyl* | *88* | | *48 - 120* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |
| *2-Fluorophenol* | *56* | | *35 - 120* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |
| *Nitrobenzene-d5* | *69* | | *46 - 120* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |
| *Phenol-d5* | *42* | | *22 - 120* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |
| *p-Terphenyl-d14* | *72* | | *60 - 148* | *08/26/22 10:46* | *08/30/22 00:35* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.087** | **J** | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Barium** | **0.061** | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Calcium** | **258** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Cobalt** | **0.0016** | **J** | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Iron** | **7.6** | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Magnesium** | **16.4** | | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Manganese** | **0.47** | | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Nickel** | **0.0057** | **J** | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Potassium** | **11.5** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Sodium** | **57.4** | | 1.0 | 0.32 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 1 |
| **Zinc** | **0.079** | | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:00 | 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 10:26 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.0 | 3.3 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 04:36 | 4 |
| **1,2-Dichlorobenzene** | **30** | | 4.0 | 3.2 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 08/20/22 04:36 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 04:36 | 4 |
| **1,4-Dichlorobenzene** | **170** | | 4.0 | 3.4 | ug/L | | | 08/20/22 04:36 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 08/20/22 04:36 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 08/20/22 04:36 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 08/20/22 04:36 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 08/20/22 04:36 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 04:36 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 08/20/22 04:36 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 08/20/22 04:36 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 08/20/22 04:36 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 08/20/22 04:36 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 08/20/22 04:36 | 4 |
| **Chlorobenzene** | **110** | | 4.0 | 3.0 | ug/L | | | 08/20/22 04:36 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 08/20/22 04:36 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 04:36 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 04:36 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 08/20/22 04:36 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 04:36 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 08/20/22 04:36 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 08/20/22 04:36 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 08/20/22 04:36 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 08/20/22 04:36 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 08/20/22 04:36 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 08/20/22 04:36 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 08/20/22 04:36 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 08/20/22 04:36 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 08/20/22 04:36 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 08/20/22 04:36 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 08/20/22 04:36 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 08/20/22 04:36 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 08/20/22 04:36 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 08/20/22 04:36 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 08/20/22 04:36 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 08/20/22 04:36 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 08/20/22 04:36 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 08/20/22 04:36 | 4 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *77 - 120* | | *08/20/22 04:36* | *4* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* | | *08/20/22 04:36* | *4* |

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

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

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *08/20/22 04:36* | *4* |
| *Dibromofluoromethane (Surr)* | *106* | | *75 - 123* | | *08/20/22 04:36* | *4* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,2,4-Trichlorobenzene** | **910** | | 20 | 8.2 | ug/L | | | 08/22/22 13:03 | 20 |
| **1,3-Dichlorobenzene** | **910** | | 20 | 16 | ug/L | | | 08/22/22 13:03 | 20 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *77 - 120* | | *08/22/22 13:03* | *20* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *73 - 120* | | *08/22/22 13:03* | *20* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *08/22/22 13:03* | *20* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* | | *08/22/22 13:03* | *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 | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| **2,4-Dichlorophenol** | **0.77** | **J** | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Methylnaphthalene | ND | *- | 5.0 | 0.60 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**

**Matrix: Ground Water**

**Date Received: 08/18/22 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 | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Hexachloroethane | ND | *- | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Naphthalene | ND | *- | 5.0 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 15:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *82* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |
| *2-Fluorobiphenyl* | *72* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |
| *2-Fluorophenol* | *48* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |
| *Nitrobenzene-d5* | *61* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |
| *Phenol-d5* | *38* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |
| *p-Terphenyl-d14* | *53* | *S1-* | *60 - 148* | *08/23/22 08:19* | *08/25/22 15:19* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **2,4,5-Trichlorophenol** | **0.51** | **J H** | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2,4,6-Trichlorophenol | ND | H | 5.0 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| **2,4-Dichlorophenol** | **0.91** | **J H** | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2,4-Dimethylphenol | ND | H | 5.0 | 0.50 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2,4-Dinitrophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2,4-Dinitrotoluene | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2,6-Dinitrotoluene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2-Chloronaphthalene | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2-Chlorophenol | ND | H | 5.0 | 0.53 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2-Methylnaphthalene | ND | H | 5.0 | 0.60 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2-Methylphenol | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2-Nitroaniline | ND | H | 10 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 2-Nitrophenol | ND | H | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 3,3'-Dichlorobenzidine | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 3-Nitroaniline | ND | H | 10 | 0.48 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Bromophenyl phenyl ether | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Chloro-3-methylphenol | ND | H | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Chloroaniline | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Chlorophenyl phenyl ether | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Methylphenol | ND | H | 10 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Nitroaniline | ND | H | 10 | 0.25 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| 4-Nitrophenol | ND | H | 10 | 1.5 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Acenaphthene | ND | H | 5.0 | 0.41 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Acenaphthylene | ND | H | 5.0 | 0.38 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Acetophenone | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| **Aniline** | **0.62** | **J H** | 10 | 0.61 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Anthracene | ND | H | 5.0 | 0.28 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Atrazine | ND | H | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzaldehyde | ND | H | 5.0 | 0.27 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzo(a)anthracene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzo(a)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzo(b)fluoranthene | ND | H | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzo(g,h,i)perylene | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Benzo(k)fluoranthene | ND | H | 5.0 | 0.73 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Biphenyl | ND | H | 5.0 | 0.65 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| bis (2-chloroisopropyl) ether | ND | H | 5.0 | 0.52 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Bis(2-chloroethoxy)methane | ND | H | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Bis(2-chloroethyl)ether | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Butyl benzyl phthalate | ND | H | 5.0 | 1.0 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Caprolactam | ND | H | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Carbazole | ND | H | 5.0 | 0.30 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Chrysene | ND | H | 5.0 | 0.33 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Dibenz(a,h)anthracene | ND | H | 5.0 | 0.42 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Dibenzofuran | ND | H | 10 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Diethyl phthalate | ND | H | 5.0 | 0.22 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Dimethyl phthalate | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Di-n-butyl phthalate | ND | H | 5.0 | 0.31 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Di-n-octyl phthalate | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Fluoranthene | ND | H | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Fluorene | ND | H | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Hexachlorobenzene | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Hexachlorobutadiene | ND | H | 5.0 | 0.68 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Hexachlorocyclopentadiene | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Hexachloroethane | ND | H | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**

**Matrix: Ground Water**

**Date Received: 08/18/22 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | ND | H | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Isophorone | ND | H | 5.0 | 0.43 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Naphthalene | ND | H | 5.0 | 0.76 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Nitrobenzene | ND | H | 5.0 | 0.29 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| N-Nitrosodi-n-propylamine | ND | H | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| N-Nitrosodiphenylamine | ND | H | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Pentachlorophenol | ND | H | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Phenanthrene | ND | H | 5.0 | 0.44 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Phenol | ND | H | 5.0 | 0.39 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |
| Pyrene | ND | H | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/30/22 01:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *93* | | *41 - 120* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |
| *2-Fluorobiphenyl* | *66* | | *48 - 120* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |
| *2-Fluorophenol* | *42* | | *35 - 120* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |
| *Nitrobenzene-d5* | *51* | | *46 - 120* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |
| *Phenol-d5* | *31* | | *22 - 120* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |
| *p-Terphenyl-d14* | *59* | *S1-* | *60 - 148* | *08/26/22 10:46* | *08/30/22 01:02* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Arsenic** | **0.0090** | **J** | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Barium** | **0.027** | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Calcium** | **233** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Iron** | **0.90** | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Magnesium** | **70.3** | | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Manganese** | **0.64** | | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Nickel** | **0.0046** | **J** | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Potassium** | **11.2** | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Sodium** | **1530** | | 5.0 | 1.6 | mg/L | | 08/24/22 09:03 | 08/31/22 14:52 | 5 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 1 |
| **Zinc** | **0.022** | | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 15:04 | 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 10:28 | 1 |

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

Job ID: 480-200849-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-200849-6**

**Date Collected: 08/18/22 10:25**
**Matrix: Water**
**Date Received: 08/18/22 15:00**

### 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 | | | 08/24/22 21:49 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 08/24/22 21:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 08/24/22 21:49 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 08/24/22 21:49 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 08/24/22 21:49 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 08/24/22 21:49 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 08/24/22 21:49 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 08/24/22 21:49 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 08/24/22 21:49 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 08/24/22 21:49 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 08/24/22 21:49 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 08/24/22 21:49 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 08/24/22 21:49 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 08/24/22 21:49 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 08/24/22 21:49 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 08/24/22 21:49 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 08/24/22 21:49 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 08/24/22 21:49 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 08/24/22 21:49 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 08/24/22 21:49 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 08/24/22 21:49 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 08/24/22 21:49 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 08/24/22 21:49 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/24/22 21:49 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 08/24/22 21:49 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 08/24/22 21:49 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 08/24/22 21:49 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 08/24/22 21:49 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 08/24/22 21:49 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 08/24/22 21:49 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 08/24/22 21:49 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 08/24/22 21:49 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 08/24/22 21:49 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 08/24/22 21:49 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 08/24/22 21:49 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 08/24/22 21:49 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 08/24/22 21:49 | 1 |

# Client Sample Results

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

Job ID: 480-200849-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-200849-6**

**Date Collected: 08/18/22 10:25**

**Matrix: Water**

**Date Received: 08/18/22 15:00**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 77 - 120 | | 08/24/22 21:49 | 1 |
| 4-Bromofluorobenzene (Surr) | 101 | | 73 - 120 | | 08/24/22 21:49 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | 08/24/22 21:49 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 75 - 123 | | 08/24/22 21:49 | 1 |

# Surrogate Summary

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

Job ID: 480-200849-1

## 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) |
| 480-200849-1 | BCC Area C MW-C04 D_0822 | 99 | 101 | 99 | 105 |
| 480-200849-2 | BCC Area C MW-C04_0822 | 98 | 103 | 99 | 105 |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | 100 | 103 | 105 | 107 |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | 99 | 102 | 103 | 104 |
| 480-200849-3 | BCC Area C PS-05A_0822 | 99 | 102 | 99 | 105 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | 99 | 103 | 100 | 106 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | 100 | 102 | 100 | 106 |
| 480-200849-5 - DL | BCC Area C RFI-31A_0822 | 98 | 103 | 100 | 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) |
| 480-200849-6 | TRIP BLANK | 98 | 101 | 99 | 101 |
| LCS 480-638290/6 | Lab Control Sample | 99 | 102 | 103 | 105 |
| LCS 480-638441/5 | Lab Control Sample | 96 | 101 | 104 | 101 |
| LCS 480-638813/6 | Lab Control Sample | 95 | 101 | 102 | 97 |
| MB 480-638290/8 | Method Blank | 98 | 100 | 100 | 103 |
| MB 480-638441/7 | Method Blank | 97 | 101 | 100 | 103 |
| MB 480-638813/9 | Method Blank | 98 | 101 | 97 | 99 |

**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) |
| 480-200849-1 | BCC Area C MW-C04 D_0822 | 92 | 79 | 55 | 69 | 42 | 54 S1- |
| 480-200849-1 - RE | BCC Area C MW-C04 D_0822 | 93 | 87 | 55 | 71 | 41 | 62 |
| 480-200849-2 | BCC Area C MW-C04_0822 | 96 | 81 | 57 | 73 | 42 | 60 |
| 480-200849-2 - RE | BCC Area C MW-C04_0822 | 83 | 84 | 58 | 71 | 40 | 59 S1- |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | 96 | 76 | 54 | 69 | 45 | 63 |
| 480-200849-2 MS - RE | BCC Area C MW-C04 MS_0822 | 84 | 70 | 45 | 57 | 36 | 48 S1- |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | 85 | 69 | 46 | 58 | 37 | 52 S1- |
| 480-200849-2 MSD - RE | BCC Area C MW-C04 MSD_0822 | 69 | 62 | 45 | 54 | 35 | 44 S1- |

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-200849-1
Project/Site: Buffalo Color Area C Wells

## 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) |
| 480-200849-3 | BCC Area C PS-05A_0822 | 86 | 69 | 49 | 62 | 38 | 66 |
| 480-200849-3 - RE | BCC Area C PS-05A_0822 | 80 | 67 | 39 | 50 | 31 | 64 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | 81 | 72 | 50 | 63 | 40 | 62 |
| 480-200849-4 - RE | BCC Area C RFI-20A_0822 | 87 | 88 | 56 | 69 | 42 | 72 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | 82 | 72 | 48 | 61 | 38 | 53 S1- |
| 480-200849-5 - RE | BCC Area C RFI-31A_0822 | 93 | 66 | 42 | 51 | 31 | 59 S1- |

**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 480-638601/2-A | Lab Control Sample | 78 | 66 | 47 | 60 | 39 | 82 |
| LCS 480-639256/2-A | Lab Control Sample | 99 | 94 | 69 | 84 | 52 | 96 |
| MB 480-638601/1-A | Method Blank | 67 | 82 | 64 | 81 | 48 | 93 |
| MB 480-639256/1-A | Method Blank | 70 | 87 | 58 | 76 | 40 | 91 |

**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 480-638290/8**
**Matrix: Water**
**Analysis Batch: 638290**

**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 | | | 08/20/22 00:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 08/20/22 00:36 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 08/20/22 00:36 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 08/20/22 00:36 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 08/20/22 00:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 08/20/22 00:36 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 08/20/22 00:36 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 08/20/22 00:36 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 08/20/22 00:36 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 08/20/22 00:36 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 08/20/22 00:36 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 08/20/22 00:36 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 08/20/22 00:36 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 08/20/22 00:36 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 08/20/22 00:36 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 08/20/22 00:36 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 08/20/22 00:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 08/20/22 00:36 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 08/20/22 00:36 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 08/20/22 00:36 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 08/20/22 00:36 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 08/20/22 00:36 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 08/20/22 00:36 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/20/22 00:36 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 08/20/22 00:36 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 08/20/22 00:36 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 08/20/22 00:36 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 08/20/22 00:36 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 08/20/22 00:36 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 08/20/22 00:36 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 08/20/22 00:36 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 08/20/22 00:36 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 08/20/22 00:36 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 08/20/22 00:36 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 08/20/22 00:36 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 08/20/22 00:36 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 08/20/22 00:36 | 1 |

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

**Lab Sample ID: MB 480-638290/8**
**Matrix: Water**
**Analysis Batch: 638290**

**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 | | 08/20/22 00:36 | 1 |
| 4-Bromofluorobenzene (Surr) | 100 | | 73 - 120 | | 08/20/22 00:36 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | 08/20/22 00:36 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 75 - 123 | | 08/20/22 00:36 | 1 |

**Lab Sample ID: LCS 480-638290/6**
**Matrix: Water**
**Analysis Batch: 638290**

**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 | 23.2 | | ug/L | | 93 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.1 | | ug/L | | 96 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 21.3 | | ug/L | | 85 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 24.1 | | ug/L | | 96 | 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 | 24.0 | | ug/L | | 96 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.3 | | ug/L | | 97 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 24.7 | | ug/L | | 99 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 24.0 | | ug/L | | 96 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 22.6 | | ug/L | | 90 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 23.4 | | ug/L | | 94 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 23.2 | | ug/L | | 93 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 23.3 | | ug/L | | 93 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 122 | | ug/L | | 97 | 57 - 140 |
| 2-Hexanone | 125 | 125 | | ug/L | | 100 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 121 | | ug/L | | 97 | 71 - 125 |
| Acetone | 125 | 125 | | ug/L | | 100 | 56 - 142 |
| Benzene | 25.0 | 24.2 | | ug/L | | 97 | 71 - 124 |
| Bromodichloromethane | 25.0 | 23.5 | | ug/L | | 94 | 80 - 122 |
| Bromoform | 25.0 | 25.5 | | ug/L | | 102 | 61 - 132 |
| Bromomethane | 25.0 | 25.5 | | ug/L | | 102 | 55 - 144 |
| Carbon disulfide | 25.0 | 23.7 | | ug/L | | 95 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 23.7 | | ug/L | | 95 | 72 - 134 |
| Chlorobenzene | 25.0 | 24.0 | | ug/L | | 96 | 80 - 120 |
| Chloroethane | 25.0 | 23.6 | | ug/L | | 94 | 69 - 136 |
| Chloroform | 25.0 | 23.4 | | ug/L | | 94 | 73 - 127 |
| Chloromethane | 25.0 | 25.0 | | ug/L | | 100 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 24.6 | | ug/L | | 98 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 22.7 | | ug/L | | 91 | 74 - 124 |
| Cyclohexane | 25.0 | 21.5 | | ug/L | | 86 | 59 - 135 |
| Dibromochloromethane | 25.0 | 25.4 | | ug/L | | 101 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 28.2 | | ug/L | | 113 | 59 - 135 |
| Ethylbenzene | 25.0 | 23.3 | | ug/L | | 93 | 77 - 123 |
| Isopropylbenzene | 25.0 | 22.6 | | ug/L | | 91 | 77 - 122 |
| Methyl acetate | 50.0 | 48.4 | | ug/L | | 97 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 23.7 | | ug/L | | 95 | 77 - 120 |
| Methylcyclohexane | 25.0 | 23.7 | | ug/L | | 95 | 68 - 134 |

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

**Lab Sample ID: LCS 480-638290/6**
**Matrix: Water**
**Analysis Batch: 638290**

**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 | 25.8 | | ug/L | | 103 | 75 - 124 |
| Styrene | 25.0 | 24.1 | | ug/L | | 96 | 80 - 120 |
| Tetrachloroethene | 25.0 | 24.6 | | ug/L | | 98 | 74 - 122 |
| Toluene | 25.0 | 24.2 | | ug/L | | 97 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 24.4 | | ug/L | | 98 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 22.7 | | ug/L | | 91 | 80 - 120 |
| Trichloroethene | 25.0 | 23.7 | | ug/L | | 95 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 28.2 | | ug/L | | 113 | 62 - 150 |
| Vinyl chloride | 25.0 | 23.9 | | ug/L | | 96 | 65 - 133 |
| Xylenes, Total | 50.0 | 47.9 | | ug/L | | 96 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* |

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 638290**

**Client Sample ID: BCC Area C MW-C04 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 | | 125 | 119 | | ug/L | | 95 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | ND | | 125 | 119 | | ug/L | | 95 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 125 | 108 | | ug/L | | 86 | 61 - 148 |
| 1,1,2-Trichloroethane | ND | | 125 | 122 | | ug/L | | 98 | 76 - 122 |
| 1,1-Dichloroethane | ND | | 125 | 122 | | ug/L | | 97 | 77 - 120 |
| 1,1-Dichloroethene | ND | | 125 | 133 | | ug/L | | 107 | 66 - 127 |
| 1,2,4-Trichlorobenzene | ND | | 125 | 120 | | ug/L | | 96 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | ND | | 125 | 120 | | ug/L | | 96 | 56 - 134 |
| 1,2-Dibromoethane | ND | | 125 | 123 | | ug/L | | 99 | 77 - 120 |
| 1,2-Dichlorobenzene | ND | | 125 | 121 | | ug/L | | 97 | 80 - 124 |
| 1,2-Dichloroethane | ND | | 125 | 116 | | ug/L | | 93 | 75 - 120 |
| 1,2-Dichloropropane | ND | | 125 | 119 | | ug/L | | 95 | 76 - 120 |
| 1,3-Dichlorobenzene | 15 | | 125 | 130 | | ug/L | | 91 | 77 - 120 |
| 1,4-Dichlorobenzene | 32 | | 125 | 145 | | ug/L | | 91 | 78 - 124 |
| 2-Butanone (MEK) | ND | | 625 | 600 | | ug/L | | 96 | 57 - 140 |
| 2-Hexanone | ND | | 625 | 623 | | ug/L | | 100 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 625 | 614 | | ug/L | | 98 | 71 - 125 |
| Acetone | ND | | 625 | 596 | | ug/L | | 95 | 56 - 142 |
| Benzene | ND | | 125 | 124 | | ug/L | | 99 | 71 - 124 |
| Bromodichloromethane | ND | | 125 | 121 | | ug/L | | 96 | 80 - 122 |
| Bromoform | ND | | 125 | 128 | | ug/L | | 102 | 61 - 132 |
| Bromomethane | ND | | 125 | 136 | | ug/L | | 109 | 55 - 144 |
| Carbon disulfide | ND | | 125 | 121 | | ug/L | | 97 | 59 - 134 |
| Carbon tetrachloride | ND | | 125 | 123 | | ug/L | | 98 | 72 - 134 |
| Chlorobenzene | 310 | F1 | 125 | 408 | F1 | ug/L | | 77 | 80 - 120 |
| Chloroethane | ND | | 125 | 126 | | ug/L | | 101 | 69 - 136 |

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

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 638290**

**Client Sample ID: BCC Area C MW-C04 MS_0822**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | | 125 | 121 | | ug/L | | 97 | 73 - 127 |
| Chloromethane | ND | | 125 | 134 | | ug/L | | 107 | 68 - 124 |
| cis-1,2-Dichloroethene | ND | | 125 | 128 | | ug/L | | 102 | 74 - 124 |
| cis-1,3-Dichloropropene | ND | | 125 | 111 | | ug/L | | 89 | 74 - 124 |
| Cyclohexane | ND | | 125 | 109 | | ug/L | | 87 | 59 - 135 |
| Dibromochloromethane | ND | | 125 | 126 | | ug/L | | 101 | 75 - 125 |
| Dichlorodifluoromethane | ND | | 125 | 148 | | ug/L | | 119 | 59 - 135 |
| Ethylbenzene | ND | | 125 | 119 | | ug/L | | 95 | 77 - 123 |
| Isopropylbenzene | ND | | 125 | 115 | | ug/L | | 92 | 77 - 122 |
| Methyl acetate | ND | | 250 | 236 | | ug/L | | 94 | 74 - 133 |
| Methyl tert-butyl ether | ND | | 125 | 119 | | ug/L | | 96 | 77 - 120 |
| Methylcyclohexane | ND | | 125 | 121 | | ug/L | | 97 | 68 - 134 |
| Methylene Chloride | ND | | 125 | 131 | | ug/L | | 105 | 75 - 124 |
| Styrene | ND | | 125 | 123 | | ug/L | | 98 | 80 - 120 |
| Tetrachloroethene | ND | | 125 | 126 | | ug/L | | 101 | 74 - 122 |
| Toluene | ND | | 125 | 124 | | ug/L | | 99 | 80 - 122 |
| trans-1,2-Dichloroethene | ND | | 125 | 127 | | ug/L | | 101 | 73 - 127 |
| trans-1,3-Dichloropropene | ND | | 125 | 111 | | ug/L | | 89 | 80 - 120 |
| Trichloroethene | ND | | 125 | 122 | | ug/L | | 98 | 74 - 123 |
| Trichlorofluoromethane | ND | | 125 | 151 | | ug/L | | 121 | 62 - 150 |
| Vinyl chloride | ND | | 125 | 129 | | ug/L | | 103 | 65 - 133 |
| Xylenes, Total | ND | | 250 | 243 | | ug/L | | 97 | 76 - 122 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *103* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *105* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *107* | | *75 - 123* |

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638290**

**Client Sample ID: BCC Area C MW-C04 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 | | 125 | 120 | | ug/L | | 96 | 73 - 126 | 1 | 15 |
| 1,1,2,2-Tetrachloroethane | ND | | 125 | 120 | | ug/L | | 96 | 76 - 120 | 2 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | ND | | 125 | 100 | | ug/L | | 80 | 61 - 148 | 7 | 20 |
| 1,1,2-Trichloroethane | ND | | 125 | 122 | | ug/L | | 97 | 76 - 122 | 0 | 15 |
| 1,1-Dichloroethane | ND | | 125 | 121 | | ug/L | | 97 | 77 - 120 | 1 | 20 |
| 1,1-Dichloroethene | ND | | 125 | 135 | | ug/L | | 108 | 66 - 127 | 1 | 16 |
| 1,2,4-Trichlorobenzene | ND | | 125 | 119 | | ug/L | | 96 | 79 - 122 | 1 | 20 |
| 1,2-Dibromo-3-Chloropropane | ND | | 125 | 121 | | ug/L | | 97 | 56 - 134 | 1 | 15 |
| 1,2-Dibromoethane | ND | | 125 | 124 | | ug/L | | 99 | 77 - 120 | 0 | 15 |
| 1,2-Dichlorobenzene | ND | | 125 | 121 | | ug/L | | 97 | 80 - 124 | 0 | 20 |
| 1,2-Dichloroethane | ND | | 125 | 112 | | ug/L | | 90 | 75 - 120 | 3 | 20 |
| 1,2-Dichloropropane | ND | | 125 | 120 | | ug/L | | 96 | 76 - 120 | 0 | 20 |
| 1,3-Dichlorobenzene | 15 | | 125 | 131 | | ug/L | | 93 | 77 - 120 | 1 | 20 |
| 1,4-Dichlorobenzene | 32 | | 125 | 146 | | ug/L | | 92 | 78 - 124 | 1 | 20 |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638290**

**Client Sample ID: BCC Area C MW-C04 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-Butanone (MEK) | ND | | 625 | 602 | | ug/L | | 96 | 57 - 140 | 0 | 20 |
| 2-Hexanone | ND | | 625 | 624 | | ug/L | | 100 | 65 - 127 | 0 | 15 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 625 | 613 | | ug/L | | 98 | 71 - 125 | 0 | 35 |
| Acetone | ND | | 625 | 603 | | ug/L | | 96 | 56 - 142 | 1 | 15 |
| Benzene | ND | | 125 | 125 | | ug/L | | 100 | 71 - 124 | 1 | 13 |
| Bromodichloromethane | ND | | 125 | 120 | | ug/L | | 96 | 80 - 122 | 0 | 15 |
| Bromoform | ND | | 125 | 129 | | ug/L | | 103 | 61 - 132 | 1 | 15 |
| Bromomethane | ND | | 125 | 133 | | ug/L | | 107 | 55 - 144 | 2 | 15 |
| Carbon disulfide | ND | | 125 | 123 | | ug/L | | 98 | 59 - 134 | 1 | 15 |
| Carbon tetrachloride | ND | | 125 | 124 | | ug/L | | 99 | 72 - 134 | 1 | 15 |
| Chlorobenzene | 310 | F1 | 125 | 413 | | ug/L | | 81 | 80 - 120 | 1 | 25 |
| Chloroethane | ND | | 125 | 126 | | ug/L | | 101 | 69 - 136 | 1 | 15 |
| Chloroform | ND | | 125 | 120 | | ug/L | | 96 | 73 - 127 | 1 | 20 |
| Chloromethane | ND | | 125 | 132 | | ug/L | | 106 | 68 - 124 | 2 | 15 |
| cis-1,2-Dichloroethene | ND | | 125 | 126 | | ug/L | | 101 | 74 - 124 | 1 | 15 |
| cis-1,3-Dichloropropene | ND | | 125 | 111 | | ug/L | | 89 | 74 - 124 | 0 | 15 |
| Cyclohexane | ND | | 125 | 109 | | ug/L | | 88 | 59 - 135 | 0 | 20 |
| Dibromochloromethane | ND | | 125 | 127 | | ug/L | | 102 | 75 - 125 | 1 | 15 |
| Dichlorodifluoromethane | ND | | 125 | 150 | | ug/L | | 120 | 59 - 135 | 1 | 20 |
| Ethylbenzene | ND | | 125 | 121 | | ug/L | | 97 | 77 - 123 | 2 | 15 |
| Isopropylbenzene | ND | | 125 | 116 | | ug/L | | 93 | 77 - 122 | 1 | 20 |
| Methyl acetate | ND | | 250 | 241 | | ug/L | | 97 | 74 - 133 | 2 | 20 |
| Methyl tert-butyl ether | ND | | 125 | 119 | | ug/L | | 95 | 77 - 120 | 0 | 37 |
| Methylcyclohexane | ND | | 125 | 121 | | ug/L | | 97 | 68 - 134 | 0 | 20 |
| Methylene Chloride | ND | | 125 | 131 | | ug/L | | 105 | 75 - 124 | 0 | 15 |
| Styrene | ND | | 125 | 124 | | ug/L | | 99 | 80 - 120 | 1 | 20 |
| Tetrachloroethene | ND | | 125 | 128 | | ug/L | | 102 | 74 - 122 | 1 | 20 |
| Toluene | ND | | 125 | 124 | | ug/L | | 99 | 80 - 122 | 0 | 15 |
| trans-1,2-Dichloroethene | ND | | 125 | 128 | | ug/L | | 102 | 73 - 127 | 1 | 20 |
| trans-1,3-Dichloropropene | ND | | 125 | 112 | | ug/L | | 89 | 80 - 120 | 0 | 15 |
| Trichloroethene | ND | | 125 | 122 | | ug/L | | 98 | 74 - 123 | 0 | 16 |
| Trichlorofluoromethane | ND | | 125 | 151 | | ug/L | | 121 | 62 - 150 | 0 | 20 |
| Vinyl chloride | ND | | 125 | 129 | | ug/L | | 103 | 65 - 133 | 0 | 15 |
| Xylenes, Total | ND | | 250 | 245 | | ug/L | | 98 | 76 - 122 | 1 | 16 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 123* |

**Lab Sample ID: MB 480-638441/7**
**Matrix: Water**
**Analysis Batch: 638441**

**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 | | | 08/22/22 12:15 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/22/22 12:15 | 1 |

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

**Lab Sample ID: MB 480-638441/7**
**Matrix: Water**
**Analysis Batch: 638441**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 08/22/22 12:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 08/22/22 12:15 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 08/22/22 12:15 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 08/22/22 12:15 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 08/22/22 12:15 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 08/22/22 12:15 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 08/22/22 12:15 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 08/22/22 12:15 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 08/22/22 12:15 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 08/22/22 12:15 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 08/22/22 12:15 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 08/22/22 12:15 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 08/22/22 12:15 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 08/22/22 12:15 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 08/22/22 12:15 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 08/22/22 12:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 08/22/22 12:15 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 08/22/22 12:15 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 08/22/22 12:15 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 08/22/22 12:15 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 08/22/22 12:15 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 08/22/22 12:15 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/22/22 12:15 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 08/22/22 12:15 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 08/22/22 12:15 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 08/22/22 12:15 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 08/22/22 12:15 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 08/22/22 12:15 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 08/22/22 12:15 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 08/22/22 12:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 08/22/22 12:15 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 08/22/22 12:15 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 08/22/22 12:15 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 08/22/22 12:15 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 08/22/22 12:15 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 08/22/22 12:15 | 1 |

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

**Lab Sample ID: MB 480-638441/7**
**Matrix: Water**
**Analysis Batch: 638441**

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

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 77 - 120 | | 08/22/22 12:15 | 1 |
| 4-Bromofluorobenzene (Surr) | 101 | | 73 - 120 | | 08/22/22 12:15 | 1 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | 08/22/22 12:15 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 75 - 123 | | 08/22/22 12:15 | 1 |

**Lab Sample ID: LCS 480-638441/5**
**Matrix: Water**
**Analysis Batch: 638441**

**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 | 23.7 | | ug/L | | 95 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.9 | | ug/L | | 99 | 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 | 25.6 | | ug/L | | 102 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 24.1 | | ug/L | | 96 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 28.4 | | ug/L | | 113 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 24.5 | | ug/L | | 98 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.9 | | ug/L | | 100 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 26.2 | | ug/L | | 105 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 24.8 | | ug/L | | 99 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 22.7 | | ug/L | | 91 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 24.6 | | ug/L | | 98 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 24.5 | | ug/L | | 98 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 24.3 | | ug/L | | 97 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 138 | | ug/L | | 110 | 57 - 140 |
| 2-Hexanone | 125 | 133 | | ug/L | | 107 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 125 | | ug/L | | 100 | 71 - 125 |
| Acetone | 125 | 166 | | ug/L | | 133 | 56 - 142 |
| Benzene | 25.0 | 25.0 | | ug/L | | 100 | 71 - 124 |
| Bromodichloromethane | 25.0 | 24.5 | | ug/L | | 98 | 80 - 122 |
| Bromoform | 25.0 | 27.7 | | ug/L | | 111 | 61 - 132 |
| Bromomethane | 25.0 | 24.7 | | ug/L | | 99 | 55 - 144 |
| Carbon disulfide | 25.0 | 25.7 | | ug/L | | 103 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 24.1 | | ug/L | | 96 | 72 - 134 |
| Chlorobenzene | 25.0 | 25.4 | | ug/L | | 102 | 80 - 120 |
| Chloroethane | 25.0 | 23.7 | | ug/L | | 95 | 69 - 136 |
| Chloroform | 25.0 | 23.7 | | ug/L | | 95 | 73 - 127 |
| Chloromethane | 25.0 | 26.7 | | ug/L | | 107 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 25.5 | | ug/L | | 102 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 24.7 | | ug/L | | 99 | 74 - 124 |
| Cyclohexane | 25.0 | 22.4 | | ug/L | | 89 | 59 - 135 |
| Dibromochloromethane | 25.0 | 26.9 | | ug/L | | 107 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 31.8 | | ug/L | | 127 | 59 - 135 |
| Ethylbenzene | 25.0 | 24.9 | | ug/L | | 100 | 77 - 123 |
| Isopropylbenzene | 25.0 | 24.2 | | ug/L | | 97 | 77 - 122 |
| Methyl acetate | 50.0 | 53.5 | | ug/L | | 107 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 24.0 | | ug/L | | 96 | 77 - 120 |
| Methylcyclohexane | 25.0 | 25.0 | | ug/L | | 100 | 68 - 134 |

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

**Lab Sample ID: LCS 480-638441/5**
**Matrix: Water**
**Analysis Batch: 638441**

**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 | 26.3 | | ug/L | | 105 | 75 - 124 |
| Styrene | 25.0 | 25.8 | | ug/L | | 103 | 80 - 120 |
| Tetrachloroethene | 25.0 | 26.6 | | ug/L | | 106 | 74 - 122 |
| Toluene | 25.0 | 25.7 | | ug/L | | 103 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 25.3 | | ug/L | | 101 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 25.2 | | ug/L | | 101 | 80 - 120 |
| Trichloroethene | 25.0 | 24.7 | | ug/L | | 99 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 28.3 | | ug/L | | 113 | 62 - 150 |
| Vinyl chloride | 25.0 | 25.1 | | ug/L | | 100 | 65 - 133 |
| Xylenes, Total | 50.0 | 50.7 | | ug/L | | 101 | 76 - 122 |

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

**Lab Sample ID: MB 480-638813/9**
**Matrix: Water**
**Analysis Batch: 638813**

**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 | | | 08/24/22 14:54 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 08/24/22 14:54 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 08/24/22 14:54 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 08/24/22 14:54 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 08/24/22 14:54 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 08/24/22 14:54 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 08/24/22 14:54 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 08/24/22 14:54 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 08/24/22 14:54 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 08/24/22 14:54 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 08/24/22 14:54 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 08/24/22 14:54 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 08/24/22 14:54 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 08/24/22 14:54 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 08/24/22 14:54 | 1 |

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

**Lab Sample ID: MB 480-638813/9**
**Matrix: Water**
**Analysis Batch: 638813**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 08/24/22 14:54 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 08/24/22 14:54 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 08/24/22 14:54 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 08/24/22 14:54 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 08/24/22 14:54 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 08/24/22 14:54 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 08/24/22 14:54 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 08/24/22 14:54 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 08/24/22 14:54 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 08/24/22 14:54 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 08/24/22 14:54 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 08/24/22 14:54 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 08/24/22 14:54 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 08/24/22 14:54 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 08/24/22 14:54 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 08/24/22 14:54 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 08/24/22 14:54 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 08/24/22 14:54 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 08/24/22 14:54 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 08/24/22 14:54 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 08/24/22 14:54 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 08/24/22 14:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *77 - 120* | | *08/24/22 14:54* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *73 - 120* | | *08/24/22 14:54* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *08/24/22 14:54* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 123* | | *08/24/22 14:54* | *1* |

**Lab Sample ID: LCS 480-638813/6**
**Matrix: Water**
**Analysis Batch: 638813**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 25.0 | 23.6 | | ug/L | | 95 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 21.9 | | ug/L | | 88 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 25.0 | 21.3 | | ug/L | | 85 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 23.3 | | ug/L | | 93 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 22.3 | | ug/L | | 89 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 22.1 | | ug/L | | 88 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 23.8 | | ug/L | | 95 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 23.0 | | ug/L | | 92 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 24.1 | | ug/L | | 97 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 23.8 | | ug/L | | 95 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 21.4 | | ug/L | | 86 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 23.2 | | ug/L | | 93 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 23.8 | | ug/L | | 95 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 23.0 | | ug/L | | 92 | 80 - 120 |

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

**Lab Sample ID: LCS 480-638813/6**
**Matrix: Water**
**Analysis Batch: 638813**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | 125 | 115 | | ug/L | | 92 | 57 - 140 |
| 2-Hexanone | 125 | 117 | | ug/L | | 94 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 109 | | ug/L | | 87 | 71 - 125 |
| Acetone | 125 | 127 | | ug/L | | 102 | 56 - 142 |
| Benzene | 25.0 | 22.6 | | ug/L | | 90 | 71 - 124 |
| Bromodichloromethane | 25.0 | 23.9 | | ug/L | | 96 | 80 - 122 |
| Bromoform | 25.0 | 26.9 | | ug/L | | 108 | 61 - 132 |
| Bromomethane | 25.0 | 19.5 | | ug/L | | 78 | 55 - 144 |
| Carbon disulfide | 25.0 | 24.0 | | ug/L | | 96 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 23.2 | | ug/L | | 93 | 72 - 134 |
| Chlorobenzene | 25.0 | 23.0 | | ug/L | | 92 | 80 - 120 |
| Chloroethane | 25.0 | 21.2 | | ug/L | | 85 | 69 - 136 |
| Chloroform | 25.0 | 21.9 | | ug/L | | 88 | 73 - 127 |
| Chloromethane | 25.0 | 18.2 | | ug/L | | 73 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 22.4 | | ug/L | | 90 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 24.7 | | ug/L | | 99 | 74 - 124 |
| Cyclohexane | 25.0 | 23.0 | | ug/L | | 92 | 59 - 135 |
| Dibromochloromethane | 25.0 | 27.4 | | ug/L | | 110 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 17.5 | | ug/L | | 70 | 59 - 135 |
| Ethylbenzene | 25.0 | 24.0 | | ug/L | | 96 | 77 - 123 |
| Isopropylbenzene | 25.0 | 23.9 | | ug/L | | 96 | 77 - 122 |
| Methyl acetate | 50.0 | 40.7 | | ug/L | | 81 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 23.2 | | ug/L | | 93 | 77 - 120 |
| Methylcyclohexane | 25.0 | 23.8 | | ug/L | | 95 | 68 - 134 |
| Methylene Chloride | 25.0 | 24.5 | | ug/L | | 98 | 75 - 124 |
| Styrene | 25.0 | 25.6 | | ug/L | | 102 | 80 - 120 |
| Tetrachloroethene | 25.0 | 24.5 | | ug/L | | 98 | 74 - 122 |
| Toluene | 25.0 | 23.6 | | ug/L | | 94 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 22.2 | | ug/L | | 89 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 25.9 | | ug/L | | 104 | 80 - 120 |
| Trichloroethene | 25.0 | 22.8 | | ug/L | | 91 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 19.9 | | ug/L | | 79 | 62 - 150 |
| Vinyl chloride | 25.0 | 18.4 | | ug/L | | 74 | 65 - 133 |
| Xylenes, Total | 50.0 | 49.8 | | ug/L | | 100 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 123* |

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

**Lab Sample ID: MB 480-638601/1-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.0 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |

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

**Lab Sample ID: MB 480-638601/1-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |

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

**Lab Sample ID: MB 480-638601/1-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 08/23/22 08:19 | 08/25/22 01:11 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *67* | | *41 - 120* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |
| *2-Fluorobiphenyl* | *82* | | *48 - 120* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |
| *2-Fluorophenol* | *64* | | *35 - 120* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |
| *Nitrobenzene-d5* | *81* | | *46 - 120* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |
| *Phenol-d5* | *48* | | *22 - 120* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |
| *p-Terphenyl-d14* | *93* | | *60 - 148* | *08/23/22 08:19* | *08/25/22 01:11* | *1* |

**Lab Sample ID: LCS 480-638601/2-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 32.0 | 23.3 | | ug/L | | 73 | 65 - 126 |
| 2,4,6-Trichlorophenol | 32.0 | 23.1 | | ug/L | | 72 | 64 - 120 |
| 2,4-Dichlorophenol | 32.0 | 21.8 | | ug/L | | 68 | 63 - 120 |
| 2,4-Dimethylphenol | 32.0 | 20.9 | | ug/L | | 65 | 47 - 120 |
| 2,4-Dinitrophenol | 64.0 | 47.9 | | ug/L | | 75 | 31 - 137 |
| 2,4-Dinitrotoluene | 32.0 | 25.5 | | ug/L | | 80 | 69 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 24.9 | | ug/L | | 78 | 68 - 120 |
| 2-Chloronaphthalene | 32.0 | 19.5 | | ug/L | | 61 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 18.8 | | ug/L | | 59 | 48 - 120 |
| 2-Methylnaphthalene | 32.0 | 17.3 | *- | ug/L | | 54 | 59 - 120 |
| 2-Methylphenol | 32.0 | 19.3 | | ug/L | | 60 | 39 - 120 |
| 2-Nitroaniline | 32.0 | 24.0 | | ug/L | | 75 | 54 - 127 |
| 2-Nitrophenol | 32.0 | 20.3 | | ug/L | | 64 | 52 - 125 |
| 3,3'-Dichlorobenzidine | 64.0 | 50.3 | | ug/L | | 79 | 49 - 135 |
| 3-Nitroaniline | 32.0 | 23.6 | | ug/L | | 74 | 51 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 53.1 | | ug/L | | 83 | 46 - 136 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.5 | | ug/L | | 77 | 65 - 120 |
| 4-Chloro-3-methylphenol | 32.0 | 23.3 | | ug/L | | 73 | 61 - 123 |

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

**Lab Sample ID: LCS 480-638601/2-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | 32.0 | 20.6 | | ug/L | | 64 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 21.8 | | ug/L | | 68 | 62 - 120 |
| 4-Methylphenol | 32.0 | 19.6 | | ug/L | | 61 | 29 - 131 |
| 4-Nitroaniline | 32.0 | 25.7 | | ug/L | | 80 | 65 - 120 |
| 4-Nitrophenol | 64.0 | 41.5 | | ug/L | | 65 | 45 - 120 |
| Acenaphthene | 32.0 | 21.4 | | ug/L | | 67 | 60 - 120 |
| Acenaphthylene | 32.0 | 22.0 | | ug/L | | 69 | 63 - 120 |
| Acetophenone | 32.0 | 19.8 | | ug/L | | 62 | 45 - 120 |
| Aniline | 32.0 | 17.4 | | ug/L | | 55 | 12 - 120 |
| Anthracene | 32.0 | 26.0 | | ug/L | | 81 | 67 - 120 |
| Atrazine | 64.0 | 53.8 | | ug/L | | 84 | 71 - 130 |
| Benzaldehyde | 64.0 | 37.6 | | ug/L | | 59 | 10 - 140 |
| Benzo(a)anthracene | 32.0 | 25.1 | | ug/L | | 78 | 70 - 121 |
| Benzo(a)pyrene | 32.0 | 26.7 | | ug/L | | 83 | 60 - 123 |
| Benzo(b)fluoranthene | 32.0 | 26.7 | | ug/L | | 83 | 66 - 126 |
| Benzo(g,h,i)perylene | 32.0 | 26.5 | | ug/L | | 83 | 66 - 150 |
| Benzo(k)fluoranthene | 32.0 | 27.0 | | ug/L | | 84 | 65 - 124 |
| Biphenyl | 32.0 | 20.2 | | ug/L | | 63 | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0 | 18.5 | | ug/L | | 58 | 21 - 136 |
| Bis(2-chloroethoxy)methane | 32.0 | 20.2 | | ug/L | | 63 | 50 - 128 |
| Bis(2-chloroethyl)ether | 32.0 | 18.3 | | ug/L | | 57 | 44 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 26.2 | | ug/L | | 82 | 63 - 139 |
| Butyl benzyl phthalate | 32.0 | 26.2 | | ug/L | | 82 | 70 - 129 |
| Caprolactam | 64.0 | 18.6 | | ug/L | | 29 | 22 - 120 |
| Carbazole | 32.0 | 28.7 | | ug/L | | 90 | 66 - 123 |
| Chrysene | 32.0 | 25.3 | | ug/L | | 79 | 69 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 26.9 | | ug/L | | 84 | 65 - 135 |
| Dibenzofuran | 32.0 | 22.3 | | ug/L | | 70 | 66 - 120 |
| Diethyl phthalate | 32.0 | 25.5 | | ug/L | | 80 | 59 - 127 |
| Dimethyl phthalate | 32.0 | 24.9 | | ug/L | | 78 | 68 - 120 |
| Di-n-butyl phthalate | 32.0 | 27.9 | | ug/L | | 87 | 69 - 131 |
| Di-n-octyl phthalate | 32.0 | 26.3 | | ug/L | | 82 | 63 - 140 |
| Fluoranthene | 32.0 | 27.0 | | ug/L | | 84 | 69 - 126 |
| Fluorene | 32.0 | 23.5 | | ug/L | | 73 | 66 - 120 |
| Hexachlorobenzene | 32.0 | 24.1 | | ug/L | | 75 | 61 - 120 |
| Hexachlorobutadiene | 32.0 | 12.2 | | ug/L | | 38 | 35 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 10.0 | | ug/L | | 31 | 31 - 120 |
| Hexachloroethane | 32.0 | 11.5 | *- | ug/L | | 36 | 43 - 120 |
| Indeno(1,2,3-cd)pyrene | 32.0 | 26.7 | | ug/L | | 83 | 69 - 146 |
| Isophorone | 32.0 | 21.3 | | ug/L | | 67 | 55 - 120 |
| Naphthalene | 32.0 | 17.9 | *- | ug/L | | 56 | 57 - 120 |
| Nitrobenzene | 32.0 | 19.0 | | ug/L | | 59 | 53 - 123 |
| N-Nitrosodi-n-propylamine | 32.0 | 20.9 | | ug/L | | 65 | 32 - 140 |
| N-Nitrosodiphenylamine | 32.0 | 25.2 | | ug/L | | 79 | 61 - 120 |
| Pentachlorophenol | 64.0 | 45.7 | | ug/L | | 71 | 29 - 136 |
| Phenanthrene | 32.0 | 25.3 | | ug/L | | 79 | 68 - 120 |
| Phenol | 32.0 | 12.9 | | ug/L | | 40 | 17 - 120 |
| Pyrene | 32.0 | 26.7 | | ug/L | | 83 | 70 - 125 |

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

**Lab Sample ID: LCS 480-638601/2-A**
**Matrix: Water**
**Analysis Batch: 638817**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *78* | | *41 - 120* |
| *2-Fluorobiphenyl* | *66* | | *48 - 120* |
| *2-Fluorophenol* | *47* | | *35 - 120* |
| *Nitrobenzene-d5* | *60* | | *46 - 120* |
| *Phenol-d5* | *39* | | *22 - 120* |
| *p-Terphenyl-d14* | *82* | | *60 - 148* |

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 638821**

**Client Sample ID: BCC Area C MW-C04 MS_0822**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 32.0 | 28.8 | | ug/L | | 90 | 65 - 126 |
| 2,4,6-Trichlorophenol | ND | | 32.0 | 27.6 | | ug/L | | 86 | 64 - 120 |
| 2,4-Dichlorophenol | 2.9 | J | 32.0 | 27.9 | | ug/L | | 78 | 48 - 132 |
| 2,4-Dimethylphenol | ND | | 32.0 | 24.2 | | ug/L | | 76 | 39 - 130 |
| 2,4-Dinitrophenol | ND | | 64.0 | 59.2 | | ug/L | | 92 | 21 - 150 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 28.9 | | ug/L | | 90 | 54 - 138 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 27.7 | | ug/L | | 87 | 17 - 150 |
| 2-Chloronaphthalene | ND | | 32.0 | 21.9 | | ug/L | | 68 | 52 - 124 |
| 2-Chlorophenol | ND | | 32.0 | 21.8 | | ug/L | | 68 | 48 - 120 |
| 2-Methylnaphthalene | ND | *- | 32.0 | 20.1 | | ug/L | | 63 | 34 - 140 |
| 2-Methylphenol | ND | | 32.0 | 22.2 | | ug/L | | 69 | 46 - 120 |
| 2-Nitroaniline | ND | | 32.0 | 27.0 | | ug/L | | 84 | 44 - 136 |
| 2-Nitrophenol | ND | | 32.0 | 24.1 | | ug/L | | 75 | 38 - 141 |
| 3,3'-Dichlorobenzidine | ND | | 64.0 | 12.6 | | ug/L | | 20 | 10 - 150 |
| 3-Nitroaniline | ND | | 32.0 | 19.0 | | ug/L | | 59 | 32 - 150 |
| 4,6-Dinitro-2-methylphenol | ND | | 64.0 | 61.1 | | ug/L | | 95 | 38 - 150 |
| 4-Bromophenyl phenyl ether | ND | | 32.0 | 27.5 | | ug/L | | 86 | 63 - 126 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 27.3 | | ug/L | | 85 | 64 - 127 |
| 4-Chloroaniline | ND | | 32.0 | 16.4 | | ug/L | | 51 | 16 - 124 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 25.4 | | ug/L | | 79 | 61 - 120 |
| 4-Methylphenol | ND | | 32.0 | 22.6 | | ug/L | | 71 | 36 - 120 |
| 4-Nitroaniline | ND | | 32.0 | 26.9 | | ug/L | | 84 | 32 - 150 |
| 4-Nitrophenol | ND | | 64.0 | 48.6 | | ug/L | | 76 | 23 - 132 |
| Acenaphthene | ND | | 32.0 | 24.5 | | ug/L | | 76 | 48 - 120 |
| Acenaphthylene | ND | | 32.0 | 24.8 | | ug/L | | 78 | 63 - 120 |
| Acetophenone | ND | | 32.0 | 23.1 | | ug/L | | 72 | 53 - 120 |
| Aniline | 0.85 | J | 32.0 | 18.0 | | ug/L | | 54 | 32 - 120 |
| Anthracene | ND | | 32.0 | 28.4 | | ug/L | | 89 | 65 - 122 |
| Atrazine | ND | | 64.0 | 55.2 | | ug/L | | 86 | 50 - 150 |
| Benzaldehyde | ND | | 64.0 | 42.3 | | ug/L | | 66 | 10 - 150 |
| Benzo(a)anthracene | ND | | 32.0 | 26.6 | | ug/L | | 83 | 43 - 124 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 26.9 | | ug/L | | 84 | 23 - 125 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 26.4 | | ug/L | | 83 | 27 - 127 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 26.3 | | ug/L | | 82 | 16 - 147 |
| Benzo(k)fluoranthene | ND | | 32.0 | 25.9 | | ug/L | | 81 | 20 - 124 |
| Biphenyl | ND | | 32.0 | 23.0 | | ug/L | | 72 | 57 - 120 |

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

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 638821**

**Client Sample ID: BCC Area C MW-C04 MS_0822**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 21.3 | | ug/L | | 67 | 28 - 121 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 22.7 | | ug/L | | 71 | 44 - 128 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 23.6 | | ug/L | | 74 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 27.1 | | ug/L | | 85 | 16 - 150 |
| Butyl benzyl phthalate | ND | | 32.0 | 28.2 | | ug/L | | 88 | 51 - 140 |
| Caprolactam | ND | | 64.0 | 22.7 | | ug/L | | 36 | 10 - 120 |
| Carbazole | ND | | 32.0 | 31.4 | | ug/L | | 98 | 16 - 148 |
| Chrysene | ND | | 32.0 | 26.4 | | ug/L | | 83 | 44 - 122 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 26.5 | | ug/L | | 83 | 16 - 139 |
| Dibenzofuran | ND | | 32.0 | 25.3 | | ug/L | | 79 | 60 - 120 |
| Diethyl phthalate | ND | | 32.0 | 28.5 | | ug/L | | 89 | 53 - 133 |
| Dimethyl phthalate | ND | | 32.0 | 28.2 | | ug/L | | 88 | 59 - 123 |
| Di-n-butyl phthalate | ND | | 32.0 | 29.3 | | ug/L | | 91 | 65 - 129 |
| Di-n-octyl phthalate | ND | | 32.0 | 26.9 | | ug/L | | 84 | 16 - 150 |
| Fluoranthene | ND | | 32.0 | 28.9 | | ug/L | | 90 | 63 - 129 |
| Fluorene | ND | | 32.0 | 26.7 | | ug/L | | 84 | 62 - 120 |
| Hexachlorobenzene | ND | | 32.0 | 26.4 | | ug/L | | 83 | 57 - 121 |
| Hexachlorobutadiene | ND | | 32.0 | 15.3 | | ug/L | | 48 | 37 - 120 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 12.5 | | ug/L | | 39 | 21 - 120 |
| Hexachloroethane | ND | *- | 32.0 | 15.3 | | ug/L | | 48 | 16 - 130 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 26.3 | | ug/L | | 82 | 16 - 140 |
| Isophorone | ND | | 32.0 | 24.5 | | ug/L | | 76 | 48 - 133 |
| Naphthalene | ND | *- | 32.0 | 20.9 | | ug/L | | 65 | 45 - 120 |
| Nitrobenzene | 0.33 | J | 32.0 | 22.4 | | ug/L | | 69 | 45 - 123 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 23.9 | | ug/L | | 75 | 49 - 120 |
| N-Nitrosodiphenylamine | ND | | 32.0 | 28.3 | | ug/L | | 88 | 39 - 138 |
| Pentachlorophenol | ND | | 64.0 | 69.6 | | ug/L | | 109 | 23 - 149 |
| Phenanthrene | ND | | 32.0 | 27.8 | | ug/L | | 87 | 65 - 122 |
| Phenol | ND | | 32.0 | 14.8 | | ug/L | | 46 | 16 - 120 |
| Pyrene | ND | | 32.0 | 28.8 | | ug/L | | 90 | 58 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *96* | | *41 - 120* |
| *2-Fluorobiphenyl* | *76* | | *48 - 120* |
| *2-Fluorophenol* | *54* | | *35 - 120* |
| *Nitrobenzene-d5* | *69* | | *46 - 120* |
| *Phenol-d5* | *45* | | *22 - 120* |
| *p-Terphenyl-d14* | *63* | | *60 - 148* |

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638821**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| 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 | 26.5 | | ug/L | | 83 | 65 - 126 | 8 | 18 |
| 2,4,6-Trichlorophenol | ND | | 32.0 | 24.7 | | ug/L | | 77 | 64 - 120 | 11 | 19 |
| 2,4-Dichlorophenol | 2.9 | J | 32.0 | 24.9 | | ug/L | | 69 | 48 - 132 | 12 | 19 |
| 2,4-Dimethylphenol | ND | | 32.0 | 21.4 | | ug/L | | 67 | 39 - 130 | 12 | 42 |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638821**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| 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 | 54.2 | | ug/L | | 85 | 21 - 150 | 9 | 22 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 26.1 | | ug/L | | 82 | 54 - 138 | 10 | 20 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 25.0 | | ug/L | | 78 | 17 - 150 | 10 | 15 |
| 2-Chloronaphthalene | ND | | 32.0 | 20.8 | | ug/L | | 65 | 52 - 124 | 5 | 21 |
| 2-Chlorophenol | ND | | 32.0 | 18.1 | | ug/L | | 57 | 48 - 120 | 18 | 25 |
| 2-Methylnaphthalene | ND | *- | 32.0 | 18.3 | | ug/L | | 57 | 34 - 140 | 10 | 21 |
| 2-Methylphenol | ND | | 32.0 | 18.8 | | ug/L | | 59 | 46 - 120 | 17 | 27 |
| 2-Nitroaniline | ND | | 32.0 | 24.0 | | ug/L | | 75 | 44 - 136 | 12 | 15 |
| 2-Nitrophenol | ND | | 32.0 | 20.5 | | ug/L | | 64 | 38 - 141 | 16 | 18 |
| 3,3'-Dichlorobenzidine | ND | | 64.0 | 11.7 | | ug/L | | 18 | 10 - 150 | 7 | 25 |
| 3-Nitroaniline | ND | | 32.0 | 19.5 | | ug/L | | 61 | 32 - 150 | 3 | 19 |
| 4,6-Dinitro-2-methylphenol | ND | | 64.0 | 55.1 | | ug/L | | 86 | 38 - 150 | 10 | 15 |
| 4-Bromophenyl phenyl ether | ND | | 32.0 | 25.2 | | ug/L | | 79 | 63 - 126 | 8 | 15 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 24.3 | | ug/L | | 76 | 64 - 127 | 12 | 27 |
| 4-Chloroaniline | ND | | 32.0 | 16.9 | | ug/L | | 53 | 16 - 124 | 3 | 22 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 23.2 | | ug/L | | 73 | 61 - 120 | 9 | 16 |
| 4-Methylphenol | ND | | 32.0 | 19.7 | | ug/L | | 62 | 36 - 120 | 14 | 24 |
| 4-Nitroaniline | ND | | 32.0 | 24.4 | | ug/L | | 76 | 32 - 150 | 10 | 24 |
| 4-Nitrophenol | ND | | 64.0 | 42.0 | | ug/L | | 66 | 23 - 132 | 15 | 48 |
| Acenaphthene | ND | | 32.0 | 22.9 | | ug/L | | 72 | 48 - 120 | 7 | 24 |
| Acenaphthylene | ND | | 32.0 | 22.7 | | ug/L | | 71 | 63 - 120 | 9 | 18 |
| Acetophenone | ND | | 32.0 | 19.7 | | ug/L | | 61 | 53 - 120 | 16 | 20 |
| Aniline | 0.85 | J | 32.0 | 17.1 | | ug/L | | 51 | 32 - 120 | 5 | 30 |
| Anthracene | ND | | 32.0 | 25.4 | | ug/L | | 79 | 65 - 122 | 11 | 15 |
| Atrazine | ND | | 64.0 | 49.8 | | ug/L | | 78 | 50 - 150 | 10 | 20 |
| Benzaldehyde | ND | | 64.0 | 35.5 | | ug/L | | 56 | 10 - 150 | 17 | 20 |
| Benzo(a)anthracene | ND | | 32.0 | 23.1 | | ug/L | | 72 | 43 - 124 | 14 | 15 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 22.6 | F2 | ug/L | | 71 | 23 - 125 | 17 | 15 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 22.4 | F2 | ug/L | | 70 | 27 - 127 | 16 | 15 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 21.7 | F2 | ug/L | | 68 | 16 - 147 | 19 | 15 |
| Benzo(k)fluoranthene | ND | | 32.0 | 22.6 | | ug/L | | 71 | 20 - 124 | 13 | 22 |
| Biphenyl | ND | | 32.0 | 21.0 | | ug/L | | 66 | 57 - 120 | 9 | 20 |
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 18.2 | | ug/L | | 57 | 28 - 121 | 16 | 24 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 19.8 | | ug/L | | 62 | 44 - 128 | 14 | 17 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 19.1 | | ug/L | | 60 | 45 - 120 | 21 | 21 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 22.6 | F2 | ug/L | | 71 | 16 - 150 | 18 | 15 |
| Butyl benzyl phthalate | ND | | 32.0 | 24.5 | | ug/L | | 76 | 51 - 140 | 14 | 16 |
| Caprolactam | ND | | 64.0 | 19.6 | | ug/L | | 31 | 10 - 120 | 15 | 20 |
| Carbazole | ND | | 32.0 | 28.1 | | ug/L | | 88 | 16 - 148 | 11 | 20 |
| Chrysene | ND | | 32.0 | 22.8 | | ug/L | | 71 | 44 - 122 | 15 | 15 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 22.1 | F2 | ug/L | | 69 | 16 - 139 | 18 | 15 |
| Dibenzofuran | ND | | 32.0 | 23.3 | | ug/L | | 73 | 60 - 120 | 8 | 15 |
| Diethyl phthalate | ND | | 32.0 | 25.0 | | ug/L | | 78 | 53 - 133 | 13 | 15 |
| Dimethyl phthalate | ND | | 32.0 | 25.3 | | ug/L | | 79 | 59 - 123 | 11 | 15 |
| Di-n-butyl phthalate | ND | | 32.0 | 26.0 | | ug/L | | 81 | 65 - 129 | 12 | 15 |
| Di-n-octyl phthalate | ND | | 32.0 | 22.9 | | ug/L | | 72 | 16 - 150 | 16 | 16 |
| Fluoranthene | ND | | 32.0 | 25.7 | | ug/L | | 80 | 63 - 129 | 11 | 15 |
| Fluorene | ND | | 32.0 | 24.5 | | ug/L | | 76 | 62 - 120 | 9 | 15 |
| Hexachlorobenzene | ND | | 32.0 | 23.4 | | ug/L | | 73 | 57 - 121 | 12 | 15 |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638821**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 638601**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | | 32.0 | 14.5 | | ug/L | | 45 | 37 - 120 | 5 | 44 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 13.0 | | ug/L | | 41 | 21 - 120 | 4 | 49 |
| Hexachloroethane | ND | *- | 32.0 | 13.7 | | ug/L | | 43 | 16 - 130 | 12 | 46 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 22.0 | F2 | ug/L | | 69 | 16 - 140 | 18 | 15 |
| Isophorone | ND | | 32.0 | 21.4 | | ug/L | | 67 | 48 - 133 | 14 | 17 |
| Naphthalene | ND | *- | 32.0 | 18.6 | | ug/L | | 58 | 45 - 120 | 12 | 29 |
| Nitrobenzene | 0.33 | J | 32.0 | 19.0 | | ug/L | | 58 | 45 - 123 | 16 | 24 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 20.3 | | ug/L | | 64 | 49 - 120 | 16 | 31 |
| N-Nitrosodiphenylamine | ND | | 32.0 | 25.7 | | ug/L | | 80 | 39 - 138 | 10 | 15 |
| Pentachlorophenol | ND | | 64.0 | 57.7 | | ug/L | | 90 | 23 - 149 | 19 | 37 |
| Phenanthrene | ND | | 32.0 | 25.1 | | ug/L | | 79 | 65 - 122 | 10 | 15 |
| Phenol | ND | | 32.0 | 12.4 | | ug/L | | 39 | 16 - 120 | 18 | 34 |
| Pyrene | ND | | 32.0 | 24.6 | | ug/L | | 77 | 58 - 128 | 16 | 19 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *85* | | *41 - 120* |
| *2-Fluorobiphenyl* | *69* | | *48 - 120* |
| *2-Fluorophenol* | *46* | | *35 - 120* |
| *Nitrobenzene-d5* | *58* | | *46 - 120* |
| *Phenol-d5* | *37* | | *22 - 120* |
| *p-Terphenyl-d14* | *52* | *S1-* | *60 - 148* |

**Lab Sample ID: MB 480-639256/1-A**
**Matrix: Water**
**Analysis Batch: 639479**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |

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

**Lab Sample ID: MB 480-639256/1-A**
**Matrix: Water**
**Analysis Batch: 639479**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 08/26/22 10:46 | 08/29/22 16:22 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *70* | | *41 - 120* | *08/26/22 10:46* | *08/29/22 16:22* | *1* |

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

**Lab Sample ID: MB 480-639256/1-A**
**Matrix: Water**
**Analysis Batch: 639479**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 87 | | 48 - 120 | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| 2-Fluorophenol | 58 | | 35 - 120 | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Nitrobenzene-d5 | 76 | | 46 - 120 | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| Phenol-d5 | 40 | | 22 - 120 | 08/26/22 10:46 | 08/29/22 16:22 | 1 |
| p-Terphenyl-d14 | 91 | | 60 - 148 | 08/26/22 10:46 | 08/29/22 16:22 | 1 |

**Lab Sample ID: LCS 480-639256/2-A**
**Matrix: Water**
**Analysis Batch: 639479**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 32.0 | 31.7 | | ug/L | | 99 | 65 - 126 |
| 2,4,6-Trichlorophenol | 32.0 | 31.5 | | ug/L | | 98 | 64 - 120 |
| 2,4-Dichlorophenol | 32.0 | 31.3 | | ug/L | | 98 | 63 - 120 |
| 2,4-Dimethylphenol | 32.0 | 29.4 | | ug/L | | 92 | 47 - 120 |
| 2,4-Dinitrophenol | 64.0 | 56.7 | | ug/L | | 89 | 31 - 137 |
| 2,4-Dinitrotoluene | 32.0 | 31.1 | | ug/L | | 97 | 69 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 31.3 | | ug/L | | 98 | 68 - 120 |
| 2-Chloronaphthalene | 32.0 | 28.2 | | ug/L | | 88 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 27.6 | | ug/L | | 86 | 48 - 120 |
| 2-Methylnaphthalene | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| 2-Methylphenol | 32.0 | 26.5 | | ug/L | | 83 | 39 - 120 |
| 2-Nitroaniline | 32.0 | 28.0 | | ug/L | | 87 | 54 - 127 |
| 2-Nitrophenol | 32.0 | 30.1 | | ug/L | | 94 | 52 - 125 |
| 3,3'-Dichlorobenzidine | 64.0 | 59.9 | | ug/L | | 94 | 49 - 135 |
| 3-Nitroaniline | 32.0 | 27.8 | | ug/L | | 87 | 51 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 66.4 | | ug/L | | 104 | 46 - 136 |
| 4-Bromophenyl phenyl ether | 32.0 | 31.7 | | ug/L | | 99 | 65 - 120 |
| 4-Chloro-3-methylphenol | 32.0 | 29.6 | | ug/L | | 93 | 61 - 123 |
| 4-Chloroaniline | 32.0 | 25.8 | | ug/L | | 81 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 30.2 | | ug/L | | 94 | 62 - 120 |
| 4-Methylphenol | 32.0 | 27.1 | | ug/L | | 85 | 29 - 131 |
| 4-Nitroaniline | 32.0 | 30.5 | | ug/L | | 95 | 65 - 120 |
| 4-Nitrophenol | 64.0 | 48.6 | | ug/L | | 76 | 45 - 120 |
| Acenaphthene | 32.0 | 30.0 | | ug/L | | 94 | 60 - 120 |
| Acenaphthylene | 32.0 | 29.4 | | ug/L | | 92 | 63 - 120 |
| Acetophenone | 32.0 | 28.8 | | ug/L | | 90 | 45 - 120 |
| Aniline | 32.0 | 21.5 | | ug/L | | 67 | 12 - 120 |
| Anthracene | 32.0 | 31.4 | | ug/L | | 98 | 67 - 120 |
| Atrazine | 64.0 | 68.1 | | ug/L | | 106 | 71 - 130 |
| Benzaldehyde | 64.0 | 57.2 | | ug/L | | 89 | 10 - 140 |
| Benzo(a)anthracene | 32.0 | 30.4 | | ug/L | | 95 | 70 - 121 |
| Benzo(a)pyrene | 32.0 | 32.2 | | ug/L | | 101 | 60 - 123 |
| Benzo(b)fluoranthene | 32.0 | 33.3 | | ug/L | | 104 | 66 - 126 |
| Benzo(g,h,i)perylene | 32.0 | 31.4 | | ug/L | | 98 | 66 - 150 |
| Benzo(k)fluoranthene | 32.0 | 32.7 | | ug/L | | 102 | 65 - 124 |
| Biphenyl | 32.0 | 29.1 | | ug/L | | 91 | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0 | 25.8 | | ug/L | | 80 | 21 - 136 |

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

**Lab Sample ID: LCS 480-639256/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 639479** — **Prep Batch: 639256**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Bis(2-chloroethoxy)methane | 32.0 | 28.3 | | ug/L | | 88 | 50 - 128 |
| Bis(2-chloroethyl)ether | 32.0 | 26.8 | | ug/L | | 84 | 44 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 30.7 | | ug/L | | 96 | 63 - 139 |
| Butyl benzyl phthalate | 32.0 | 31.1 | | ug/L | | 97 | 70 - 129 |
| Caprolactam | 64.0 | 22.2 | | ug/L | | 35 | 22 - 120 |
| Carbazole | 32.0 | 33.6 | | ug/L | | 105 | 66 - 123 |
| Chrysene | 32.0 | 30.6 | | ug/L | | 96 | 69 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 32.9 | | ug/L | | 103 | 65 - 135 |
| Dibenzofuran | 32.0 | 30.3 | | ug/L | | 95 | 66 - 120 |
| Diethyl phthalate | 32.0 | 32.0 | | ug/L | | 100 | 59 - 127 |
| Dimethyl phthalate | 32.0 | 31.5 | | ug/L | | 98 | 68 - 120 |
| Di-n-butyl phthalate | 32.0 | 32.8 | | ug/L | | 103 | 69 - 131 |
| Di-n-octyl phthalate | 32.0 | 30.3 | | ug/L | | 95 | 63 - 140 |
| Fluoranthene | 32.0 | 31.9 | | ug/L | | 100 | 69 - 126 |
| Fluorene | 32.0 | 31.2 | | ug/L | | 98 | 66 - 120 |
| Hexachlorobenzene | 32.0 | 32.2 | | ug/L | | 101 | 61 - 120 |
| Hexachlorobutadiene | 32.0 | 21.7 | | ug/L | | 68 | 35 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 18.9 | | ug/L | | 59 | 31 - 120 |
| Hexachloroethane | 32.0 | 20.0 | | ug/L | | 63 | 43 - 120 |
| Indeno(1,2,3-cd)pyrene | 32.0 | 32.6 | | ug/L | | 102 | 69 - 146 |
| Isophorone | 32.0 | 28.9 | | ug/L | | 90 | 55 - 120 |
| Naphthalene | 32.0 | 27.4 | | ug/L | | 86 | 57 - 120 |
| Nitrobenzene | 32.0 | 27.4 | | ug/L | | 86 | 53 - 123 |
| N-Nitrosodi-n-propylamine | 32.0 | 29.1 | | ug/L | | 91 | 32 - 140 |
| N-Nitrosodiphenylamine | 32.0 | 30.9 | | ug/L | | 97 | 61 - 120 |
| Pentachlorophenol | 64.0 | 59.5 | | ug/L | | 93 | 29 - 136 |
| Phenanthrene | 32.0 | 31.5 | | ug/L | | 98 | 68 - 120 |
| Phenol | 32.0 | 17.6 | | ug/L | | 55 | 17 - 120 |
| Pyrene | 32.0 | 31.6 | | ug/L | | 99 | 70 - 125 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *99* | | *41 - 120* |
| *2-Fluorobiphenyl* | *94* | | *48 - 120* |
| *2-Fluorophenol* | *69* | | *35 - 120* |
| *Nitrobenzene-d5* | *84* | | *46 - 120* |
| *Phenol-d5* | *52* | | *22 - 120* |
| *p-Terphenyl-d14* | *96* | | *60 - 148* |

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

**Lab Sample ID: 480-200849-2 MS** — **Client Sample ID: BCC Area C MW-C04 MS_0822**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 639479** — **Prep Batch: 639256**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol - RE | ND | H F2 | 32.0 | 26.8 | H | ug/L | | 84 | 65 - 126 |
| 2,4,6-Trichlorophenol - RE | ND | H | 32.0 | 24.8 | H | ug/L | | 78 | 64 - 120 |
| 2,4-Dichlorophenol - RE | 3.2 | J H | 32.0 | 26.6 | H | ug/L | | 73 | 48 - 132 |
| 2,4-Dimethylphenol - RE | ND | H | 32.0 | 21.8 | H | ug/L | | 68 | 39 - 130 |

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

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 639479**

**Client Sample ID: BCC Area C MW-C04 MS_0822**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dinitrophenol - RE | ND | H | 64.0 | 51.8 | H | ug/L | | 81 | 21 - 150 |
| 2,4-Dinitrotoluene - RE | ND | H | 32.0 | 25.6 | H | ug/L | | 80 | 54 - 138 |
| 2,6-Dinitrotoluene - RE | ND | H F2 | 32.0 | 25.1 | H | ug/L | | 78 | 17 - 150 |
| 2-Chloronaphthalene - RE | ND | H | 32.0 | 20.4 | H | ug/L | | 64 | 52 - 124 |
| 2-Chlorophenol - RE | ND | H | 32.0 | 18.8 | H | ug/L | | 59 | 48 - 120 |
| 2-Methylnaphthalene - RE | ND | H | 32.0 | 18.2 | H | ug/L | | 57 | 34 - 140 |
| 2-Methylphenol - RE | ND | H | 32.0 | 18.5 | H | ug/L | | 58 | 46 - 120 |
| 2-Nitroaniline - RE | ND | H F2 | 32.0 | 22.6 | H | ug/L | | 71 | 44 - 136 |
| 2-Nitrophenol - RE | ND | H | 32.0 | 21.6 | H | ug/L | | 67 | 38 - 141 |
| 3,3'-Dichlorobenzidine - RE | ND | H F2 | 64.0 | 6.09 | H | ug/L | | 10 | 10 - 150 |
| 3-Nitroaniline - RE | ND | H | 32.0 | 19.2 | H | ug/L | | 60 | 32 - 150 |
| 4,6-Dinitro-2-methylphenol - RE | ND | H F2 | 64.0 | 57.0 | H | ug/L | | 89 | 38 - 150 |
| 4-Bromophenyl phenyl ether - RE | ND | H F2 | 32.0 | 24.8 | H | ug/L | | 77 | 63 - 126 |
| 4-Chloro-3-methylphenol - RE | ND | H F1 | 32.0 | 24.7 | H | ug/L | | 77 | 64 - 127 |
| 4-Chloroaniline - RE | ND | H | 32.0 | 15.4 | H | ug/L | | 48 | 16 - 124 |
| 4-Chlorophenyl phenyl ether - RE | ND | H | 32.0 | 22.8 | H | ug/L | | 71 | 61 - 120 |
| 4-Methylphenol - RE | ND | H | 32.0 | 19.8 | H | ug/L | | 62 | 36 - 120 |
| 4-Nitroaniline - RE | ND | H | 32.0 | 23.7 | H | ug/L | | 74 | 32 - 150 |
| 4-Nitrophenol - RE | ND | H | 64.0 | 42.6 | H | ug/L | | 67 | 23 - 132 |
| Acenaphthene - RE | ND | H | 32.0 | 22.5 | H | ug/L | | 70 | 48 - 120 |
| Acenaphthylene - RE | ND | H F1 | 32.0 | 22.4 | H | ug/L | | 70 | 63 - 120 |
| Acetophenone - RE | ND | H | 32.0 | 19.8 | H | ug/L | | 62 | 53 - 120 |
| Aniline - RE | 0.79 | J H | 32.0 | 13.8 | H | ug/L | | 41 | 32 - 120 |
| Anthracene - RE | ND | H F2 | 32.0 | 25.8 | H | ug/L | | 81 | 65 - 122 |
| Atrazine - RE | ND | H | 64.0 | 50.1 | H | ug/L | | 78 | 50 - 150 |
| Benzaldehyde - RE | ND | H | 64.0 | 33.5 | H | ug/L | | 52 | 10 - 150 |
| Benzo(a)anthracene - RE | ND | H | 32.0 | 21.8 | H | ug/L | | 68 | 43 - 124 |
| Benzo(a)pyrene - RE | ND | H | 32.0 | 21.8 | H | ug/L | | 68 | 23 - 125 |
| Benzo(b)fluoranthene - RE | ND | H | 32.0 | 22.2 | H | ug/L | | 69 | 27 - 127 |
| Benzo(g,h,i)perylene - RE | ND | H | 32.0 | 21.6 | H | ug/L | | 67 | 16 - 147 |
| Benzo(k)fluoranthene - RE | ND | H | 32.0 | 22.3 | H | ug/L | | 70 | 20 - 124 |
| Biphenyl - RE | ND | H F1 | 32.0 | 21.1 | H | ug/L | | 66 | 57 - 120 |
| bis (2-chloroisopropyl) ether - RE | ND | H | 32.0 | 16.7 | H | ug/L | | 52 | 28 - 121 |
| Bis(2-chloroethoxy)methane - RE | ND | H | 32.0 | 19.7 | H | ug/L | | 62 | 44 - 128 |
| Bis(2-chloroethyl)ether - RE | ND | H | 32.0 | 19.3 | H | ug/L | | 60 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate - RE | ND | H | 32.0 | 22.1 | H | ug/L | | 69 | 16 - 150 |
| Butyl benzyl phthalate - RE | ND | H F2 | 32.0 | 24.7 | H | ug/L | | 77 | 51 - 140 |
| Caprolactam - RE | ND | H | 64.0 | 18.4 | H | ug/L | | 29 | 10 - 120 |
| Carbazole - RE | ND | H F2 | 32.0 | 28.2 | H | ug/L | | 88 | 16 - 148 |
| Chrysene - RE | ND | H | 32.0 | 21.7 | H | ug/L | | 68 | 44 - 122 |
| Dibenz(a,h)anthracene - RE | ND | H | 32.0 | 22.1 | H | ug/L | | 69 | 16 - 139 |
| Dibenzofuran - RE | ND | H | 32.0 | 22.8 | H | ug/L | | 71 | 60 - 120 |
| Diethyl phthalate - RE | ND | H F2 | 32.0 | 25.9 | H | ug/L | | 81 | 53 - 133 |
| Dimethyl phthalate - RE | ND | H F2 | 32.0 | 25.7 | H | ug/L | | 80 | 59 - 123 |
| Di-n-butyl phthalate - RE | ND | H F2 | 32.0 | 26.7 | H | ug/L | | 83 | 65 - 129 |
| Di-n-octyl phthalate - RE | ND | H | 32.0 | 22.3 | H | ug/L | | 70 | 16 - 150 |
| Fluoranthene - RE | ND | H F2 | 32.0 | 25.8 | H | ug/L | | 81 | 63 - 129 |
| Fluorene - RE | ND | H F2 | 32.0 | 24.3 | H | ug/L | | 76 | 62 - 120 |
| Hexachlorobenzene - RE | ND | H F2 | 32.0 | 24.2 | H | ug/L | | 76 | 57 - 121 |

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

**Lab Sample ID: 480-200849-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 639479**

**Client Sample ID: BCC Area C MW-C04 MS_0822**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene - RE | ND | H | 32.0 | 14.3 | H | ug/L | | 45 | 37 - 120 |
| Hexachlorocyclopentadiene - RE | ND | H | 32.0 | 14.0 | H | ug/L | | 44 | 21 - 120 |
| Hexachloroethane - RE | ND | H | 32.0 | 13.6 | H | ug/L | | 42 | 16 - 130 |
| Indeno(1,2,3-cd)pyrene - RE | ND | H | 32.0 | 22.3 | H | ug/L | | 70 | 16 - 140 |
| Isophorone - RE | ND | H | 32.0 | 21.0 | H | ug/L | | 66 | 48 - 133 |
| Naphthalene - RE | ND | H | 32.0 | 18.5 | H | ug/L | | 58 | 45 - 120 |
| Nitrobenzene - RE | 0.37 | J H | 32.0 | 18.5 | H | ug/L | | 57 | 45 - 123 |
| N-Nitrosodi-n-propylamine - RE | ND | H | 32.0 | 19.9 | H | ug/L | | 62 | 49 - 120 |
| N-Nitrosodiphenylamine - RE | ND | H F2 | 32.0 | 25.4 | H | ug/L | | 79 | 39 - 138 |
| Pentachlorophenol - RE | ND | H | 64.0 | 62.4 | H | ug/L | | 98 | 23 - 149 |
| Phenanthrene - RE | ND | H F2 | 32.0 | 25.4 | H | ug/L | | 79 | 65 - 122 |
| Phenol - RE | ND | H | 32.0 | 11.8 | H | ug/L | | 37 | 16 - 120 |
| Pyrene - RE | ND | H | 32.0 | 25.4 | H | ug/L | | 79 | 58 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol - RE* | *84* | | *41 - 120* |
| *2-Fluorobiphenyl - RE* | *70* | | *48 - 120* |
| *2-Fluorophenol - RE* | *45* | | *35 - 120* |
| *Nitrobenzene-d5 - RE* | *57* | | *46 - 120* |
| *Phenol-d5 - RE* | *36* | | *22 - 120* |
| *p-Terphenyl-d14 - RE* | *48* | *S1-* | *60 - 148* |

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 639479**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol - RE | ND | H F2 | 32.0 | 21.7 | H F2 | ug/L | | 68 | 65 - 126 | 21 | 18 |
| 2,4,6-Trichlorophenol - RE | ND | H | 32.0 | 21.4 | H | ug/L | | 67 | 64 - 120 | 15 | 19 |
| 2,4-Dichlorophenol - RE | 3.2 | J H | 32.0 | 23.1 | H | ug/L | | 62 | 48 - 132 | 14 | 19 |
| 2,4-Dimethylphenol - RE | ND | H | 32.0 | 19.1 | H | ug/L | | 60 | 39 - 130 | 13 | 42 |
| 2,4-Dinitrophenol - RE | ND | H | 64.0 | 43.9 | H | ug/L | | 69 | 21 - 150 | 16 | 22 |
| 2,4-Dinitrotoluene - RE | ND | H | 32.0 | 21.5 | H | ug/L | | 67 | 54 - 138 | 17 | 20 |
| 2,6-Dinitrotoluene - RE | ND | H F2 | 32.0 | 20.9 | H F2 | ug/L | | 65 | 17 - 150 | 18 | 15 |
| 2-Chloronaphthalene - RE | ND | H | 32.0 | 17.6 | H | ug/L | | 55 | 52 - 124 | 15 | 21 |
| 2-Chlorophenol - RE | ND | H | 32.0 | 17.5 | H | ug/L | | 55 | 48 - 120 | 7 | 25 |
| 2-Methylnaphthalene - RE | ND | H | 32.0 | 16.0 | H | ug/L | | 50 | 34 - 140 | 13 | 21 |
| 2-Methylphenol - RE | ND | H | 32.0 | 16.3 | H | ug/L | | 51 | 46 - 120 | 12 | 27 |
| 2-Nitroaniline - RE | ND | H F2 | 32.0 | 19.1 | H F2 | ug/L | | 60 | 44 - 136 | 17 | 15 |
| 2-Nitrophenol - RE | ND | H | 32.0 | 19.6 | H | ug/L | | 61 | 38 - 141 | 10 | 18 |
| 3,3'-Dichlorobenzidine - RE | ND | H F2 | 64.0 | 10.6 | H F2 | ug/L | | 17 | 10 - 150 | 54 | 25 |
| 3-Nitroaniline - RE | ND | H | 32.0 | 16.1 | H | ug/L | | 50 | 32 - 150 | 17 | 19 |
| 4,6-Dinitro-2-methylphenol - RE | ND | H F2 | 64.0 | 44.7 | H F2 | ug/L | | 70 | 38 - 150 | 24 | 15 |
| 4-Bromophenyl phenyl ether - RE | ND | H F2 | 32.0 | 20.3 | H F2 | ug/L | | 63 | 63 - 126 | 20 | 15 |
| 4-Chloro-3-methylphenol - RE | ND | H F1 | 32.0 | 20.3 | H F1 | ug/L | | 63 | 64 - 127 | 20 | 27 |
| 4-Chloroaniline - RE | ND | H | 32.0 | 15.4 | H | ug/L | | 48 | 16 - 124 | 0 | 22 |
| 4-Chlorophenyl phenyl ether - RE | ND | H | 32.0 | 19.9 | H | ug/L | | 62 | 61 - 120 | 14 | 16 |
| 4-Methylphenol - RE | ND | H | 32.0 | 17.7 | H | ug/L | | 55 | 36 - 120 | 11 | 24 |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 639479**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Nitroaniline - RE | ND | H | 32.0 | 18.8 | H | ug/L | | 59 | 32 - 150 | 23 | 24 |
| 4-Nitrophenol - RE | ND | H | 64.0 | 35.6 | H | ug/L | | 56 | 23 - 132 | 18 | 48 |
| Acenaphthene - RE | ND | H | 32.0 | 19.4 | H | ug/L | | 61 | 48 - 120 | 15 | 24 |
| Acenaphthylene - RE | ND | H F1 | 32.0 | 19.6 | H F1 | ug/L | | 61 | 63 - 120 | 13 | 18 |
| Acetophenone - RE | ND | H | 32.0 | 18.0 | H | ug/L | | 56 | 53 - 120 | 9 | 20 |
| Aniline - RE | 0.79 | J H | 32.0 | 15.5 | H | ug/L | | 46 | 32 - 120 | 11 | 30 |
| Anthracene - RE | ND | H F2 | 32.0 | 20.9 | H F2 | ug/L | | 65 | 65 - 122 | 21 | 15 |
| Atrazine - RE | ND | H | 64.0 | 43.4 | H | ug/L | | 68 | 50 - 150 | 14 | 20 |
| Benzaldehyde - RE | ND | H | 64.0 | 32.5 | H | ug/L | | 51 | 10 - 150 | 3 | 20 |
| Benzo(a)anthracene - RE | ND | H | 32.0 | 19.1 | H | ug/L | | 60 | 43 - 124 | 13 | 15 |
| Benzo(a)pyrene - RE | ND | H | 32.0 | 19.5 | H | ug/L | | 61 | 23 - 125 | 11 | 15 |
| Benzo(b)fluoranthene - RE | ND | H | 32.0 | 19.3 | H | ug/L | | 60 | 27 - 127 | 14 | 15 |
| Benzo(g,h,i)perylene - RE | ND | H | 32.0 | 19.3 | H | ug/L | | 60 | 16 - 147 | 11 | 15 |
| Benzo(k)fluoranthene - RE | ND | H | 32.0 | 19.5 | H | ug/L | | 61 | 20 - 124 | 14 | 22 |
| Biphenyl - RE | ND | H F1 | 32.0 | 17.6 | H F1 | ug/L | | 55 | 57 - 120 | 18 | 20 |
| bis (2-chloroisopropyl) ether - RE | ND | H | 32.0 | 15.9 | H | ug/L | | 50 | 28 - 121 | 5 | 24 |
| Bis(2-chloroethoxy)methane - RE | ND | H | 32.0 | 17.7 | H | ug/L | | 55 | 44 - 128 | 11 | 17 |
| Bis(2-chloroethyl)ether - RE | ND | H | 32.0 | 18.5 | H | ug/L | | 58 | 45 - 120 | 5 | 21 |
| Bis(2-ethylhexyl) phthalate - RE | ND | H | 32.0 | 19.9 | H | ug/L | | 62 | 16 - 150 | 11 | 15 |
| Butyl benzyl phthalate - RE | ND | H F2 | 32.0 | 20.8 | H F2 | ug/L | | 65 | 51 - 140 | 17 | 16 |
| Caprolactam - RE | ND | H | 64.0 | 15.8 | H | ug/L | | 25 | 10 - 120 | 15 | 20 |
| Carbazole - RE | ND | H F2 | 32.0 | 22.9 | H F2 | ug/L | | 72 | 16 - 148 | 21 | 20 |
| Chrysene - RE | ND | H | 32.0 | 18.7 | H | ug/L | | 59 | 44 - 122 | 15 | 15 |
| Dibenz(a,h)anthracene - RE | ND | H | 32.0 | 19.8 | H | ug/L | | 62 | 16 - 139 | 11 | 15 |
| Dibenzofuran - RE | ND | H | 32.0 | 19.7 | H | ug/L | | 61 | 60 - 120 | 15 | 15 |
| Diethyl phthalate - RE | ND | H F2 | 32.0 | 21.7 | H F2 | ug/L | | 68 | 53 - 133 | 18 | 15 |
| Dimethyl phthalate - RE | ND | H F2 | 32.0 | 21.3 | H F2 | ug/L | | 67 | 59 - 123 | 19 | 15 |
| Di-n-butyl phthalate - RE | ND | H F2 | 32.0 | 21.4 | H F2 | ug/L | | 67 | 65 - 129 | 22 | 15 |
| Di-n-octyl phthalate - RE | ND | H | 32.0 | 19.3 | H | ug/L | | 60 | 16 - 150 | 14 | 16 |
| Fluoranthene - RE | ND | H F2 | 32.0 | 21.0 | H F2 | ug/L | | 66 | 63 - 129 | 21 | 15 |
| Fluorene - RE | ND | H F2 | 32.0 | 20.6 | H F2 | ug/L | | 64 | 62 - 120 | 17 | 15 |
| Hexachlorobenzene - RE | ND | H F2 | 32.0 | 20.3 | H F2 | ug/L | | 64 | 57 - 121 | 18 | 15 |
| Hexachlorobutadiene - RE | ND | H | 32.0 | 12.8 | H | ug/L | | 40 | 37 - 120 | 11 | 44 |
| Hexachlorocyclopentadiene - RE | ND | H | 32.0 | 11.1 | H | ug/L | | 35 | 21 - 120 | 23 | 49 |
| Hexachloroethane - RE | ND | H | 32.0 | 12.1 | H | ug/L | | 38 | 16 - 130 | 12 | 46 |
| Indeno(1,2,3-cd)pyrene - RE | ND | H | 32.0 | 19.6 | H | ug/L | | 61 | 16 - 140 | 13 | 15 |
| Isophorone - RE | ND | H | 32.0 | 18.3 | H | ug/L | | 57 | 48 - 133 | 14 | 17 |
| Naphthalene - RE | ND | H | 32.0 | 16.4 | H | ug/L | | 51 | 45 - 120 | 12 | 29 |
| Nitrobenzene - RE | 0.37 | J H | 32.0 | 17.6 | H | ug/L | | 54 | 45 - 123 | 5 | 24 |
| N-Nitrosodi-n-propylamine - RE | ND | H | 32.0 | 18.1 | H | ug/L | | 56 | 49 - 120 | 10 | 31 |
| N-Nitrosodiphenylamine - RE | ND | H F2 | 32.0 | 21.3 | H F2 | ug/L | | 67 | 39 - 138 | 18 | 15 |
| Pentachlorophenol - RE | ND | H | 64.0 | 48.0 | H | ug/L | | 75 | 23 - 149 | 26 | 37 |
| Phenanthrene - RE | ND | H F2 | 32.0 | 20.7 | H F2 | ug/L | | 65 | 65 - 122 | 20 | 15 |
| Phenol - RE | ND | H | 32.0 | 11.3 | H | ug/L | | 35 | 16 - 120 | 4 | 34 |
| Pyrene - RE | ND | H | 32.0 | 21.1 | H | ug/L | | 66 | 58 - 128 | 19 | 19 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol - RE* | *69* | | *41 - 120* |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 639479**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 639256**

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl - RE* | *62* | | *48 - 120* |
| *2-Fluorophenol - RE* | *45* | | *35 - 120* |
| *Nitrobenzene-d5 - RE* | *54* | | *46 - 120* |
| *Phenol-d5 - RE* | *35* | | *22 - 120* |
| *p-Terphenyl-d14 - RE* | *44* | *S1-* | *60 - 148* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-638322/1-A**
**Matrix: Water**
**Analysis Batch: 639408**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 638322**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Barium | ND | | 0.0020 | 0.00070 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Calcium | ND | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Manganese | ND | | 0.0030 | 0.00040 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Potassium | ND | | 0.50 | 0.10 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |
| Zinc | ND | | 0.010 | 0.0015 | mg/L | | 08/24/22 09:03 | 08/26/22 14:37 | 1 |

**Lab Sample ID: LCS 480-638322/2-A**
**Matrix: Water**
**Analysis Batch: 639408**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 638322**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 9.92 | | mg/L | | 99 | 80 - 120 |
| Antimony | 0.200 | 0.209 | | mg/L | | 105 | 80 - 120 |
| Arsenic | 0.201 | 0.202 | | mg/L | | 101 | 80 - 120 |
| Barium | 0.200 | 0.207 | | mg/L | | 103 | 80 - 120 |
| Beryllium | 0.200 | 0.203 | | mg/L | | 101 | 80 - 120 |
| Cadmium | 0.200 | 0.197 | | mg/L | | 99 | 80 - 120 |
| Calcium | 10.0 | 9.89 | | mg/L | | 99 | 80 - 120 |
| Chromium | 0.200 | 0.198 | | mg/L | | 99 | 80 - 120 |

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

**Lab Sample ID: LCS 480-638322/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 639408** — **Prep Batch: 638322**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cobalt | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Copper | 0.200 | 0.207 | | mg/L | | 104 | 80 - 120 |
| Iron | 10.0 | 10.07 | | mg/L | | 101 | 80 - 120 |
| Lead | 0.201 | 0.195 | | mg/L | | 97 | 80 - 120 |
| Magnesium | 10.0 | 9.58 | | mg/L | | 96 | 80 - 120 |
| Manganese | 0.200 | 0.202 | | mg/L | | 101 | 80 - 120 |
| Nickel | 0.200 | 0.193 | | mg/L | | 97 | 80 - 120 |
| Potassium | 10.0 | 9.92 | | mg/L | | 99 | 80 - 120 |
| Selenium | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Silver | 0.0500 | 0.0478 | | mg/L | | 96 | 80 - 120 |
| Sodium | 10.0 | 9.75 | | mg/L | | 97 | 80 - 120 |
| Thallium | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Vanadium | 0.201 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Zinc | 0.200 | 0.192 | | mg/L | | 96 | 80 - 120 |

**Lab Sample ID: 480-200849-2 MS** — **Client Sample ID: BCC Area C MW-C04 MS_0822**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 639408** — **Prep Batch: 638322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 10.0 | 9.10 | | mg/L | | 91 | 75 - 125 |
| Antimony | ND | | 0.200 | 0.195 | | mg/L | | 98 | 75 - 125 |
| Arsenic | ND | | 0.201 | 0.193 | | mg/L | | 96 | 75 - 125 |
| Barium | 1.4 | | 0.200 | 1.36 | 4 | mg/L | | -0.2 | 75 - 125 |
| Beryllium | ND | | 0.200 | 0.188 | | mg/L | | 94 | 75 - 125 |
| Cadmium | ND | | 0.200 | 0.186 | | mg/L | | 93 | 75 - 125 |
| Calcium | 240 | | 10.0 | 218.2 | 4 | mg/L | | -217 | 75 - 125 |
| Chromium | ND | | 0.200 | 0.181 | | mg/L | | 90 | 75 - 125 |
| Cobalt | ND | | 0.200 | 0.184 | | mg/L | | 92 | 75 - 125 |
| Copper | ND | | 0.200 | 0.186 | | mg/L | | 93 | 75 - 125 |
| Iron | 2.6 | | 10.0 | 11.38 | | mg/L | | 88 | 75 - 125 |
| Lead | ND | | 0.201 | 0.184 | | mg/L | | 92 | 75 - 125 |
| Magnesium | 30.7 | F1 | 10.0 | 36.01 | F1 | mg/L | | 53 | 75 - 125 |
| Manganese | 0.77 | F1 | 0.200 | 0.871 | F1 | mg/L | | 52 | 75 - 125 |
| Nickel | ND | | 0.200 | 0.180 | | mg/L | | 90 | 75 - 125 |
| Potassium | 13.4 | | 10.0 | 21.08 | | mg/L | | 77 | 75 - 125 |
| Selenium | ND | | 0.200 | 0.184 | | mg/L | | 92 | 75 - 125 |
| Silver | ND | | 0.0500 | 0.0458 | | mg/L | | 92 | 75 - 125 |
| Sodium | 83.6 | | 10.0 | 84.71 | 4 | mg/L | | 11 | 75 - 125 |
| Thallium | ND | | 0.200 | 0.184 | | mg/L | | 92 | 75 - 125 |
| Vanadium | ND | | 0.201 | 0.182 | | mg/L | | 91 | 75 - 125 |
| Zinc | 0.0040 | J | 0.200 | 0.178 | | mg/L | | 87 | 75 - 125 |

**Lab Sample ID: 480-200849-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 639408** — **Prep Batch: 638322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 10.0 | 10.12 | | mg/L | | 101 | 75 - 125 | 11 | 20 |

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

**Lab Sample ID: 480-200849-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 639408** — **Prep Batch: 638322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 0.200 | 0.214 | | mg/L | | 107 | 75 - 125 | 9 | 20 |
| Arsenic | ND | | 0.201 | 0.212 | | mg/L | | 106 | 75 - 125 | 10 | 20 |
| Barium | 1.4 | | 0.200 | 1.57 | 4 | mg/L | | 102 | 75 - 125 | 14 | 20 |
| Beryllium | ND | | 0.200 | 0.210 | | mg/L | | 105 | 75 - 125 | 11 | 20 |
| Cadmium | ND | | 0.200 | 0.205 | | mg/L | | 103 | 75 - 125 | 10 | 20 |
| Calcium | 240 | | 10.0 | 244.1 | 4 | mg/L | | 42 | 75 - 125 | 11 | 20 |
| Chromium | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 | 11 | 20 |
| Cobalt | ND | | 0.200 | 0.205 | | mg/L | | 102 | 75 - 125 | 11 | 20 |
| Copper | ND | | 0.200 | 0.210 | | mg/L | | 105 | 75 - 125 | 12 | 20 |
| Iron | 2.6 | | 10.0 | 12.52 | | mg/L | | 99 | 75 - 125 | 10 | 20 |
| Lead | ND | | 0.201 | 0.203 | | mg/L | | 101 | 75 - 125 | 10 | 20 |
| Magnesium | 30.7 | F1 | 10.0 | 40.10 | | mg/L | | 94 | 75 - 125 | 11 | 20 |
| Manganese | 0.77 | F1 | 0.200 | 0.964 | | mg/L | | 98 | 75 - 125 | 10 | 20 |
| Nickel | ND | | 0.200 | 0.201 | | mg/L | | 100 | 75 - 125 | 11 | 20 |
| Potassium | 13.4 | | 10.0 | 23.86 | | mg/L | | 105 | 75 - 125 | 12 | 20 |
| Selenium | ND | | 0.200 | 0.206 | | mg/L | | 103 | 75 - 125 | 11 | 20 |
| Silver | ND | | 0.0500 | 0.0509 | | mg/L | | 102 | 75 - 125 | 11 | 20 |
| Sodium | 83.6 | | 10.0 | 92.58 | 4 | mg/L | | 89 | 75 - 125 | 9 | 20 |
| Thallium | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 | 9 | 20 |
| Vanadium | ND | | 0.201 | 0.202 | | mg/L | | 101 | 75 - 125 | 11 | 20 |
| Zinc | 0.0040 | J | 0.200 | 0.197 | | mg/L | | 96 | 75 - 125 | 10 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-638389/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 638504** — **Prep Batch: 638389**

| 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 10:02 | 1 |

**Lab Sample ID: LCS 480-638389/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 638504** — **Prep Batch: 638389**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00667 | 0.00662 | | mg/L | | 99 | 80 - 120 |

**Lab Sample ID: 480-200849-2 MS** — **Client Sample ID: BCC Area C MW-C04 MS_0822**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 638504** — **Prep Batch: 638389**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00653 | | mg/L | | 98 | 80 - 120 |

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

**Lab Sample ID: 480-200849-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 638504**

**Client Sample ID: BCC Area C MW-C04 MSD_0822**
**Prep Type: Total/NA**
**Prep Batch: 638389**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00670 | | mg/L | | 100 | 80 - 120 | 3 | 20 |

# QC Association Summary

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

Job ID: 480-200849-1

## GC/MS VOA

### Analysis Batch: 638290

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 8260C | |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 8260C | |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 8260C | |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 8260C | |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 8260C | |
| MB 480-638290/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-638290/6 | Lab Control Sample | Total/NA | Water | 8260C | |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 8260C | |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 8260C | |

### Analysis Batch: 638441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-5 - DL | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 8260C | |
| MB 480-638441/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-638441/5 | Lab Control Sample | Total/NA | Water | 8260C | |

### Analysis Batch: 638813

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-6 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 480-638813/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-638813/6 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 638601

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 3510C | |
| MB 480-638601/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 480-638601/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 3510C | |

### Analysis Batch: 638817

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 480-638601/1-A | Method Blank | Total/NA | Water | 8270D | 638601 |
| LCS 480-638601/2-A | Lab Control Sample | Total/NA | Water | 8270D | 638601 |

### Analysis Batch: 638821

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 8270D | 638601 |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 8270D | 638601 |

# QC Association Summary

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

Job ID: 480-200849-1

## GC/MS Semi VOA

### Prep Batch: 639256

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 - RE | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-2 - RE | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-3 - RE | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-4 - RE | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-5 - RE | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 3510C | |
| MB 480-639256/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 480-639256/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 480-200849-2 MS - RE | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 3510C | |
| 480-200849-2 MSD - RE | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 3510C | |

### Analysis Batch: 639479

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 - RE | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 8270D | 639256 |
| 480-200849-2 - RE | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 8270D | 639256 |
| 480-200849-3 - RE | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 8270D | 639256 |
| 480-200849-4 - RE | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 8270D | 639256 |
| 480-200849-5 - RE | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 8270D | 639256 |
| MB 480-639256/1-A | Method Blank | Total/NA | Water | 8270D | 639256 |
| LCS 480-639256/2-A | Lab Control Sample | Total/NA | Water | 8270D | 639256 |
| 480-200849-2 MS - RE | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 8270D | 639256 |
| 480-200849-2 MSD - RE | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 8270D | 639256 |

## Metals

### Prep Batch: 638322

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 3005A | |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 3005A | |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 3005A | |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 3005A | |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 3005A | |
| MB 480-638322/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 480-638322/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 3005A | |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 3005A | |

### Prep Batch: 638389

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 7470A | |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 7470A | |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 7470A | |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 7470A | |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 7470A | |
| MB 480-638389/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 480-638389/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 7470A | |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 7470A | |

### Analysis Batch: 638504

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 7470A | 638389 |

## Metals (Continued)

### Analysis Batch: 638504 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 7470A | 638389 |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 7470A | 638389 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 7470A | 638389 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 7470A | 638389 |
| MB 480-638389/1-A | Method Blank | Total/NA | Water | 7470A | 638389 |
| LCS 480-638389/2-A | Lab Control Sample | Total/NA | Water | 7470A | 638389 |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 7470A | 638389 |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 7470A | 638389 |

### Analysis Batch: 639408

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Total/NA | Ground Water | 6010C | 638322 |
| 480-200849-2 | BCC Area C MW-C04_0822 | Total/NA | Ground Water | 6010C | 638322 |
| 480-200849-3 | BCC Area C PS-05A_0822 | Total/NA | Ground Water | 6010C | 638322 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Total/NA | Ground Water | 6010C | 638322 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 6010C | 638322 |
| MB 480-638322/1-A | Method Blank | Total/NA | Water | 6010C | 638322 |
| LCS 480-638322/2-A | Lab Control Sample | Total/NA | Water | 6010C | 638322 |
| 480-200849-2 MS | BCC Area C MW-C04 MS_0822 | Total/NA | Ground Water | 6010C | 638322 |
| 480-200849-2 MSD | BCC Area C MW-C04 MSD_0822 | Total/NA | Ground Water | 6010C | 638322 |

### Analysis Batch: 639908

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-200849-5 | BCC Area C RFI-31A_0822 | Total/NA | Ground Water | 6010C | 638322 |

# Lab Chronicle

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C MW-C04 D_0822

**Lab Sample ID: 480-200849-1**

**Date Collected: 08/18/22 11:25**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 638290 | AXK | EET BUF | 08/20/22 03:09 |
| Total/NA | Prep | 3510C | | | 638601 | MS | EET BUF | 08/23/22 08:19 |
| Total/NA | Analysis | 8270D | | 1 | 638821 | JMM | EET BUF | 08/25/22 13:57 |
| Total/NA | Prep | 3510C | RE | | 639256 | MS | EET BUF | 08/26/22 10:46 |
| Total/NA | Analysis | 8270D | RE | 1 | 639479 | JMM | EET BUF | 08/29/22 23:40 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 1 | 639408 | LMH | EET BUF | 08/26/22 15:12 |
| Total/NA | Prep | 7470A | | | 638389 | NVK | EET BUF | 08/21/22 15:40 |
| Total/NA | Analysis | 7470A | | 1 | 638504 | NVK | EET BUF | 08/22/22 10:16 |

## Client Sample ID: BCC Area C MW-C04_0822

**Lab Sample ID: 480-200849-2**

**Date Collected: 08/18/22 10:25**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 638290 | AXK | EET BUF | 08/20/22 03:31 |
| Total/NA | Prep | 3510C | | | 638601 | MS | EET BUF | 08/23/22 08:19 |
| Total/NA | Analysis | 8270D | | 1 | 638821 | JMM | EET BUF | 08/25/22 09:51 |
| Total/NA | Prep | 3510C | RE | | 639256 | MS | EET BUF | 08/26/22 10:46 |
| Total/NA | Analysis | 8270D | RE | 1 | 639479 | JMM | EET BUF | 08/29/22 18:11 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 1 | 639408 | LMH | EET BUF | 08/26/22 15:16 |
| Total/NA | Prep | 7470A | | | 638389 | NVK | EET BUF | 08/21/22 15:40 |
| Total/NA | Analysis | 7470A | | 1 | 638504 | NVK | EET BUF | 08/22/22 10:17 |

## Client Sample ID: BCC Area C PS-05A_0822

**Lab Sample ID: 480-200849-3**

**Date Collected: 08/18/22 12:35**
**Matrix: Ground Water**
**Date Received: 08/18/22 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 2 | 638290 | AXK | EET BUF | 08/20/22 03:52 |
| Total/NA | Prep | 3510C | | | 638601 | MS | EET BUF | 08/23/22 08:19 |
| Total/NA | Analysis | 8270D | | 1 | 638821 | JMM | EET BUF | 08/25/22 14:24 |
| Total/NA | Prep | 3510C | RE | | 639256 | MS | EET BUF | 08/26/22 10:46 |
| Total/NA | Analysis | 8270D | RE | 1 | 639479 | JMM | EET BUF | 08/30/22 00:08 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 1 | 639408 | LMH | EET BUF | 08/26/22 14:57 |
| Total/NA | Prep | 7470A | | | 638389 | NVK | EET BUF | 08/21/22 15:40 |
| Total/NA | Analysis | 7470A | | 1 | 638504 | NVK | EET BUF | 08/22/22 10:22 |

# Lab Chronicle

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

Job ID: 480-200849-1

## Client Sample ID: BCC Area C RFI-20A_0822

**Lab Sample ID: 480-200849-4**

**Date Collected: 08/18/22 12:00**
**Date Received: 08/18/22 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 | 638290 | AXK | EET BUF | 08/20/22 04:15 |
| Total/NA | Prep | 3510C | | | 638601 | MS | EET BUF | 08/23/22 08:19 |
| Total/NA | Analysis | 8270D | | 1 | 638821 | JMM | EET BUF | 08/25/22 14:52 |
| Total/NA | Prep | 3510C | RE | | 639256 | MS | EET BUF | 08/26/22 10:46 |
| Total/NA | Analysis | 8270D | RE | 1 | 639479 | JMM | EET BUF | 08/30/22 00:35 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 1 | 639408 | LMH | EET BUF | 08/26/22 15:00 |
| Total/NA | Prep | 7470A | | | 638389 | NVK | EET BUF | 08/21/22 15:40 |
| Total/NA | Analysis | 7470A | | 1 | 638504 | NVK | EET BUF | 08/22/22 10:26 |

## Client Sample ID: BCC Area C RFI-31A_0822

**Lab Sample ID: 480-200849-5**

**Date Collected: 08/18/22 13:50**
**Date Received: 08/18/22 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 | | 4 | 638290 | AXK | EET BUF | 08/20/22 04:36 |
| Total/NA | Analysis | 8260C | DL | 20 | 638441 | LCH | EET BUF | 08/22/22 13:03 |
| Total/NA | Prep | 3510C | | | 638601 | MS | EET BUF | 08/23/22 08:19 |
| Total/NA | Analysis | 8270D | | 1 | 638821 | JMM | EET BUF | 08/25/22 15:19 |
| Total/NA | Prep | 3510C | RE | | 639256 | MS | EET BUF | 08/26/22 10:46 |
| Total/NA | Analysis | 8270D | RE | 1 | 639479 | JMM | EET BUF | 08/30/22 01:02 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 5 | 639908 | LMH | EET BUF | 08/31/22 14:52 |
| Total/NA | Prep | 3005A | | | 638322 | NVK | EET BUF | 08/24/22 09:03 |
| Total/NA | Analysis | 6010C | | 1 | 639408 | LMH | EET BUF | 08/26/22 15:04 |
| Total/NA | Prep | 7470A | | | 638389 | NVK | EET BUF | 08/21/22 15:40 |
| Total/NA | Analysis | 7470A | | 1 | 638504 | NVK | EET BUF | 08/22/22 10:28 |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-200849-6**

**Date Collected: 08/18/22 10:25**
**Date Received: 08/18/22 15:00**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 638813 | ATG | EET BUF | 08/24/22 21:49 |

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 480-200849-1

## Laboratory: Eurofins Buffalo

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

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

# Method Summary

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

Job ID: 480-200849-1

| 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 C Wells

Job ID: 480-200849-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-200849-1 | BCC Area C MW-C04 D_0822 | Ground Water | 08/18/22 11:25 | 08/18/22 15:00 |
| 480-200849-2 | BCC Area C MW-C04_0822 | Ground Water | 08/18/22 10:25 | 08/18/22 15:00 |
| 480-200849-3 | BCC Area C PS-05A_0822 | Ground Water | 08/18/22 12:35 | 08/18/22 15:00 |
| 480-200849-4 | BCC Area C RFI-20A_0822 | Ground Water | 08/18/22 12:00 | 08/18/22 15:00 |
| 480-200849-5 | BCC Area C RFI-31A_0822 | Ground Water | 08/18/22 13:50 | 08/18/22 15:00 |
| 480-200849-6 | TRIP BLANK | Water | 08/18/22 10:25 | 08/18/22 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 Kunzelman | Lab PM: Schove, John R | Carrier Tracking No(s): OSC | COC No: 480-176201-6265.1 |
|---|---|---|---|---|
| Client Contact: Kirsten Colligan | Phone: 716-480-3282 | E-Mail: John.Schove@et.eurofinsus.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 | Due Date Requested: 2 weeks |
| City: Buffalo | TAT Requested (days): |
| State, Zip: NY, ~~14209~~ 14210 | Compliance Project: Δ Yes Δ No |
| Phone: 716-856-3333 | PO #: ~~65242~~ 65217 |
| 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**

480-200849 Chain of Custody

**Preservation Codes:**
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric 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
Y - Trizma
Z - other (specify)

| 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 C RFI-31A | 8-18-22 | 13:50 | G | Water | | | X | X | X | | |
| BCC Area C MW-C04 | 8-18-22 | 10:25 | G | Water | | | X | X | X | | |
| BCC Area C RFI-20A | 8-18-22 | 12:00 | G | Water | | | X | X | X | | |
| BCC Area C PS-05A | 8-18-22 | 12:35 | G | Water | | | X | X | X | | |
| BCC Area C MW-C04 D | 8-18-22 | 11:25 | G | Water | | | X | X | X | | |
| BCC Area C MW-C04 MS | 8-18-22 | 10:25 | G | Water | | | X | X | X | | |
| BCC Area C ~~MW-C04 MSD~~ | 8-18-22 | 10:25 | G | Water | | | X | X | X | | |
| TRIP BLANK | 8-18-22 | 10:25 | | Water | | | | | | | |

***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 |
|---|---|---|---|---|---|
| Taylor Kunzelman | 8-18-22 15:00 | OSC | | | |
| | | | | | |
| | | | | 8/18/22 1500 | MAD |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1 #1 ICE |
|---|---|---|

Ver: 06/08/2021

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-200849-1

**Login Number: 200849**

**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: 480-192048-1
Client Project/Site: Buffalo Color GWTF Area C Wells
Sampling Event: Buffalo Color Area C Wells

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

Attn: Kirsten Colligan

*Authorized for release by:*
*11/17/2021 5:41:03 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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

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

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

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## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| 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 |

## Job ID: 480-192048-1

### Laboratory: Eurofins TestAmerica, Buffalo

**Narrative**

**Job Narrative**
**480-192048-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 11/9/2021 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 11.5º C.

**GC/MS VOA**
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: BCC Area C RFI-31_1121 (480-192048-1), BCC Area C MW-C04_1121 (480-192048-2), BCC Area C MW-C04 MS_1121 (480-192048-2[MS]), BCC Area C MW-C04 MSD_1121 (480-192048-2[MSD]), BCC Area C PS-05A_1121 (480-192048-4) and BCC Area C MW-C04 D_1121 (480-192048-5). Elevated reporting limits (RLs) are provided.

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

**GC/MS Semi VOA**
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-604693 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene. 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: 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 samples contained an allowable number of surrogate compounds outside limits: BCC Area C MW-C04 MS_1121 (480-192048-2[MS]) and BCC Area C MW-C04 MSD_1121 (480-192048-2[MSD]). These results have been reported and qualified.

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

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

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

# Detection Summary

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-31_1121 — Lab Sample ID: 480-192048-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 42 | | 5.0 | 2.1 | ug/L | 5 | | 8260C | Total/NA |
| 1,3-Dichlorobenzene | 130 | | 5.0 | 3.9 | ug/L | 5 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 21 | | 5.0 | 4.2 | ug/L | 5 | | 8260C | Total/NA |
| Chlorobenzene | 22 | | 5.0 | 3.8 | ug/L | 5 | | 8260C | Total/NA |
| 2,4,5-Trichlorophenol | 1.4 | J | 5.0 | 0.48 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dichlorophenol | 2.1 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| 2-Chlorophenol | 0.53 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 0.023 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 289 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0014 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0041 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.20 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0035 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 31.8 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.032 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0058 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 9.6 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 1680 | | 5.0 | 1.6 | mg/L | 5 | | 6010C | Total/NA |
| Vanadium | 0.0023 | J | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.019 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C MW-C04_1121 — Lab Sample ID: 480-192048-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 12 | | 8.0 | 6.2 | ug/L | 8 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 21 | | 8.0 | 6.7 | ug/L | 8 | | 8260C | Total/NA |
| Chlorobenzene | 140 | | 8.0 | 6.0 | ug/L | 8 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 0.92 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| 2-Chlorophenol | 0.66 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 0.80 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Butyl benzyl phthalate | 1.0 | J F2 | 5.0 | 1.0 | ug/L | 1 | | 8270D | Total/NA |
| N-Nitrosodiphenylamine | 0.71 | J F2 | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.082 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.45 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 251 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0012 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0051 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 5.9 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 36.4 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.91 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0013 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 12.8 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 134 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.011 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C RFI-20_1121 — Lab Sample ID: 480-192048-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 7.4 | J | 10 | 3.0 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 3.1 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| Di-n-butyl phthalate | 0.42 | J | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.28 | | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: BCC Area C RFI-20_1121 (Continued) — Lab Sample ID: 480-192048-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 0.055 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 216 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0049 | | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.00096 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0050 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.68 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 19.9 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.26 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0061 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.1 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 68.3 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Vanadium | 0.012 | | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.046 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C PS-05A_1121 — Lab Sample ID: 480-192048-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 61 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 2-Chlorophenol | 0.56 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.12 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Arsenic | 0.024 | | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.053 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 116 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0012 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0044 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 1.0 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 28.1 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.034 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0028 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 7.0 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 45.6 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Vanadium | 0.0026 | J | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0042 | J | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C MW-C04 D_1121 — Lab Sample ID: 480-192048-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 11 | | 4.0 | 3.1 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 22 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 150 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 0.93 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| 2-Chlorophenol | 0.84 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| N-Nitrosodiphenylamine | 0.79 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.078 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.43 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 249 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0044 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 5.8 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 36.4 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.91 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 12.6 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 134 | | 1.0 | 0.32 | 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 GWTF Area C Wells

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04 D_1121 (Continued) — Lab Sample ID: 480-192048-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Zinc | 0.011 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: TRIP BLANK — Lab Sample ID: 480-192048-6

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-31_1121

**Lab Sample ID: 480-192048-1**

**Date Collected: 11/08/21 11:30**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.0 | 4.1 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.1 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.6 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.2 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,1-Dichloroethane | ND | | 5.0 | 1.9 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,1-Dichloroethene | ND | | 5.0 | 1.5 | ug/L | | | 11/16/21 01:41 | 5 |
| **1,2,4-Trichlorobenzene** | **42** | | 5.0 | 2.1 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.0 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,2-Dibromoethane | ND | | 5.0 | 3.7 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 4.0 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,2-Dichloroethane | ND | | 5.0 | 1.1 | ug/L | | | 11/16/21 01:41 | 5 |
| 1,2-Dichloropropane | ND | | 5.0 | 3.6 | ug/L | | | 11/16/21 01:41 | 5 |
| **1,3-Dichlorobenzene** | **130** | | 5.0 | 3.9 | ug/L | | | 11/16/21 01:41 | 5 |
| **1,4-Dichlorobenzene** | **21** | | 5.0 | 4.2 | ug/L | | | 11/16/21 01:41 | 5 |
| 2-Butanone (MEK) | ND | | 50 | 6.6 | ug/L | | | 11/16/21 01:41 | 5 |
| 2-Hexanone | ND | | 25 | 6.2 | ug/L | | | 11/16/21 01:41 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 11 | ug/L | | | 11/16/21 01:41 | 5 |
| Acetone | ND | | 50 | 15 | ug/L | | | 11/16/21 01:41 | 5 |
| Benzene | ND | | 5.0 | 2.1 | ug/L | | | 11/16/21 01:41 | 5 |
| Bromodichloromethane | ND | | 5.0 | 2.0 | ug/L | | | 11/16/21 01:41 | 5 |
| Bromoform | ND | | 5.0 | 1.3 | ug/L | | | 11/16/21 01:41 | 5 |
| Bromomethane | ND | | 5.0 | 3.5 | ug/L | | | 11/16/21 01:41 | 5 |
| Carbon disulfide | ND | | 5.0 | 0.95 | ug/L | | | 11/16/21 01:41 | 5 |
| Carbon tetrachloride | ND | | 5.0 | 1.4 | ug/L | | | 11/16/21 01:41 | 5 |
| **Chlorobenzene** | **22** | | 5.0 | 3.8 | ug/L | | | 11/16/21 01:41 | 5 |
| Chloroethane | ND | | 5.0 | 1.6 | ug/L | | | 11/16/21 01:41 | 5 |
| Chloroform | ND | | 5.0 | 1.7 | ug/L | | | 11/16/21 01:41 | 5 |
| Chloromethane | ND | | 5.0 | 1.8 | ug/L | | | 11/16/21 01:41 | 5 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 4.1 | ug/L | | | 11/16/21 01:41 | 5 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.8 | ug/L | | | 11/16/21 01:41 | 5 |
| Cyclohexane | ND | | 5.0 | 0.90 | ug/L | | | 11/16/21 01:41 | 5 |
| Dibromochloromethane | ND | | 5.0 | 1.6 | ug/L | | | 11/16/21 01:41 | 5 |
| Dichlorodifluoromethane | ND | | 5.0 | 3.4 | ug/L | | | 11/16/21 01:41 | 5 |
| Ethylbenzene | ND | | 5.0 | 3.7 | ug/L | | | 11/16/21 01:41 | 5 |
| Isopropylbenzene | ND | | 5.0 | 4.0 | ug/L | | | 11/16/21 01:41 | 5 |
| Methyl acetate | ND | | 13 | 6.5 | ug/L | | | 11/16/21 01:41 | 5 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.80 | ug/L | | | 11/16/21 01:41 | 5 |
| Methylcyclohexane | ND | | 5.0 | 0.80 | ug/L | | | 11/16/21 01:41 | 5 |
| Methylene Chloride | ND | | 5.0 | 2.2 | ug/L | | | 11/16/21 01:41 | 5 |
| Styrene | ND | | 5.0 | 3.7 | ug/L | | | 11/16/21 01:41 | 5 |
| Tetrachloroethene | ND | | 5.0 | 1.8 | ug/L | | | 11/16/21 01:41 | 5 |
| Toluene | ND | | 5.0 | 2.6 | ug/L | | | 11/16/21 01:41 | 5 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 4.5 | ug/L | | | 11/16/21 01:41 | 5 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.9 | ug/L | | | 11/16/21 01:41 | 5 |
| Trichloroethene | ND | | 5.0 | 2.3 | ug/L | | | 11/16/21 01:41 | 5 |
| Trichlorofluoromethane | ND | | 5.0 | 4.4 | ug/L | | | 11/16/21 01:41 | 5 |
| Vinyl chloride | ND | | 5.0 | 4.5 | ug/L | | | 11/16/21 01:41 | 5 |
| Xylenes, Total | ND | | 10 | 3.3 | ug/L | | | 11/16/21 01:41 | 5 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-31_1121

**Date Collected: 11/08/21 11:30**
**Date Received: 11/09/21 15:40**

## Lab Sample ID: 480-192048-1

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *107* | | *77 - 120* | | *11/16/21 01:41* | *5* |
| *4-Bromofluorobenzene (Surr)* | *110* | | *73 - 120* | | *11/16/21 01:41* | *5* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *11/16/21 01:41* | *5* |
| *Dibromofluoromethane (Surr)* | *115* | | *75 - 123* | | *11/16/21 01:41* | *5* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **2,4,5-Trichlorophenol** | **1.4** | **J** | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| **2,4-Dichlorophenol** | **2.1** | **J** | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| **2-Chlorophenol** | **0.53** | **J** | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |

## Client Sample ID: BCC Area C RFI-31_1121

**Lab Sample ID: 480-192048-1**

**Date Collected: 11/08/21 11:30**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

### 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 | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 11:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *107* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |
| *2-Fluorobiphenyl* | *112* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |
| *2-Fluorophenol* | *77* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |
| *Nitrobenzene-d5* | *79* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |
| *Phenol-d5* | *41* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |
| *p-Terphenyl-d14* | *84* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 11:44* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 12:17 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Barium** | **0.023** | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 12:17 | 1 |
| **Calcium** | **289** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Chromium** | **0.0014** | **J** | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Copper** | **0.0041** | **J** | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Iron** | **0.20** | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Lead** | **0.0035** | **J** | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Magnesium** | **31.8** | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Manganese** | **0.032** | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Nickel** | **0.0058** | **J** | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Potassium** | **9.6** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-31_1121

**Lab Sample ID: 480-192048-1**

**Date Collected: 11/08/21 11:30**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Sodium** | **1680** | | 5.0 | 1.6 | mg/L | | 11/11/21 09:35 | 11/12/21 12:21 | 5 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Vanadium** | **0.0023** | **J** | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |
| **Zinc** | **0.019** | | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:05 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/11/21 13:10 | 11/11/21 16:41 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04_1121

**Lab Sample ID: 480-192048-2**

**Date Collected: 11/08/21 11:40**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 8.0 | 6.6 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,1,2,2-Tetrachloroethane | ND | | 8.0 | 1.7 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 8.0 | 2.5 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,1,2-Trichloroethane | ND | | 8.0 | 1.8 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,1-Dichloroethane | ND | | 8.0 | 3.0 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,1-Dichloroethene | ND | | 8.0 | 2.3 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2,4-Trichlorobenzene | ND | | 8.0 | 3.3 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2-Dibromo-3-Chloropropane | ND | | 8.0 | 3.1 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2-Dibromoethane | ND | | 8.0 | 5.8 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2-Dichlorobenzene | ND | | 8.0 | 6.3 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2-Dichloroethane | ND | | 8.0 | 1.7 | ug/L | | | 11/16/21 02:04 | 8 |
| 1,2-Dichloropropane | ND | | 8.0 | 5.8 | ug/L | | | 11/16/21 02:04 | 8 |
| **1,3-Dichlorobenzene** | **12** | | 8.0 | 6.2 | ug/L | | | 11/16/21 02:04 | 8 |
| **1,4-Dichlorobenzene** | **21** | | 8.0 | 6.7 | ug/L | | | 11/16/21 02:04 | 8 |
| 2-Butanone (MEK) | ND | | 80 | 11 | ug/L | | | 11/16/21 02:04 | 8 |
| 2-Hexanone | ND | | 40 | 9.9 | ug/L | | | 11/16/21 02:04 | 8 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 40 | 17 | ug/L | | | 11/16/21 02:04 | 8 |
| Acetone | ND | | 80 | 24 | ug/L | | | 11/16/21 02:04 | 8 |
| Benzene | ND | | 8.0 | 3.3 | ug/L | | | 11/16/21 02:04 | 8 |
| Bromodichloromethane | ND | | 8.0 | 3.1 | ug/L | | | 11/16/21 02:04 | 8 |
| Bromoform | ND | | 8.0 | 2.1 | ug/L | | | 11/16/21 02:04 | 8 |
| Bromomethane | ND | | 8.0 | 5.5 | ug/L | | | 11/16/21 02:04 | 8 |
| Carbon disulfide | ND | | 8.0 | 1.5 | ug/L | | | 11/16/21 02:04 | 8 |
| Carbon tetrachloride | ND | | 8.0 | 2.2 | ug/L | | | 11/16/21 02:04 | 8 |
| **Chlorobenzene** | **140** | | 8.0 | 6.0 | ug/L | | | 11/16/21 02:04 | 8 |
| Chloroethane | ND | | 8.0 | 2.6 | ug/L | | | 11/16/21 02:04 | 8 |
| Chloroform | ND | | 8.0 | 2.7 | ug/L | | | 11/16/21 02:04 | 8 |
| Chloromethane | ND | | 8.0 | 2.8 | ug/L | | | 11/16/21 02:04 | 8 |
| cis-1,2-Dichloroethene | ND | | 8.0 | 6.5 | ug/L | | | 11/16/21 02:04 | 8 |
| cis-1,3-Dichloropropene | ND | | 8.0 | 2.9 | ug/L | | | 11/16/21 02:04 | 8 |
| Cyclohexane | ND | | 8.0 | 1.4 | ug/L | | | 11/16/21 02:04 | 8 |
| Dibromochloromethane | ND | | 8.0 | 2.6 | ug/L | | | 11/16/21 02:04 | 8 |
| Dichlorodifluoromethane | ND | | 8.0 | 5.4 | ug/L | | | 11/16/21 02:04 | 8 |
| Ethylbenzene | ND | | 8.0 | 5.9 | ug/L | | | 11/16/21 02:04 | 8 |
| Isopropylbenzene | ND | | 8.0 | 6.3 | ug/L | | | 11/16/21 02:04 | 8 |
| Methyl acetate | ND | | 20 | 10 | ug/L | | | 11/16/21 02:04 | 8 |
| Methyl tert-butyl ether | ND | | 8.0 | 1.3 | ug/L | | | 11/16/21 02:04 | 8 |
| Methylcyclohexane | ND | | 8.0 | 1.3 | ug/L | | | 11/16/21 02:04 | 8 |
| Methylene Chloride | ND | | 8.0 | 3.5 | ug/L | | | 11/16/21 02:04 | 8 |
| Styrene | ND | | 8.0 | 5.8 | ug/L | | | 11/16/21 02:04 | 8 |
| Tetrachloroethene | ND | | 8.0 | 2.9 | ug/L | | | 11/16/21 02:04 | 8 |
| Toluene | ND | | 8.0 | 4.1 | ug/L | | | 11/16/21 02:04 | 8 |
| trans-1,2-Dichloroethene | ND | | 8.0 | 7.2 | ug/L | | | 11/16/21 02:04 | 8 |
| trans-1,3-Dichloropropene | ND | | 8.0 | 3.0 | ug/L | | | 11/16/21 02:04 | 8 |
| Trichloroethene | ND | | 8.0 | 3.7 | ug/L | | | 11/16/21 02:04 | 8 |
| Trichlorofluoromethane | ND | | 8.0 | 7.0 | ug/L | | | 11/16/21 02:04 | 8 |
| Vinyl chloride | ND | | 8.0 | 7.2 | ug/L | | | 11/16/21 02:04 | 8 |
| Xylenes, Total | ND | | 16 | 5.3 | ug/L | | | 11/16/21 02:04 | 8 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04_1121

**Lab Sample ID: 480-192048-2**

**Date Collected: 11/08/21 11:40**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *77 - 120* | | *11/16/21 02:04* | *8* |
| *4-Bromofluorobenzene (Surr)* | *117* | | *73 - 120* | | *11/16/21 02:04* | *8* |
| *Toluene-d8 (Surr)* | *105* | | *80 - 120* | | *11/16/21 02:04* | *8* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 123* | | *11/16/21 02:04* | *8* |

### 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 | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2,4,6-Trichlorophenol | ND | F1 | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| **2,4-Dichlorophenol** | **0.92** | **J** | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2,4-Dinitrophenol | ND | F2 | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| **2-Chlorophenol** | **0.66** | **J** | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Bromophenyl phenyl ether | ND | F2 | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| **Aniline** | **0.80** | **J** | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Anthracene | ND | F2 | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Atrazine | ND | F2 F1 | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzo(a)anthracene | ND | F2 | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzo(a)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzo(b)fluoranthene | ND | F2 | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzo(g,h,i)perylene | ND | F2 | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Benzo(k)fluoranthene | ND | F2 | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| **Butyl benzyl phthalate** | **1.0** | **J F2** | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Carbazole | ND | F2 | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |

## Client Sample ID: BCC Area C MW-C04_1121

**Lab Sample ID: 480-192048-2**

**Date Collected: 11/08/21 11:40**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chrysene | ND | F2 | 5.0 | 0.33 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Dibenz(a,h)anthracene | ND | F2 | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Dibenzofuran | ND | F2 | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Dimethyl phthalate | ND | F2 | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Di-n-butyl phthalate | ND | F2 | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Di-n-octyl phthalate | ND | F2 | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Fluoranthene | ND | F2 | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Hexachlorobenzene | ND | F2 | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| **N-Nitrosodiphenylamine** | **0.71** | **J F2** | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Phenanthrene | ND | F2 | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 03:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *113* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |
| *2-Fluorobiphenyl* | *96* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |
| *2-Fluorophenol* | *60* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |
| *Nitrobenzene-d5* | *77* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |
| *Phenol-d5* | *46* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |
| *p-Terphenyl-d14* | *63* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 03:58* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.082** | **J** | 0.20 | 0.060 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 12:25 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Barium** | **0.45** | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 12:25 | 1 |
| **Calcium** | **251** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Chromium** | **0.0012** | **J** | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Copper** | **0.0051** | **J** | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Iron** | **5.9** | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Magnesium** | **36.4** | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Manganese** | **0.91** | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Nickel** | **0.0013** | **J** | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Potassium** | **12.8** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04_1121

**Lab Sample ID: 480-192048-2**

**Date Collected: 11/08/21 11:40**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Sodium** | **134** | | 1.0 | 0.32 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |
| **Zinc** | **0.011** | | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:09 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/12/21 08:45 | 11/12/21 11:57 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-20_1121

**Lab Sample ID: 480-192048-3**

**Date Collected: 11/08/21 09:01**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

### 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 | | | 11/16/21 02:27 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 11/16/21 02:27 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 11/16/21 02:27 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 11/16/21 02:27 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 11/16/21 02:27 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 11/16/21 02:27 | 1 |
| **Acetone** | **7.4** | **J** | 10 | 3.0 | ug/L | | | 11/16/21 02:27 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 02:27 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 02:27 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 11/16/21 02:27 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 11/16/21 02:27 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 11/16/21 02:27 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 11/16/21 02:27 | 1 |
| **Chlorobenzene** | **3.1** | | 1.0 | 0.75 | ug/L | | | 11/16/21 02:27 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 02:27 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 11/16/21 02:27 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 11/16/21 02:27 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 11/16/21 02:27 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 02:27 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 11/16/21 02:27 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 02:27 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 11/16/21 02:27 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 11/16/21 02:27 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 02:27 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 11/16/21 02:27 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 02:27 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 02:27 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 11/16/21 02:27 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 02:27 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 02:27 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 11/16/21 02:27 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 02:27 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 11/16/21 02:27 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/16/21 02:27 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 11/16/21 02:27 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 02:27 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 11/16/21 02:27 | 1 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-20_1121

**Date Collected: 11/08/21 09:01**
**Date Received: 11/09/21 15:40**

## Lab Sample ID: 480-192048-3

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *77 - 120* | | *11/16/21 02:27* | *1* |
| *4-Bromofluorobenzene (Surr)* | *111* | | *73 - 120* | | *11/16/21 02:27* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* | | *11/16/21 02:27* | *1* |
| *Dibromofluoromethane (Surr)* | *106* | | *75 - 123* | | *11/16/21 02:27* | *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 | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-20_1121

**Lab Sample ID: 480-192048-3**

**Date Collected: 11/08/21 09:01**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

### 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 | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| **Di-n-butyl phthalate** | **0.42** | **J** | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 05:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *107* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 05:49* | *1* |
| *2-Fluorobiphenyl* | *119* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 05:49* | *1* |
| *2-Fluorophenol* | *77* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 05:49* | *1* |
| *Nitrobenzene-d5* | *100* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 05:49* | *1* |
| *Phenol-d5* | *60* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 05:49* | *1* |
| *p-Terphenyl-d14* | *89* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 05:49* | *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 | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 12:56 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Barium** | **0.055** | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 12:56 | 1 |
| **Calcium** | **216** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Chromium** | **0.0049** | | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Cobalt** | **0.00096** | **J** | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Copper** | **0.0050** | **J** | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Iron** | **0.68** | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Magnesium** | **19.9** | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Manganese** | **0.26** | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Nickel** | **0.0061** | **J** | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Potassium** | **11.1** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-20_1121

**Lab Sample ID: 480-192048-3**

**Date Collected: 11/08/21 09:01**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Sodium** | **68.3** | | 1.0 | 0.32 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Vanadium** | **0.012** | | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |
| **Zinc** | **0.046** | | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:40 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/12/21 08:45 | 11/12/21 12:02 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C PS-05A_1121

**Lab Sample ID: 480-192048-4**

**Date Collected: 11/08/21 10:05**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.0 | 3.3 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2,4-Trichlorobenzene | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2-Dichlorobenzene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,3-Dichlorobenzene | ND | | 4.0 | 3.1 | ug/L | | | 11/16/21 02:50 | 4 |
| 1,4-Dichlorobenzene | ND | | 4.0 | 3.4 | ug/L | | | 11/16/21 02:50 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 11/16/21 02:50 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 11/16/21 02:50 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 11/16/21 02:50 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 11/16/21 02:50 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 02:50 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 02:50 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 11/16/21 02:50 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 11/16/21 02:50 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 11/16/21 02:50 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 11/16/21 02:50 | 4 |
| **Chlorobenzene** | **61** | | 4.0 | 3.0 | ug/L | | | 11/16/21 02:50 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 11/16/21 02:50 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 02:50 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 02:50 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 02:50 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 02:50 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 11/16/21 02:50 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 11/16/21 02:50 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 11/16/21 02:50 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 11/16/21 02:50 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 02:50 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 11/16/21 02:50 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 11/16/21 02:50 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 11/16/21 02:50 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 11/16/21 02:50 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 02:50 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 02:50 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 11/16/21 02:50 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 11/16/21 02:50 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 11/16/21 02:50 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 11/16/21 02:50 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 11/16/21 02:50 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 11/16/21 02:50 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 11/16/21 02:50 | 4 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C PS-05A_1121

**Lab Sample ID: 480-192048-4**

**Date Collected: 11/08/21 10:05**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *77 - 120* | | *11/16/21 02:50* | *4* |
| *4-Bromofluorobenzene (Surr)* | *109* | | *73 - 120* | | *11/16/21 02:50* | *4* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* | | *11/16/21 02:50* | *4* |
| *Dibromofluoromethane (Surr)* | *106* | | *75 - 123* | | *11/16/21 02:50* | *4* |

### 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 | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| **2-Chlorophenol** | **0.56** | **J** | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |

## Client Sample ID: BCC Area C PS-05A_1121

**Lab Sample ID: 480-192048-4**

**Date Collected: 11/08/21 10:05**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

### 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 | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 06:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *93* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |
| *2-Fluorobiphenyl* | *100* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |
| *2-Fluorophenol* | *66* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |
| *Nitrobenzene-d5* | *83* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |
| *Phenol-d5* | *50* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |
| *p-Terphenyl-d14* | *80* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 06:16* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.12** | **J** | 0.20 | 0.060 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 12:59 | 1 |
| **Arsenic** | **0.024** | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Barium** | **0.053** | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 12:59 | 1 |
| **Calcium** | **116** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Chromium** | **0.0012** | **J** | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Copper** | **0.0044** | **J** | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Iron** | **1.0** | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Magnesium** | **28.1** | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Manganese** | **0.034** | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Nickel** | **0.0028** | **J** | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Potassium** | **7.0** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C PS-05A_1121

**Lab Sample ID: 480-192048-4**

**Date Collected: 11/08/21 10:05**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Sodium** | **45.6** | | 1.0 | 0.32 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Vanadium** | **0.0026** | **J** | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |
| **Zinc** | **0.0042** | **J** | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:44 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/12/21 08:45 | 11/12/21 12:03 | 1 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04 D_1121

**Lab Sample ID: 480-192048-5**

**Date Collected: 11/08/21 11:50**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 4.0 | 3.3 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2,4-Trichlorobenzene | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2-Dichlorobenzene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 11/16/21 03:13 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 03:13 | 4 |
| **1,3-Dichlorobenzene** | **11** | | 4.0 | 3.1 | ug/L | | | 11/16/21 03:13 | 4 |
| **1,4-Dichlorobenzene** | **22** | | 4.0 | 3.4 | ug/L | | | 11/16/21 03:13 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 11/16/21 03:13 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 11/16/21 03:13 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 11/16/21 03:13 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 11/16/21 03:13 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 03:13 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 11/16/21 03:13 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 11/16/21 03:13 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 11/16/21 03:13 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 11/16/21 03:13 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 11/16/21 03:13 | 4 |
| **Chlorobenzene** | **150** | | 4.0 | 3.0 | ug/L | | | 11/16/21 03:13 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 11/16/21 03:13 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 03:13 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 03:13 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 03:13 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 03:13 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 11/16/21 03:13 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 11/16/21 03:13 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 11/16/21 03:13 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 11/16/21 03:13 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 11/16/21 03:13 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 11/16/21 03:13 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 11/16/21 03:13 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 11/16/21 03:13 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 11/16/21 03:13 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 11/16/21 03:13 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 11/16/21 03:13 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 11/16/21 03:13 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 11/16/21 03:13 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 11/16/21 03:13 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 11/16/21 03:13 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 11/16/21 03:13 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 11/16/21 03:13 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 11/16/21 03:13 | 4 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04 D_1121

**Lab Sample ID: 480-192048-5**

**Date Collected: 11/08/21 11:50**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *110* | | *77 - 120* | | *11/16/21 03:13* | *4* |
| *4-Bromofluorobenzene (Surr)* | *112* | | *73 - 120* | | *11/16/21 03:13* | *4* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* | | *11/16/21 03:13* | *4* |
| *Dibromofluoromethane (Surr)* | *105* | | *75 - 123* | | *11/16/21 03:13* | *4* |

### 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 | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| **2,4-Dichlorophenol** | **0.93** | **J** | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| **2-Chlorophenol** | **0.84** | **J** | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |

## Client Sample ID: BCC Area C MW-C04 D_1121

**Lab Sample ID: 480-192048-5**

**Date Collected: 11/08/21 11:50**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

### 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 | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| **N-Nitrosodiphenylamine** | **0.79** | **J** | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 06:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *97* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |
| *2-Fluorobiphenyl* | *115* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |
| *2-Fluorophenol* | *77* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |
| *Nitrobenzene-d5* | *93* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |
| *Phenol-d5* | *58* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |
| *p-Terphenyl-d14* | *62* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 06:43* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.078** | **J** | 0.20 | 0.060 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 13:03 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Barium** | **0.43** | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 13:03 | 1 |
| **Calcium** | **249** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Copper** | **0.0044** | **J** | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Iron** | **5.8** | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Magnesium** | **36.4** | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Manganese** | **0.91** | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Potassium** | **12.6** | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C MW-C04 D_1121

**Lab Sample ID: 480-192048-5**

**Date Collected: 11/08/21 11:50**

**Matrix: Ground Water**

**Date Received: 11/09/21 15:40**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Sodium** | **134** | | 1.0 | 0.32 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |
| **Zinc** | **0.011** | | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 03:47 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/12/21 08:45 | 11/12/21 12:05 | 1 |

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

Job ID: 480-192048-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-192048-6**

**Date Collected: 11/08/21 00:00**

**Matrix: Water**

**Date Received: 11/09/21 15:40**

### 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 | | | 11/16/21 03:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 11/16/21 03:36 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 11/16/21 03:36 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 11/16/21 03:36 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 11/16/21 03:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 11/16/21 03:36 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 11/16/21 03:36 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 03:36 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 03:36 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 11/16/21 03:36 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 11/16/21 03:36 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 11/16/21 03:36 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 11/16/21 03:36 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 11/16/21 03:36 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 03:36 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 11/16/21 03:36 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 11/16/21 03:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 11/16/21 03:36 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 03:36 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 11/16/21 03:36 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 03:36 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 11/16/21 03:36 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 11/16/21 03:36 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 03:36 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 11/16/21 03:36 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 03:36 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 03:36 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 11/16/21 03:36 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 03:36 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 03:36 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 11/16/21 03:36 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 03:36 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 11/16/21 03:36 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/16/21 03:36 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 11/16/21 03:36 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 03:36 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 11/16/21 03:36 | 1 |

# Client Sample Results

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

Job ID: 480-192048-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-192048-6**

**Date Collected: 11/08/21 00:00**

**Matrix: Water**

**Date Received: 11/09/21 15:40**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 77 - 120 | | 11/16/21 03:36 | 1 |
| 4-Bromofluorobenzene (Surr) | 112 | | 73 - 120 | | 11/16/21 03:36 | 1 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 | | 11/16/21 03:36 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 75 - 123 | | 11/16/21 03:36 | 1 |

# Surrogate Summary

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

Job ID: 480-192048-1

## 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) |
| 480-192048-1 | BCC Area C RFI-31_1121 | 107 | 110 | 100 | 115 |
| 480-192048-2 | BCC Area C MW-C04_1121 | 104 | 117 | 105 | 103 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | 102 | 112 | 103 | 109 |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | 105 | 110 | 102 | 108 |
| 480-192048-3 | BCC Area C RFI-20_1121 | 103 | 111 | 103 | 106 |
| 480-192048-4 | BCC Area C PS-05A_1121 | 104 | 109 | 102 | 106 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | 110 | 112 | 102 | 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) |
| 480-192048-6 | TRIP BLANK | 104 | 112 | 104 | 108 |
| LCS 480-605040/6 | Lab Control Sample | 101 | 114 | 101 | 107 |
| MB 480-605040/8 | Method Blank | 110 | 112 | 107 | 118 |

**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) |
| 480-192048-1 | BCC Area C RFI-31_1121 | 107 | 112 | 77 | 79 | 41 | 84 |
| 480-192048-2 | BCC Area C MW-C04_1121 | 113 | 96 | 60 | 77 | 46 | 63 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | 107 | 110 | 78 | 96 | 62 | 54 S1- |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | 90 | 97 | 64 | 84 | 52 | 41 S1- |
| 480-192048-3 | BCC Area C RFI-20_1121 | 107 | 119 | 77 | 100 | 60 | 89 |
| 480-192048-4 | BCC Area C PS-05A_1121 | 93 | 100 | 66 | 83 | 50 | 80 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | 97 | 115 | 77 | 93 | 58 | 62 |

**Surrogate Legend**

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

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-192048-1
Project/Site: Buffalo Color GWTF Area C Wells

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 480-604323/2-A | Lab Control Sample | 90 | 91 | 65 | 77 | 50 | 90 |
| MB 480-604323/1-A | Method Blank | 100 | 120 | 80 | 100 | 62 | 119 |

**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 480-605040/8**
**Matrix: Water**
**Analysis Batch: 605040**

**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 | | | 11/16/21 00:55 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 11/16/21 00:55 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 11/16/21 00:55 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 11/16/21 00:55 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 11/16/21 00:55 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 11/16/21 00:55 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 11/16/21 00:55 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 11/16/21 00:55 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 11/16/21 00:55 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 11/16/21 00:55 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 11/16/21 00:55 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 11/16/21 00:55 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 11/16/21 00:55 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 11/16/21 00:55 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 00:55 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 11/16/21 00:55 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 11/16/21 00:55 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 11/16/21 00:55 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 00:55 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 11/16/21 00:55 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 11/16/21 00:55 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 11/16/21 00:55 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 11/16/21 00:55 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 11/16/21 00:55 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 11/16/21 00:55 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 00:55 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 11/16/21 00:55 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 11/16/21 00:55 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 11/16/21 00:55 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 11/16/21 00:55 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 11/16/21 00:55 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 00:55 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 11/16/21 00:55 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 11/16/21 00:55 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 11/16/21 00:55 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 11/16/21 00:55 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 11/16/21 00:55 | 1 |

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

**Lab Sample ID: MB 480-605040/8**
**Matrix: Water**
**Analysis Batch: 605040**

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

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 77 - 120 | | 11/16/21 00:55 | 1 |
| 4-Bromofluorobenzene (Surr) | 112 | | 73 - 120 | | 11/16/21 00:55 | 1 |
| Toluene-d8 (Surr) | 107 | | 80 - 120 | | 11/16/21 00:55 | 1 |
| Dibromofluoromethane (Surr) | 118 | | 75 - 123 | | 11/16/21 00:55 | 1 |

**Lab Sample ID: LCS 480-605040/6**
**Matrix: Water**
**Analysis Batch: 605040**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 25.0 | 27.0 | | ug/L | | 108 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.5 | | ug/L | | 98 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 26.7 | | ug/L | | 107 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 25.9 | | ug/L | | 104 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 25.2 | | ug/L | | 101 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 25.0 | | ug/L | | 100 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 25.5 | | ug/L | | 102 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.2 | | ug/L | | 97 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 25.4 | | ug/L | | 102 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 25.4 | | ug/L | | 102 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 24.7 | | ug/L | | 99 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 23.7 | | ug/L | | 95 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 25.3 | | ug/L | | 101 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 26.3 | | ug/L | | 105 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 125 | | ug/L | | 100 | 57 - 140 |
| 2-Hexanone | 125 | 122 | | ug/L | | 97 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 119 | | ug/L | | 95 | 71 - 125 |
| Acetone | 125 | 115 | | ug/L | | 92 | 56 - 142 |
| Benzene | 25.0 | 24.8 | | ug/L | | 99 | 71 - 124 |
| Bromodichloromethane | 25.0 | 27.1 | | ug/L | | 108 | 80 - 122 |
| Bromoform | 25.0 | 27.5 | | ug/L | | 110 | 61 - 132 |
| Bromomethane | 25.0 | 21.5 | | ug/L | | 86 | 55 - 144 |
| Carbon disulfide | 25.0 | 21.5 | | ug/L | | 86 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 29.0 | | ug/L | | 116 | 72 - 134 |
| Chlorobenzene | 25.0 | 26.0 | | ug/L | | 104 | 80 - 120 |
| Chloroethane | 25.0 | 20.4 | | ug/L | | 82 | 69 - 136 |
| Chloroform | 25.0 | 24.8 | | ug/L | | 99 | 73 - 127 |
| Chloromethane | 25.0 | 20.5 | | ug/L | | 82 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 25.3 | | ug/L | | 101 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 25.2 | | ug/L | | 101 | 74 - 124 |
| Cyclohexane | 25.0 | 25.7 | | ug/L | | 103 | 59 - 135 |
| Dibromochloromethane | 25.0 | 27.5 | | ug/L | | 110 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 23.6 | | ug/L | | 95 | 59 - 135 |
| Ethylbenzene | 25.0 | 25.9 | | ug/L | | 104 | 77 - 123 |
| Isopropylbenzene | 25.0 | 25.0 | | ug/L | | 100 | 77 - 122 |
| Methyl acetate | 50.0 | 46.3 | | ug/L | | 93 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 25.9 | | ug/L | | 104 | 77 - 120 |
| Methylcyclohexane | 25.0 | 25.7 | | ug/L | | 103 | 68 - 134 |

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

**Lab Sample ID: LCS 480-605040/6**
**Matrix: Water**
**Analysis Batch: 605040**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 25.0 | 27.4 | | ug/L | | 110 | 75 - 124 |
| Styrene | 25.0 | 26.4 | | ug/L | | 106 | 80 - 120 |
| Tetrachloroethene | 25.0 | 27.3 | | ug/L | | 109 | 74 - 122 |
| Toluene | 25.0 | 25.9 | | ug/L | | 103 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 25.7 | | ug/L | | 103 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 25.0 | | ug/L | | 100 | 80 - 120 |
| Trichloroethene | 25.0 | 26.3 | | ug/L | | 105 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 25.1 | | ug/L | | 100 | 62 - 150 |
| Vinyl chloride | 25.0 | 21.7 | | ug/L | | 87 | 65 - 133 |
| Xylenes, Total | 50.0 | 53.1 | | ug/L | | 106 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *114* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *107* | | *75 - 123* |

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 605040**

**Client Sample ID: BCC Area C MW-C04 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 | | 200 | 223 | | ug/L | | 112 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | ND | | 200 | 198 | | ug/L | | 99 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 200 | 209 | | ug/L | | 104 | 61 - 148 |
| 1,1,2-Trichloroethane | ND | | 200 | 205 | | ug/L | | 102 | 76 - 122 |
| 1,1-Dichloroethane | ND | | 200 | 204 | | ug/L | | 102 | 77 - 120 |
| 1,1-Dichloroethene | ND | | 200 | 200 | | ug/L | | 100 | 66 - 127 |
| 1,2,4-Trichlorobenzene | ND | | 200 | 202 | | ug/L | | 101 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | ND | | 200 | 184 | | ug/L | | 92 | 56 - 134 |
| 1,2-Dibromoethane | ND | | 200 | 211 | | ug/L | | 106 | 77 - 120 |
| 1,2-Dichlorobenzene | ND | | 200 | 202 | | ug/L | | 101 | 80 - 124 |
| 1,2-Dichloroethane | ND | | 200 | 201 | | ug/L | | 100 | 75 - 120 |
| 1,2-Dichloropropane | ND | | 200 | 201 | | ug/L | | 100 | 76 - 120 |
| 1,3-Dichlorobenzene | 12 | | 200 | 218 | | ug/L | | 103 | 77 - 120 |
| 1,4-Dichlorobenzene | 21 | | 200 | 229 | | ug/L | | 104 | 78 - 124 |
| 2-Butanone (MEK) | ND | | 1000 | 951 | | ug/L | | 95 | 57 - 140 |
| 2-Hexanone | ND | | 1000 | 962 | | ug/L | | 96 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1000 | 950 | | ug/L | | 95 | 71 - 125 |
| Acetone | ND | | 1000 | 829 | | ug/L | | 83 | 56 - 142 |
| Benzene | ND | | 200 | 208 | | ug/L | | 104 | 71 - 124 |
| Bromodichloromethane | ND | | 200 | 209 | | ug/L | | 105 | 80 - 122 |
| Bromoform | ND | | 200 | 189 | | ug/L | | 94 | 61 - 132 |
| Bromomethane | ND | | 200 | 174 | | ug/L | | 87 | 55 - 144 |
| Carbon disulfide | ND | | 200 | 163 | | ug/L | | 82 | 59 - 134 |
| Carbon tetrachloride | ND | | 200 | 227 | | ug/L | | 114 | 72 - 134 |
| Chlorobenzene | 140 | | 200 | 330 | | ug/L | | 94 | 80 - 120 |
| Chloroethane | ND | | 200 | 161 | | ug/L | | 80 | 69 - 136 |

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

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 605040**

**Client Sample ID: BCC Area C MW-C04 MS_1121**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | | 200 | 204 | | ug/L | | 102 | 73 - 127 |
| Chloromethane | ND | | 200 | 174 | | ug/L | | 87 | 68 - 124 |
| cis-1,2-Dichloroethene | ND | | 200 | 207 | | ug/L | | 104 | 74 - 124 |
| cis-1,3-Dichloropropene | ND | | 200 | 190 | | ug/L | | 95 | 74 - 124 |
| Cyclohexane | ND | | 200 | 217 | | ug/L | | 109 | 59 - 135 |
| Dibromochloromethane | ND | | 200 | 208 | | ug/L | | 104 | 75 - 125 |
| Dichlorodifluoromethane | ND | | 200 | 224 | | ug/L | | 112 | 59 - 135 |
| Ethylbenzene | ND | | 200 | 215 | | ug/L | | 108 | 77 - 123 |
| Isopropylbenzene | ND | | 200 | 203 | | ug/L | | 102 | 77 - 122 |
| Methyl acetate | ND | | 400 | 362 | | ug/L | | 91 | 74 - 133 |
| Methyl tert-butyl ether | ND | | 200 | 201 | | ug/L | | 101 | 77 - 120 |
| Methylcyclohexane | ND | | 200 | 209 | | ug/L | | 105 | 68 - 134 |
| Methylene Chloride | ND | | 200 | 218 | | ug/L | | 109 | 75 - 124 |
| Styrene | ND | | 200 | 218 | | ug/L | | 109 | 80 - 120 |
| Tetrachloroethene | ND | | 200 | 222 | | ug/L | | 111 | 74 - 122 |
| Toluene | ND | | 200 | 213 | | ug/L | | 106 | 80 - 122 |
| trans-1,2-Dichloroethene | ND | | 200 | 215 | | ug/L | | 108 | 73 - 127 |
| trans-1,3-Dichloropropene | ND | | 200 | 182 | | ug/L | | 91 | 80 - 120 |
| Trichloroethene | ND | | 200 | 222 | | ug/L | | 111 | 74 - 123 |
| Trichlorofluoromethane | ND | | 200 | 203 | | ug/L | | 101 | 62 - 150 |
| Vinyl chloride | ND | | 200 | 178 | | ug/L | | 89 | 65 - 133 |
| Xylenes, Total | ND | | 400 | 435 | | ug/L | | 109 | 76 - 122 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *112* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *109* | | *75 - 123* |

**Lab Sample ID: 480-192048-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 605040**

**Client Sample ID: BCC Area C MW-C04 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 | | 200 | 221 | | ug/L | | 110 | 73 - 126 | 1 | 15 |
| 1,1,2,2-Tetrachloroethane | ND | | 200 | 201 | | ug/L | | 100 | 76 - 120 | 1 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | ND | | 200 | 206 | | ug/L | | 103 | 61 - 148 | 1 | 20 |
| 1,1,2-Trichloroethane | ND | | 200 | 204 | | ug/L | | 102 | 76 - 122 | 0 | 15 |
| 1,1-Dichloroethane | ND | | 200 | 204 | | ug/L | | 102 | 77 - 120 | 0 | 20 |
| 1,1-Dichloroethene | ND | | 200 | 195 | | ug/L | | 97 | 66 - 127 | 3 | 16 |
| 1,2,4-Trichlorobenzene | ND | | 200 | 206 | | ug/L | | 103 | 79 - 122 | 2 | 20 |
| 1,2-Dibromo-3-Chloropropane | ND | | 200 | 185 | | ug/L | | 93 | 56 - 134 | 1 | 15 |
| 1,2-Dibromoethane | ND | | 200 | 211 | | ug/L | | 106 | 77 - 120 | 0 | 15 |
| 1,2-Dichlorobenzene | ND | | 200 | 206 | | ug/L | | 103 | 80 - 124 | 2 | 20 |
| 1,2-Dichloroethane | ND | | 200 | 199 | | ug/L | | 99 | 75 - 120 | 1 | 20 |
| 1,2-Dichloropropane | ND | | 200 | 197 | | ug/L | | 98 | 76 - 120 | 2 | 20 |
| 1,3-Dichlorobenzene | 12 | | 200 | 215 | | ug/L | | 102 | 77 - 120 | 1 | 20 |
| 1,4-Dichlorobenzene | 21 | | 200 | 225 | | ug/L | | 102 | 78 - 124 | 2 | 20 |

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

**Lab Sample ID: 480-192048-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 605040**

**Client Sample ID: BCC Area C MW-C04 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 | | 1000 | 953 | | ug/L | | 95 | 57 - 140 | 0 | 20 |
| 2-Hexanone | ND | | 1000 | 960 | | ug/L | | 96 | 65 - 127 | 0 | 15 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1000 | 944 | | ug/L | | 94 | 71 - 125 | 1 | 35 |
| Acetone | ND | | 1000 | 848 | | ug/L | | 85 | 56 - 142 | 2 | 15 |
| Benzene | ND | | 200 | 206 | | ug/L | | 103 | 71 - 124 | 1 | 13 |
| Bromodichloromethane | ND | | 200 | 215 | | ug/L | | 108 | 80 - 122 | 3 | 15 |
| Bromoform | ND | | 200 | 188 | | ug/L | | 94 | 61 - 132 | 1 | 15 |
| Bromomethane | ND | | 200 | 178 | | ug/L | | 89 | 55 - 144 | 2 | 15 |
| Carbon disulfide | ND | | 200 | 161 | | ug/L | | 81 | 59 - 134 | 1 | 15 |
| Carbon tetrachloride | ND | | 200 | 229 | | ug/L | | 115 | 72 - 134 | 1 | 15 |
| Chlorobenzene | 140 | | 200 | 323 | | ug/L | | 91 | 80 - 120 | 2 | 25 |
| Chloroethane | ND | | 200 | 155 | | ug/L | | 78 | 69 - 136 | 3 | 15 |
| Chloroform | ND | | 200 | 208 | | ug/L | | 104 | 73 - 127 | 2 | 20 |
| Chloromethane | ND | | 200 | 167 | | ug/L | | 84 | 68 - 124 | 4 | 15 |
| cis-1,2-Dichloroethene | ND | | 200 | 209 | | ug/L | | 104 | 74 - 124 | 1 | 15 |
| cis-1,3-Dichloropropene | ND | | 200 | 193 | | ug/L | | 96 | 74 - 124 | 2 | 15 |
| Cyclohexane | ND | | 200 | 210 | | ug/L | | 105 | 59 - 135 | 3 | 20 |
| Dibromochloromethane | ND | | 200 | 209 | | ug/L | | 105 | 75 - 125 | 0 | 15 |
| Dichlorodifluoromethane | ND | | 200 | 204 | | ug/L | | 102 | 59 - 135 | 9 | 20 |
| Ethylbenzene | ND | | 200 | 206 | | ug/L | | 103 | 77 - 123 | 4 | 15 |
| Isopropylbenzene | ND | | 200 | 202 | | ug/L | | 101 | 77 - 122 | 0 | 20 |
| Methyl acetate | ND | | 400 | 373 | | ug/L | | 93 | 74 - 133 | 3 | 20 |
| Methyl tert-butyl ether | ND | | 200 | 207 | | ug/L | | 104 | 77 - 120 | 3 | 37 |
| Methylcyclohexane | ND | | 200 | 209 | | ug/L | | 105 | 68 - 134 | 0 | 20 |
| Methylene Chloride | ND | | 200 | 225 | | ug/L | | 113 | 75 - 124 | 3 | 15 |
| Styrene | ND | | 200 | 210 | | ug/L | | 105 | 80 - 120 | 4 | 20 |
| Tetrachloroethene | ND | | 200 | 212 | | ug/L | | 106 | 74 - 122 | 5 | 20 |
| Toluene | ND | | 200 | 206 | | ug/L | | 103 | 80 - 122 | 3 | 15 |
| trans-1,2-Dichloroethene | ND | | 200 | 205 | | ug/L | | 102 | 73 - 127 | 5 | 20 |
| trans-1,3-Dichloropropene | ND | | 200 | 183 | | ug/L | | 92 | 80 - 120 | 1 | 15 |
| Trichloroethene | ND | | 200 | 219 | | ug/L | | 109 | 74 - 123 | 1 | 16 |
| Trichlorofluoromethane | ND | | 200 | 207 | | ug/L | | 104 | 62 - 150 | 2 | 20 |
| Vinyl chloride | ND | | 200 | 174 | | ug/L | | 87 | 65 - 133 | 2 | 15 |
| Xylenes, Total | ND | | 400 | 414 | | ug/L | | 104 | 76 - 122 | 5 | 16 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *110* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *108* | | *75 - 123* |

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

**Lab Sample ID: MB 480-604323/1-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |

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

**Lab Sample ID: MB 480-604323/1-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Bis(2-ethylhexyl) phthalate | 4.58 | J | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |

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

**Lab Sample ID: MB 480-604323/1-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 11/10/21 15:14 | 11/13/21 01:13 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *100* | | *41 - 120* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |
| *2-Fluorobiphenyl* | *120* | | *48 - 120* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |
| *2-Fluorophenol* | *80* | | *35 - 120* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |
| *Nitrobenzene-d5* | *100* | | *46 - 120* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |
| *Phenol-d5* | *62* | | *22 - 120* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |
| *p-Terphenyl-d14* | *119* | | *60 - 148* | *11/10/21 15:14* | *11/13/21 01:13* | *1* |

**Lab Sample ID: LCS 480-604323/2-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 32.0 | 29.7 | | ug/L | | 93 | 65 - 126 |
| 2,4,6-Trichlorophenol | 32.0 | 29.0 | | ug/L | | 91 | 64 - 120 |
| 2,4-Dichlorophenol | 32.0 | 27.4 | | ug/L | | 86 | 63 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.4 | | ug/L | | 86 | 47 - 120 |
| 2,4-Dinitrophenol | 64.0 | 54.7 | | ug/L | | 86 | 31 - 137 |
| 2,4-Dinitrotoluene | 32.0 | 31.1 | | ug/L | | 97 | 69 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 30.4 | | ug/L | | 95 | 68 - 120 |
| 2-Chloronaphthalene | 32.0 | 27.1 | | ug/L | | 85 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 26.2 | | ug/L | | 82 | 48 - 120 |
| 2-Methylnaphthalene | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| 2-Methylphenol | 32.0 | 26.4 | | ug/L | | 83 | 39 - 120 |
| 2-Nitroaniline | 32.0 | 33.0 | | ug/L | | 103 | 54 - 127 |
| 2-Nitrophenol | 32.0 | 28.0 | | ug/L | | 87 | 52 - 125 |
| 3,3'-Dichlorobenzidine | 64.0 | 57.4 | | ug/L | | 90 | 49 - 135 |
| 3-Nitroaniline | 32.0 | 28.0 | | ug/L | | 87 | 51 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 59.8 | | ug/L | | 94 | 46 - 136 |
| 4-Bromophenyl phenyl ether | 32.0 | 29.6 | | ug/L | | 93 | 65 - 120 |
| 4-Chloro-3-methylphenol | 32.0 | 28.3 | | ug/L | | 88 | 61 - 123 |

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

**Lab Sample ID: LCS 480-604323/2-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | 32.0 | 25.9 | | ug/L | | 81 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 29.0 | | ug/L | | 91 | 62 - 120 |
| 4-Methylphenol | 32.0 | 25.2 | | ug/L | | 79 | 29 - 131 |
| 4-Nitroaniline | 32.0 | 29.5 | | ug/L | | 92 | 65 - 120 |
| 4-Nitrophenol | 64.0 | 43.6 | | ug/L | | 68 | 45 - 120 |
| Acenaphthene | 32.0 | 28.4 | | ug/L | | 89 | 60 - 120 |
| Acenaphthylene | 32.0 | 29.6 | | ug/L | | 93 | 63 - 120 |
| Acetophenone | 32.0 | 27.8 | | ug/L | | 87 | 45 - 120 |
| Aniline | 32.0 | 20.9 | | ug/L | | 65 | 12 - 120 |
| Anthracene | 32.0 | 28.9 | | ug/L | | 90 | 67 - 120 |
| Atrazine | 64.0 | 62.3 | | ug/L | | 97 | 71 - 130 |
| Benzaldehyde | 64.0 | 57.9 | | ug/L | | 90 | 10 - 140 |
| Benzo(a)anthracene | 32.0 | 28.4 | | ug/L | | 89 | 70 - 121 |
| Benzo(a)pyrene | 32.0 | 26.7 | | ug/L | | 84 | 60 - 123 |
| Benzo(b)fluoranthene | 32.0 | 27.4 | | ug/L | | 85 | 66 - 126 |
| Benzo(g,h,i)perylene | 32.0 | 27.6 | | ug/L | | 86 | 66 - 150 |
| Benzo(k)fluoranthene | 32.0 | 29.3 | | ug/L | | 92 | 65 - 124 |
| Biphenyl | 32.0 | 27.8 | | ug/L | | 87 | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0 | 29.7 | | ug/L | | 93 | 21 - 136 |
| Bis(2-chloroethoxy)methane | 32.0 | 28.7 | | ug/L | | 90 | 50 - 128 |
| Bis(2-chloroethyl)ether | 32.0 | 26.8 | | ug/L | | 84 | 44 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 27.6 | | ug/L | | 86 | 63 - 139 |
| Butyl benzyl phthalate | 32.0 | 29.4 | | ug/L | | 92 | 70 - 129 |
| Caprolactam | 64.0 | 23.1 | | ug/L | | 36 | 22 - 120 |
| Carbazole | 32.0 | 33.3 | | ug/L | | 104 | 66 - 123 |
| Chrysene | 32.0 | 28.1 | | ug/L | | 88 | 69 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 28.5 | | ug/L | | 89 | 65 - 135 |
| Dibenzofuran | 32.0 | 29.9 | | ug/L | | 93 | 66 - 120 |
| Diethyl phthalate | 32.0 | 29.4 | | ug/L | | 92 | 59 - 127 |
| Dimethyl phthalate | 32.0 | 31.1 | | ug/L | | 97 | 68 - 120 |
| Di-n-butyl phthalate | 32.0 | 30.4 | | ug/L | | 95 | 69 - 131 |
| Di-n-octyl phthalate | 32.0 | 28.8 | | ug/L | | 90 | 63 - 140 |
| Fluoranthene | 32.0 | 30.7 | | ug/L | | 96 | 69 - 126 |
| Fluorene | 32.0 | 29.9 | | ug/L | | 93 | 66 - 120 |
| Hexachlorobenzene | 32.0 | 27.0 | | ug/L | | 84 | 61 - 120 |
| Hexachlorobutadiene | 32.0 | 20.9 | | ug/L | | 65 | 35 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 12.4 | | ug/L | | 39 | 31 - 120 |
| Hexachloroethane | 32.0 | 22.5 | | ug/L | | 70 | 43 - 120 |
| Indeno(1,2,3-cd)pyrene | 32.0 | 27.9 | | ug/L | | 87 | 69 - 146 |
| Isophorone | 32.0 | 28.3 | | ug/L | | 88 | 55 - 120 |
| Naphthalene | 32.0 | 26.3 | | ug/L | | 82 | 57 - 120 |
| Nitrobenzene | 32.0 | 27.4 | | ug/L | | 86 | 53 - 123 |
| N-Nitrosodi-n-propylamine | 32.0 | 28.4 | | ug/L | | 89 | 32 - 140 |
| N-Nitrosodiphenylamine | 32.0 | 30.5 | | ug/L | | 95 | 61 - 120 |
| Pentachlorophenol | 64.0 | 46.2 | | ug/L | | 72 | 29 - 136 |
| Phenanthrene | 32.0 | 29.3 | | ug/L | | 92 | 68 - 120 |
| Phenol | 32.0 | 17.7 | | ug/L | | 55 | 17 - 120 |
| Pyrene | 32.0 | 30.1 | | ug/L | | 94 | 70 - 125 |

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

**Lab Sample ID: LCS 480-604323/2-A**
**Matrix: Water**
**Analysis Batch: 604693**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *90* | | *41 - 120* |
| *2-Fluorobiphenyl* | *91* | | *48 - 120* |
| *2-Fluorophenol* | *65* | | *35 - 120* |
| *Nitrobenzene-d5* | *77* | | *46 - 120* |
| *Phenol-d5* | *50* | | *22 - 120* |
| *p-Terphenyl-d14* | *90* | | *60 - 148* |

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 604693**

**Client Sample ID: BCC Area C MW-C04 MS_1121**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | F2 | 32.0 | 36.1 | | ug/L | | 113 | 65 - 126 |
| 2,4,6-Trichlorophenol | ND | F1 | 32.0 | 39.0 | F1 | ug/L | | 122 | 64 - 120 |
| 2,4-Dichlorophenol | 0.92 | J | 32.0 | 35.4 | | ug/L | | 108 | 48 - 132 |
| 2,4-Dimethylphenol | ND | | 32.0 | 34.9 | | ug/L | | 109 | 39 - 130 |
| 2,4-Dinitrophenol | ND | F2 | 64.0 | 65.5 | | ug/L | | 102 | 21 - 150 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 27.7 | | ug/L | | 87 | 54 - 138 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 28.2 | | ug/L | | 88 | 17 - 150 |
| 2-Chloronaphthalene | ND | | 32.0 | 32.8 | | ug/L | | 102 | 52 - 124 |
| 2-Chlorophenol | 0.66 | J | 32.0 | 32.5 | | ug/L | | 100 | 48 - 120 |
| 2-Methylnaphthalene | ND | | 32.0 | 32.7 | | ug/L | | 102 | 34 - 140 |
| 2-Methylphenol | ND | | 32.0 | 32.3 | | ug/L | | 101 | 46 - 120 |
| 2-Nitroaniline | ND | | 32.0 | 30.0 | | ug/L | | 94 | 44 - 136 |
| 2-Nitrophenol | ND | | 32.0 | 33.3 | | ug/L | | 104 | 38 - 141 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 64.0 | 0.652 | J F1 | ug/L | | 1 | 10 - 150 |
| 3-Nitroaniline | ND | | 32.0 | 17.2 | | ug/L | | 54 | 32 - 150 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 64.0 | 67.7 | | ug/L | | 106 | 38 - 150 |
| 4-Bromophenyl phenyl ether | ND | F2 | 32.0 | 30.3 | | ug/L | | 95 | 63 - 126 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 30.4 | | ug/L | | 95 | 64 - 127 |
| 4-Chloroaniline | ND | | 32.0 | 18.5 | | ug/L | | 58 | 16 - 124 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 27.2 | | ug/L | | 85 | 61 - 120 |
| 4-Methylphenol | ND | | 32.0 | 31.5 | | ug/L | | 99 | 36 - 120 |
| 4-Nitroaniline | ND | | 32.0 | 26.6 | | ug/L | | 83 | 32 - 150 |
| 4-Nitrophenol | ND | | 64.0 | 41.7 | | ug/L | | 65 | 23 - 132 |
| Acenaphthene | ND | | 32.0 | 34.9 | | ug/L | | 109 | 48 - 120 |
| Acenaphthylene | ND | | 32.0 | 36.6 | | ug/L | | 114 | 63 - 120 |
| Acetophenone | ND | | 32.0 | 33.3 | | ug/L | | 104 | 53 - 120 |
| Aniline | 0.80 | J | 32.0 | 19.4 | | ug/L | | 58 | 32 - 120 |
| Anthracene | ND | F2 | 32.0 | 32.0 | | ug/L | | 100 | 65 - 122 |
| Atrazine | ND | F2 F1 | 64.0 | 57.4 | | ug/L | | 90 | 50 - 150 |
| Benzaldehyde | ND | | 64.0 | 62.8 | | ug/L | | 98 | 10 - 150 |
| Benzo(a)anthracene | ND | F2 | 32.0 | 21.9 | | ug/L | | 69 | 43 - 124 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 18.0 | | ug/L | | 56 | 23 - 125 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 18.1 | | ug/L | | 57 | 27 - 127 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 17.6 | | ug/L | | 55 | 16 - 147 |
| Benzo(k)fluoranthene | ND | F2 | 32.0 | 17.4 | | ug/L | | 55 | 20 - 124 |
| Biphenyl | ND | | 32.0 | 33.5 | | ug/L | | 105 | 57 - 120 |

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

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 604693**

**Client Sample ID: BCC Area C MW-C04 MS_1121**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 34.0 | | ug/L | | 106 | 28 - 121 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 33.8 | | ug/L | | 106 | 44 - 128 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 36.5 | | ug/L | | 114 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 18.3 | | ug/L | | 57 | 16 - 150 |
| Butyl benzyl phthalate | 1.0 | J F2 | 32.0 | 28.1 | | ug/L | | 85 | 51 - 140 |
| Caprolactam | ND | | 64.0 | 28.8 | | ug/L | | 45 | 10 - 120 |
| Carbazole | ND | F2 | 32.0 | 45.5 | | ug/L | | 142 | 16 - 148 |
| Chrysene | ND | F2 | 32.0 | 20.8 | | ug/L | | 65 | 44 - 122 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 17.3 | | ug/L | | 54 | 16 - 139 |
| Dibenzofuran | ND | F2 | 32.0 | 35.5 | | ug/L | | 111 | 60 - 120 |
| Diethyl phthalate | ND | | 32.0 | 27.3 | | ug/L | | 85 | 53 - 133 |
| Dimethyl phthalate | ND | F2 | 32.0 | 28.2 | | ug/L | | 88 | 59 - 123 |
| Di-n-butyl phthalate | ND | F2 | 32.0 | 29.0 | | ug/L | | 91 | 65 - 129 |
| Di-n-octyl phthalate | ND | F2 | 32.0 | 19.9 | | ug/L | | 62 | 16 - 150 |
| Fluoranthene | ND | F2 | 32.0 | 30.6 | | ug/L | | 96 | 63 - 129 |
| Fluorene | ND | | 32.0 | 31.2 | | ug/L | | 97 | 62 - 120 |
| Hexachlorobenzene | ND | F2 | 32.0 | 27.8 | | ug/L | | 87 | 57 - 121 |
| Hexachlorobutadiene | ND | | 32.0 | 25.2 | | ug/L | | 79 | 37 - 120 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 20.0 | | ug/L | | 63 | 21 - 120 |
| Hexachloroethane | ND | | 32.0 | 26.8 | | ug/L | | 84 | 16 - 130 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 17.4 | | ug/L | | 54 | 16 - 140 |
| Isophorone | ND | | 32.0 | 35.1 | | ug/L | | 110 | 48 - 133 |
| Naphthalene | ND | | 32.0 | 30.9 | | ug/L | | 97 | 45 - 120 |
| Nitrobenzene | ND | | 32.0 | 32.5 | | ug/L | | 101 | 45 - 123 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 34.3 | | ug/L | | 107 | 49 - 120 |
| N-Nitrosodiphenylamine | 0.71 | J F2 | 32.0 | 32.6 | | ug/L | | 100 | 39 - 138 |
| Pentachlorophenol | ND | | 64.0 | 92.5 | | ug/L | | 145 | 23 - 149 |
| Phenanthrene | ND | F2 | 32.0 | 36.6 | | ug/L | | 115 | 65 - 122 |
| Phenol | ND | | 32.0 | 21.8 | | ug/L | | 68 | 16 - 120 |
| Pyrene | ND | | 32.0 | 29.2 | | ug/L | | 91 | 58 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *107* | | *41 - 120* |
| *2-Fluorobiphenyl* | *110* | | *48 - 120* |
| *2-Fluorophenol* | *78* | | *35 - 120* |
| *Nitrobenzene-d5* | *96* | | *46 - 120* |
| *Phenol-d5* | *62* | | *22 - 120* |
| *p-Terphenyl-d14* | *54* | *S1-* | *60 - 148* |

**Lab Sample ID: 480-192048-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 604693**

**Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Prep Type: Total/NA**
**Prep Batch: 604323**

| 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 | 29.7 | F2 | ug/L | | 93 | 65 - 126 | 20 | 18 |
| 2,4,6-Trichlorophenol | ND | F1 | 32.0 | 34.6 | | ug/L | | 108 | 64 - 120 | 12 | 19 |
| 2,4-Dichlorophenol | 0.92 | J | 32.0 | 30.7 | | ug/L | | 93 | 48 - 132 | 14 | 19 |
| 2,4-Dimethylphenol | ND | | 32.0 | 30.9 | | ug/L | | 96 | 39 - 130 | 12 | 42 |

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

**Lab Sample ID: 480-192048-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604693** — **Prep Batch: 604323**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dinitrophenol | ND | F2 | 64.0 | 48.9 | F2 | ug/L | | 76 | 21 - 150 | 29 | 22 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 24.9 | | ug/L | | 78 | 54 - 138 | 11 | 20 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 25.3 | | ug/L | | 79 | 17 - 150 | 11 | 15 |
| 2-Chloronaphthalene | ND | | 32.0 | 28.9 | | ug/L | | 90 | 52 - 124 | 13 | 21 |
| 2-Chlorophenol | 0.66 | J | 32.0 | 27.9 | | ug/L | | 85 | 48 - 120 | 15 | 25 |
| 2-Methylnaphthalene | ND | | 32.0 | 28.6 | | ug/L | | 89 | 34 - 140 | 13 | 21 |
| 2-Methylphenol | ND | | 32.0 | 27.9 | | ug/L | | 87 | 46 - 120 | 15 | 27 |
| 2-Nitroaniline | ND | | 32.0 | 27.4 | | ug/L | | 86 | 44 - 136 | 9 | 15 |
| 2-Nitrophenol | ND | | 32.0 | 30.1 | | ug/L | | 94 | 38 - 141 | 10 | 18 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 64.0 | 1.71 | J F2 F1 | ug/L | | 3 | 10 - 150 | 90 | 25 |
| 3-Nitroaniline | ND | | 32.0 | 16.9 | | ug/L | | 53 | 32 - 150 | 2 | 19 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 64.0 | 51.1 | F2 | ug/L | | 80 | 38 - 150 | 28 | 15 |
| 4-Bromophenyl phenyl ether | ND | F2 | 32.0 | 22.0 | F2 | ug/L | | 69 | 63 - 126 | 32 | 15 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 27.4 | | ug/L | | 86 | 64 - 127 | 11 | 27 |
| 4-Chloroaniline | ND | | 32.0 | 14.9 | | ug/L | | 47 | 16 - 124 | 22 | 22 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 25.0 | | ug/L | | 78 | 61 - 120 | 8 | 16 |
| 4-Methylphenol | ND | | 32.0 | 26.3 | | ug/L | | 82 | 36 - 120 | 18 | 24 |
| 4-Nitroaniline | ND | | 32.0 | 24.6 | | ug/L | | 77 | 32 - 150 | 8 | 24 |
| 4-Nitrophenol | ND | | 64.0 | 35.0 | | ug/L | | 55 | 23 - 132 | 17 | 48 |
| Acenaphthene | ND | | 32.0 | 30.7 | | ug/L | | 96 | 48 - 120 | 13 | 24 |
| Acenaphthylene | ND | | 32.0 | 32.6 | | ug/L | | 102 | 63 - 120 | 12 | 18 |
| Acetophenone | ND | | 32.0 | 29.2 | | ug/L | | 91 | 53 - 120 | 13 | 20 |
| Aniline | 0.80 | J | 32.0 | 19.7 | | ug/L | | 59 | 32 - 120 | 2 | 30 |
| Anthracene | ND | F2 | 32.0 | 23.6 | F2 | ug/L | | 74 | 65 - 122 | 30 | 15 |
| Atrazine | ND | F2 F1 | 64.0 | 6.00 | F2 F1 | ug/L | | 9 | 50 - 150 | 162 | 20 |
| Benzaldehyde | ND | | 64.0 | 57.0 | | ug/L | | 89 | 10 - 150 | 10 | 20 |
| Benzo(a)anthracene | ND | F2 | 32.0 | 16.2 | F2 | ug/L | | 51 | 43 - 124 | 30 | 15 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 13.9 | F2 | ug/L | | 44 | 23 - 125 | 26 | 15 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 14.7 | F2 | ug/L | | 46 | 27 - 127 | 21 | 15 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 13.7 | F2 | ug/L | | 43 | 16 - 147 | 25 | 15 |
| Benzo(k)fluoranthene | ND | F2 | 32.0 | 13.9 | F2 | ug/L | | 43 | 20 - 124 | 23 | 22 |
| Biphenyl | ND | | 32.0 | 30.2 | | ug/L | | 94 | 57 - 120 | 10 | 20 |
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 30.1 | | ug/L | | 94 | 28 - 121 | 12 | 24 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 30.9 | | ug/L | | 96 | 44 - 128 | 9 | 17 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 30.4 | | ug/L | | 95 | 45 - 120 | 18 | 21 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 14.0 | F2 | ug/L | | 44 | 16 - 150 | 26 | 15 |
| Butyl benzyl phthalate | 1.0 | J F2 | 32.0 | 22.7 | F2 | ug/L | | 68 | 51 - 140 | 21 | 16 |
| Caprolactam | ND | | 64.0 | 25.1 | | ug/L | | 39 | 10 - 120 | 14 | 20 |
| Carbazole | ND | F2 | 32.0 | 35.1 | F2 | ug/L | | 110 | 16 - 148 | 26 | 20 |
| Chrysene | ND | F2 | 32.0 | 16.8 | F2 | ug/L | | 52 | 44 - 122 | 22 | 15 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 13.6 | F2 | ug/L | | 42 | 16 - 139 | 24 | 15 |
| Dibenzofuran | ND | F2 | 32.0 | 27.2 | F2 | ug/L | | 85 | 60 - 120 | 26 | 15 |
| Diethyl phthalate | ND | | 32.0 | 24.4 | | ug/L | | 76 | 53 - 133 | 11 | 15 |
| Dimethyl phthalate | ND | F2 | 32.0 | 23.6 | F2 | ug/L | | 74 | 59 - 123 | 18 | 15 |
| Di-n-butyl phthalate | ND | F2 | 32.0 | 21.8 | F2 | ug/L | | 68 | 65 - 129 | 28 | 15 |
| Di-n-octyl phthalate | ND | F2 | 32.0 | 15.6 | F2 | ug/L | | 49 | 16 - 150 | 24 | 16 |
| Fluoranthene | ND | F2 | 32.0 | 23.3 | F2 | ug/L | | 73 | 63 - 129 | 27 | 15 |
| Fluorene | ND | | 32.0 | 32.6 | | ug/L | | 102 | 62 - 120 | 4 | 15 |
| Hexachlorobenzene | ND | F2 | 32.0 | 21.4 | F2 | ug/L | | 67 | 57 - 121 | 26 | 15 |

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

**Lab Sample ID: 480-192048-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604693** — **Prep Batch: 604323**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | | 32.0 | 22.0 | | ug/L | | 69 | 37 - 120 | 13 | 44 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 16.9 | | ug/L | | 53 | 21 - 120 | 17 | 49 |
| Hexachloroethane | ND | | 32.0 | 23.5 | | ug/L | | 74 | 16 - 130 | 13 | 46 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 13.8 | F2 | ug/L | | 43 | 16 - 140 | 23 | 15 |
| Isophorone | ND | | 32.0 | 31.0 | | ug/L | | 97 | 48 - 133 | 12 | 17 |
| Naphthalene | ND | | 32.0 | 28.1 | | ug/L | | 88 | 45 - 120 | 10 | 29 |
| Nitrobenzene | ND | | 32.0 | 29.5 | | ug/L | | 92 | 45 - 123 | 9 | 24 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 30.3 | | ug/L | | 95 | 49 - 120 | 12 | 31 |
| N-Nitrosodiphenylamine | 0.71 | J F2 | 32.0 | 25.2 | F2 | ug/L | | 77 | 39 - 138 | 25 | 15 |
| Pentachlorophenol | ND | | 64.0 | 69.7 | | ug/L | | 109 | 23 - 149 | 28 | 37 |
| Phenanthrene | ND | F2 | 32.0 | 28.6 | F2 | ug/L | | 89 | 65 - 122 | 25 | 15 |
| Phenol | ND | | 32.0 | 18.1 | | ug/L | | 57 | 16 - 120 | 19 | 34 |
| Pyrene | ND | | 32.0 | 25.4 | | ug/L | | 79 | 58 - 128 | 14 | 19 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *90* | | *41 - 120* |
| *2-Fluorobiphenyl* | *97* | | *48 - 120* |
| *2-Fluorophenol* | *64* | | *35 - 120* |
| *Nitrobenzene-d5* | *84* | | *46 - 120* |
| *Phenol-d5* | *52* | | *22 - 120* |
| *p-Terphenyl-d14* | *41* | *S1-* | *60 - 148* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-604304/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604634** — **Prep Batch: 604304**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Barium | ND | | 0.0020 | 0.00070 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Calcium | ND | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Manganese | ND | | 0.0030 | 0.00040 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |
| Zinc | ND | | 0.010 | 0.0015 | mg/L | | 11/11/21 09:35 | 11/12/21 02:58 | 1 |

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

**Lab Sample ID: MB 480-604304/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604804** — **Prep Batch: 604304**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 11/11/21 09:35 | 11/12/21 12:10 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 11/11/21 09:35 | 11/12/21 12:10 | 1 |
| Potassium | ND | | 0.50 | 0.10 | mg/L | | 11/11/21 09:35 | 11/12/21 12:10 | 1 |

**Lab Sample ID: LCS 480-604304/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604634** — **Prep Batch: 604304**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 10.04 | | mg/L | | 100 | 80 - 120 |
| Arsenic | 0.200 | 0.215 | | mg/L | | 108 | 80 - 120 |
| Barium | 0.200 | 0.224 | | mg/L | | 112 | 80 - 120 |
| Beryllium | 0.200 | 0.204 | | mg/L | | 102 | 80 - 120 |
| Calcium | 10.0 | 10.10 | | mg/L | | 101 | 80 - 120 |
| Chromium | 0.200 | 0.199 | | mg/L | | 100 | 80 - 120 |
| Cobalt | 0.200 | 0.202 | | mg/L | | 101 | 80 - 120 |
| Copper | 0.200 | 0.200 | | mg/L | | 100 | 80 - 120 |
| Iron | 10.0 | 10.0 | | mg/L | | 100 | 80 - 120 |
| Lead | 0.200 | 0.209 | | mg/L | | 104 | 80 - 120 |
| Magnesium | 10.0 | 10.30 | | mg/L | | 103 | 80 - 120 |
| Manganese | 0.200 | 0.201 | | mg/L | | 101 | 80 - 120 |
| Nickel | 0.200 | 0.188 | | mg/L | | 94 | 80 - 120 |
| Selenium | 0.200 | 0.208 | | mg/L | | 104 | 80 - 120 |
| Silver | 0.0500 | 0.0497 | | mg/L | | 99 | 80 - 120 |
| Sodium | 10.0 | 9.12 | | mg/L | | 91 | 80 - 120 |
| Thallium | 0.200 | 0.192 | | mg/L | | 96 | 80 - 120 |
| Vanadium | 0.200 | 0.197 | | mg/L | | 99 | 80 - 120 |
| Zinc | 0.200 | 0.208 | | mg/L | | 104 | 80 - 120 |

**Lab Sample ID: LCS 480-604304/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604804** — **Prep Batch: 604304**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.200 | 0.225 | | mg/L | | 113 | 80 - 120 |
| Cadmium | 0.200 | 0.217 | | mg/L | | 108 | 80 - 120 |
| Potassium | 10.0 | 9.63 | | mg/L | | 96 | 80 - 120 |

**Lab Sample ID: 480-192048-2 MS** — **Client Sample ID: BCC Area C MW-C04 MS_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604634** — **Prep Batch: 604304**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.082 | J | 10.0 | 10.12 | | mg/L | | 100 | 75 - 125 |
| Arsenic | ND | | 0.200 | 0.230 | | mg/L | | 115 | 75 - 125 |
| Barium | 0.45 | | 0.200 | 0.660 | | mg/L | | 107 | 75 - 125 |
| Beryllium | ND | | 0.200 | 0.203 | | mg/L | | 101 | 75 - 125 |
| Calcium | 251 | | 10.0 | 260.3 | 4 | mg/L | | 95 | 75 - 125 |
| Chromium | 0.0012 | J | 0.200 | 0.197 | | mg/L | | 98 | 75 - 125 |

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

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 604634**

**Client Sample ID: BCC Area C MW-C04 MS_1121**
**Prep Type: Total/NA**
**Prep Batch: 604304**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cobalt | ND | | 0.200 | 0.208 | | mg/L | | 104 | 75 - 125 |
| Copper | 0.0051 | J | 0.200 | 0.206 | | mg/L | | 100 | 75 - 125 |
| Iron | 5.9 | | 10.0 | 15.66 | | mg/L | | 98 | 75 - 125 |
| Lead | ND | | 0.200 | 0.212 | | mg/L | | 106 | 75 - 125 |
| Magnesium | 36.4 | | 10.0 | 46.70 | | mg/L | | 103 | 75 - 125 |
| Manganese | 0.91 | | 0.200 | 1.11 | 4 | mg/L | | 99 | 75 - 125 |
| Nickel | 0.0013 | J | 0.200 | 0.191 | | mg/L | | 95 | 75 - 125 |
| Potassium | 12.8 | | 10.0 | 22.36 | | mg/L | | 96 | 75 - 125 |
| Selenium | ND | | 0.200 | 0.209 | | mg/L | | 104 | 75 - 125 |
| Silver | ND | | 0.0500 | 0.0513 | | mg/L | | 103 | 75 - 125 |
| Sodium | 134 | | 10.0 | 144.7 | 4 | mg/L | | 103 | 75 - 125 |
| Thallium | ND | | 0.200 | 0.190 | | mg/L | | 95 | 75 - 125 |
| Vanadium | ND | | 0.200 | 0.198 | | mg/L | | 99 | 75 - 125 |
| Zinc | 0.011 | | 0.200 | 0.216 | | mg/L | | 102 | 75 - 125 |

**Lab Sample ID: 480-192048-2 MS**
**Matrix: Ground Water**
**Analysis Batch: 604804**

**Client Sample ID: BCC Area C MW-C04 MS_1121**
**Prep Type: Total/NA**
**Prep Batch: 604304**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 0.200 | 0.235 | | mg/L | | 117 | 75 - 125 |
| Cadmium | ND | | 0.200 | 0.225 | | mg/L | | 113 | 75 - 125 |

**Lab Sample ID: 480-192048-2 MSD**
**Matrix: Ground Water**
**Analysis Batch: 604634**

**Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Prep Type: Total/NA**
**Prep Batch: 604304**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.082 | J | 10.0 | 10.19 | | mg/L | | 101 | 75 - 125 | 1 | 20 |
| Arsenic | ND | | 0.200 | 0.228 | | mg/L | | 114 | 75 - 125 | 1 | 20 |
| Barium | 0.45 | | 0.200 | 0.659 | | mg/L | | 106 | 75 - 125 | 0 | 20 |
| Beryllium | ND | | 0.200 | 0.205 | | mg/L | | 102 | 75 - 125 | 1 | 20 |
| Calcium | 251 | | 10.0 | 260.2 | 4 | mg/L | | 94 | 75 - 125 | 0 | 20 |
| Chromium | 0.0012 | J | 0.200 | 0.197 | | mg/L | | 98 | 75 - 125 | 0 | 20 |
| Cobalt | ND | | 0.200 | 0.208 | | mg/L | | 104 | 75 - 125 | 0 | 20 |
| Copper | 0.0051 | J | 0.200 | 0.206 | | mg/L | | 100 | 75 - 125 | 0 | 20 |
| Iron | 5.9 | | 10.0 | 15.53 | | mg/L | | 96 | 75 - 125 | 1 | 20 |
| Lead | ND | | 0.200 | 0.214 | | mg/L | | 107 | 75 - 125 | 1 | 20 |
| Magnesium | 36.4 | | 10.0 | 46.47 | | mg/L | | 100 | 75 - 125 | 0 | 20 |
| Manganese | 0.91 | | 0.200 | 1.10 | 4 | mg/L | | 95 | 75 - 125 | 1 | 20 |
| Nickel | 0.0013 | J | 0.200 | 0.192 | | mg/L | | 95 | 75 - 125 | 1 | 20 |
| Potassium | 12.8 | | 10.0 | 22.40 | | mg/L | | 96 | 75 - 125 | 0 | 20 |
| Selenium | ND | | 0.200 | 0.210 | | mg/L | | 105 | 75 - 125 | 1 | 20 |
| Silver | ND | | 0.0500 | 0.0509 | | mg/L | | 102 | 75 - 125 | 1 | 20 |
| Sodium | 134 | | 10.0 | 144.3 | 4 | mg/L | | 99 | 75 - 125 | 0 | 20 |
| Thallium | ND | | 0.200 | 0.190 | | mg/L | | 95 | 75 - 125 | 0 | 20 |
| Vanadium | ND | | 0.200 | 0.199 | | mg/L | | 99 | 75 - 125 | 0 | 20 |
| Zinc | 0.011 | | 0.200 | 0.216 | | mg/L | | 103 | 75 - 125 | 0 | 20 |

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

**Lab Sample ID: 480-192048-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604804** — **Prep Batch: 604304**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 0.200 | 0.236 | | mg/L | | 118 | 75 - 125 | 1 | 20 |
| Cadmium | ND | | 0.200 | 0.228 | | mg/L | | 114 | 75 - 125 | 1 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-604497/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604578** — **Prep Batch: 604497**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/11/21 13:10 | 11/11/21 16:15 | 1 |

**Lab Sample ID: LCS 480-604497/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604578** — **Prep Batch: 604497**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00667 | 0.00697 | | mg/L | | 104 | 80 - 120 |

**Lab Sample ID: MB 480-604549/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604709** — **Prep Batch: 604549**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 11/12/21 08:45 | 11/12/21 11:54 | 1 |

**Lab Sample ID: LCS 480-604549/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 604709** — **Prep Batch: 604549**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00667 | 0.00688 | | mg/L | | 103 | 80 - 120 |

**Lab Sample ID: 480-192048-2 MS** — **Client Sample ID: BCC Area C MW-C04 MS_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604709** — **Prep Batch: 604549**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00695 | | mg/L | | 104 | 80 - 120 |

**Lab Sample ID: 480-192048-2 MSD** — **Client Sample ID: BCC Area C MW-C04 MSD_1121**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 604709** — **Prep Batch: 604549**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00690 | | mg/L | | 103 | 80 - 120 | 1 | 20 |

# QC Association Summary

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

Job ID: 480-192048-1

## GC/MS VOA

### Analysis Batch: 605040

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-6 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 480-605040/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-605040/6 | Lab Control Sample | Total/NA | Water | 8260C | |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 8260C | |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 604323

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 3510C | |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 3510C | |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 3510C | |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 3510C | |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 3510C | |
| MB 480-604323/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 480-604323/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 3510C | |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 3510C | |

### Analysis Batch: 604693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 8270D | 604323 |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 8270D | 604323 |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 8270D | 604323 |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 8270D | 604323 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 8270D | 604323 |
| MB 480-604323/1-A | Method Blank | Total/NA | Water | 8270D | 604323 |
| LCS 480-604323/2-A | Lab Control Sample | Total/NA | Water | 8270D | 604323 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 8270D | 604323 |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 8270D | 604323 |

## Metals

### Prep Batch: 604304

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 3005A | |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 3005A | |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 3005A | |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 3005A | |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 3005A | |
| MB 480-604304/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 480-604304/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 3005A | |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 3005A | |

## Metals

### Prep Batch: 604497

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 7470A | |
| MB 480-604497/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 480-604497/2-A | Lab Control Sample | Total/NA | Water | 7470A | |

### Prep Batch: 604549

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 7470A | |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 7470A | |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 7470A | |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 7470A | |
| MB 480-604549/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 480-604549/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 7470A | |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 7470A | |

### Analysis Batch: 604578

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 7470A | 604497 |
| MB 480-604497/1-A | Method Blank | Total/NA | Water | 7470A | 604497 |
| LCS 480-604497/2-A | Lab Control Sample | Total/NA | Water | 7470A | 604497 |

### Analysis Batch: 604634

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 6010C | 604304 |
| MB 480-604304/1-A | Method Blank | Total/NA | Water | 6010C | 604304 |
| LCS 480-604304/2-A | Lab Control Sample | Total/NA | Water | 6010C | 604304 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 6010C | 604304 |

### Analysis Batch: 604709

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 7470A | 604549 |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 7470A | 604549 |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 7470A | 604549 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 7470A | 604549 |
| MB 480-604549/1-A | Method Blank | Total/NA | Water | 7470A | 604549 |
| LCS 480-604549/2-A | Lab Control Sample | Total/NA | Water | 7470A | 604549 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 7470A | 604549 |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 7470A | 604549 |

### Analysis Batch: 604804

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-1 | BCC Area C RFI-31_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-2 | BCC Area C MW-C04_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-3 | BCC Area C RFI-20_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-4 | BCC Area C PS-05A_1121 | Total/NA | Ground Water | 6010C | 604304 |

## Metals (Continued)

### Analysis Batch: 604804 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Total/NA | Ground Water | 6010C | 604304 |
| MB 480-604304/1-A | Method Blank | Total/NA | Water | 6010C | 604304 |
| LCS 480-604304/2-A | Lab Control Sample | Total/NA | Water | 6010C | 604304 |
| 480-192048-2 MS | BCC Area C MW-C04 MS_1121 | Total/NA | Ground Water | 6010C | 604304 |
| 480-192048-2 MSD | BCC Area C MW-C04 MSD_1121 | Total/NA | Ground Water | 6010C | 604304 |

# Lab Chronicle

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C RFI-31_1121

**Lab Sample ID: 480-192048-1**

**Date Collected: 11/08/21 11:30**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 605040 | 11/16/21 01:41 | ATG | TAL BUF |
| Total/NA | Prep | 3510C | | | 604323 | 11/10/21 15:14 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 604693 | 11/13/21 11:44 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604634 | 11/12/21 03:05 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604804 | 11/12/21 12:17 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 5 | 604804 | 11/12/21 12:21 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 604497 | 11/11/21 13:10 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 604578 | 11/11/21 16:41 | BMB | TAL BUF |

## Client Sample ID: BCC Area C MW-C04_1121

**Lab Sample ID: 480-192048-2**

**Date Collected: 11/08/21 11:40**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 8 | 605040 | 11/16/21 02:04 | ATG | TAL BUF |
| Total/NA | Prep | 3510C | | | 604323 | 11/10/21 15:14 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 604693 | 11/13/21 03:58 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604634 | 11/12/21 03:09 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604804 | 11/12/21 12:25 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 604549 | 11/12/21 08:45 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 604709 | 11/12/21 11:57 | NVK | TAL BUF |

## Client Sample ID: BCC Area C RFI-20_1121

**Lab Sample ID: 480-192048-3**

**Date Collected: 11/08/21 09:01**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 605040 | 11/16/21 02:27 | ATG | TAL BUF |
| Total/NA | Prep | 3510C | | | 604323 | 11/10/21 15:14 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 604693 | 11/13/21 05:49 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604634 | 11/12/21 03:40 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604804 | 11/12/21 12:56 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 604549 | 11/12/21 08:45 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 604709 | 11/12/21 12:02 | NVK | TAL BUF |

# Lab Chronicle

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

Job ID: 480-192048-1

## Client Sample ID: BCC Area C PS-05A_1121

**Lab Sample ID: 480-192048-4**

**Date Collected: 11/08/21 10:05**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 605040 | 11/16/21 02:50 | ATG | TAL BUF |
| Total/NA | Prep | 3510C | | | 604323 | 11/10/21 15:14 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 604693 | 11/13/21 06:16 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604634 | 11/12/21 03:44 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604804 | 11/12/21 12:59 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 604549 | 11/12/21 08:45 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 604709 | 11/12/21 12:03 | NVK | TAL BUF |

## Client Sample ID: BCC Area C MW-C04 D_1121

**Lab Sample ID: 480-192048-5**

**Date Collected: 11/08/21 11:50**
**Matrix: Ground Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 605040 | 11/16/21 03:13 | ATG | TAL BUF |
| Total/NA | Prep | 3510C | | | 604323 | 11/10/21 15:14 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 604693 | 11/13/21 06:43 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604634 | 11/12/21 03:47 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 604304 | 11/11/21 09:35 | ADM | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 604804 | 11/12/21 13:03 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 604549 | 11/12/21 08:45 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 604709 | 11/12/21 12:05 | NVK | TAL BUF |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-192048-6**

**Date Collected: 11/08/21 00:00**
**Matrix: Water**
**Date Received: 11/09/21 15:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 605040 | 11/16/21 03:36 | ATG | 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.
Project/Site: Buffalo Color GWTF Area C Wells

Job ID: 480-192048-1

## 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 GWTF Area C Wells

Job ID: 480-192048-1

| 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 GWTF Area C Wells

Job ID: 480-192048-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-192048-1 | BCC Area C RFI-31_1121 | Ground Water | 11/08/21 11:30 | 11/09/21 15:40 |
| 480-192048-2 | BCC Area C MW-C04_1121 | Ground Water | 11/08/21 11:40 | 11/09/21 15:40 |
| 480-192048-3 | BCC Area C RFI-20_1121 | Ground Water | 11/08/21 09:01 | 11/09/21 15:40 |
| 480-192048-4 | BCC Area C PS-05A_1121 | Ground Water | 11/08/21 10:05 | 11/09/21 15:40 |
| 480-192048-5 | BCC Area C MW-C04 D_1121 | Ground Water | 11/08/21 11:50 | 11/09/21 15:40 |
| 480-192048-6 | TRIP BLANK | Water | 11/08/21 00:00 | 11/09/21 15:40 |

**Buffalo**
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

| Client Contact | Project Manager: John Schove | Site Contact: Tom Wagner | Date: 11-8-21 | COC No. 480-158660-6265.1 |
|---|---|---|---|---|
| Ontario Specialty Contracting Inc | Tel/Fax: 716-912-9926 | Lab Contact: John Schove | Carrier: OSC | 1 of 1 COCs |
| 333 Ganson Street | Analysis Turnaround Time | | | Job No. 16011 |
| Buffalo, NY 14203 | Calendar ( C ) or Work Days (W) _____ | | | |
| (716) 856-3333 Phone | TAT if different from Below _____ | | | SDG No. |
| (716) 842-1785 FAX | [x] 2 weeks | | | |
| Project Name: Buffalo Color GWTF Area C Wells | [ ] 1 week | | | |
| Site: Honeywell Buffalo Color - NYC915230 EIM SITE ID - 37745 | [ ] 2 days | | | |
| PO# 64048 | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Filtered Sample | 8260B - TLC 4.2 list (TLC VOC) | 6010B, 7470A (TAL Metals | 8270C - (MOD) TLC SVOA - 4.2 list +naphthalene | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| ~~BCC_Area C_MW-C01_~~ | | | ~~G~~ | ~~W~~ | ~~6~~ | ~~N~~ | ~~3~~ | ~~1~~ | ~~2~~ | |
| BCC_Area C_RFI-31_1121 | 11/8-21 | 1630 | G | W | 6 | N | 3 | 1 | 2 | |
| ~~BCC_Area C_PS-04_~~ | | | ~~G~~ | ~~W~~ | ~~6~~ | ~~N~~ | ~~3~~ | ~~1~~ | ~~2~~ | |
| BCC_Area C_MW-C04_1121 | 11/8-21 | 1140 | G | W | 6 | N | 3 | 1 | 2 | |
| BCC_Area C_RFI-20_1121 | 11/8-21 | 9:01 | G | W | 6 | N | 3 | 1 | 2 | |
| BCC_Area C_PS-05A_1121 | 11/8-21 | 1005 | G | W | 6 | N | 3 | 1 | 2 | |
| ~~BCC_Area C_PS-01_~~ | | | ~~G~~ | ~~W~~ | ~~6~~ | ~~N~~ | ~~3~~ | ~~1~~ | ~~2~~ | |
| BCC_Area C_MW-C04 D_1121 | 11/8-21 | 1150 | G | W | 6 | N | 3 | 1 | 2 | |
| BCC_Area C_MW-C04 MS_1121 | ↓ | 1200 | G | W | 6 | N | 3 | 1 | 2 | |
| BCC_Area C_MW-C04 MSD_1121 | ↓ | 1210 | G | W | 6 | N | 3 | 1 | 2 | |
| Trip Blank | N/A | N/A | N/A | W | 2 | N | 2 | | | |
| Container Volume (mL) | | | | | | | 40 | 250 | 250 | |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | | | | | | | 2 | 4 | 1 | |

480-192048 Chain of Custody

*Possible Hazard Identification*
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [X]

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

**Special Instructions/QC Requirements & Comments:**

Temp 11.5 #1 ICE

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | OSC | 11/8/21 1540 | [signature] | TA | 11/8/21 1540 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-192048-1

**Login Number: 192048**

**List Number: 1**

**Creator: Wallace, Cameron**

**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. | True | |
| 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: 480-195892-1
Client Project/Site: OSC- Former Buffalo Color Sites - 37745
Sampling Event: Buffalo Color Area C Wells

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

Attn: Kirsten Colligan

*Authorized for release by:*
*3/30/2022 5:59:23 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

LINKS

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

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

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

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# Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195892-1
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. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| 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: 480-195892-1

### Laboratory: Eurofins Buffalo

**Narrative**

**Job Narrative**
**480-195892-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 3/17/2022 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 3.5º C.

**GC/MS VOA**
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area C RFI-31_0322 (480-195892-1), BCC Area C MW-C04_0322 (480-195892-2), BCC Area C RFI-31 D_0322 (480-195892-5), BCC Area C RFI-31 MS_0322 (480-195892-5[MS]) and BCC Area C RFI-31 MSD_0322 (480-195892-5[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-618411 recovered outside acceptance criteria, low biased, for Cyclohexane, 1,1,2-Trichloro-1,2,2-trifluoroethane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-618577 recovered above the upper control limit for Carbon tetrachloride, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Chlorodibromomethane and 1,1,1-Trichloroethane. 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 C PS-05A_0322 (480-195892-3).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-618577 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene, trans-1,3-Dichloropropene and 1,2-Dibromo-3-Chloropropane. 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 results reported for the following sample do not concur with results previously reported for this site: TRIP BLANK (480-195892-6). 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.

**GC/MS Semi VOA**
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-618626 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-618471 and analytical batch 480-618626 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: BCC Area C RFI-31_0322 (480-195892-1) and BCC Area C RFI-31 D_0322 (480-195892-5). Therefore, the data has been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618626 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects or below client reporting limit for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BCC Area C RFI-31_0322 (480-195892-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618626 recovered outside acceptance criteria, low biased, for multiple analytes. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s) or below client reporting limit, the data are reported.

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 samples contained an allowable number of

## Job ID: 480-195892-1 (Continued)

### Laboratory: Eurofins Buffalo (Continued)

surrogate compounds outside limits: BCC Area C RFI-31_0322 (480-195892-1). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-618804 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618804 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-618471 and analytical batch 480-618804 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: BCC Area C MW-C04_0322 (480-195892-2) and BCC Area C PS-05A_0322 (480-195892-3). Therefore, the data has been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618804 recovered above the upper control limit for 4-Bromophenyl phenyl ether, 4-Nitrophenol, Atrazine, Hexachlorobenzene, Hexachlorobutadiene and Hexachlorocyclopentadiene. 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 C MW-C04_0322 (480-195892-2) and BCC Area C PS-05A_0322 (480-195892-3).

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 samples contained an allowable number of surrogate compounds outside limits: BCC Area C MW-C04_0322 (480-195892-2), BCC Area C PS-05A_0322 (480-195892-3), BCC Area C RFI-31 D_0322 (480-195892-5), BCC Area C RFI-31 MS_0322 (480-195892-5[MS]) and BCC Area C RFI-31 MSD_0322 (480-195892-5[MSD]). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618626 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-618626 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-618626 recovered above the upper control limit for 4-Nitrophenol, Atrazine, Hexachlorobenzene and Hexachlorobutadiene. 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 C RFI-31 D_0322 (480-195892-5).

Method 8270D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-618471 and analytical batch 480-618626 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8270D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-618471 and analytical batch 480-618626 was outside control limits for 3,3'-Dichlorobenzidine. Sample matrix interference is suspectedNo additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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

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

# Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31_0322 — Lab Sample ID: 480-195892-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 66 | | 4.0 | 1.6 | ug/L | 4 | | 8260C | Total/NA |
| 1,2-Dichlorobenzene | 4.5 | | 4.0 | 3.2 | ug/L | 4 | | 8260C | Total/NA |
| 1,3-Dichlorobenzene | 170 | | 4.0 | 3.1 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 35 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 32 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| Aluminum | 0.092 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.024 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 317 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0025 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0026 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.22 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 21.8 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.096 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.2 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 1710 | | 5.0 | 1.6 | mg/L | 5 | | 6010C | Total/NA |
| Vanadium | 0.0046 | J | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.011 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C MW-C04_0322 — Lab Sample ID: 480-195892-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 11 | | 5.0 | 3.9 | ug/L | 5 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 22 | | 5.0 | 4.2 | ug/L | 5 | | 8260C | Total/NA |
| Chlorobenzene | 160 | | 5.0 | 3.8 | ug/L | 5 | | 8260C | Total/NA |
| 2-Chlorophenol | 0.71 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 0.41 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 234 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0017 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 7.8 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0032 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 33.5 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.94 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0042 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 9.8 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 105 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.012 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C PS-05A_0322 — Lab Sample ID: 480-195892-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.18 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Arsenic | 0.0083 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.052 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 109 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0014 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0042 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.63 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 21.2 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.018 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0017 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 4.6 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 35.7 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C PS-05A_0322 (Continued) — Lab Sample ID: 480-195892-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Zinc | 0.0092 | J | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C RFI-20_0322 — Lab Sample ID: 480-195892-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.12 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Antimony | 0.0070 | J | 0.020 | 0.0068 | mg/L | 1 | | 6010C | Total/NA |
| Arsenic | 0.073 | | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.087 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 252 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.0011 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 47.5 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0039 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 15.5 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.52 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0050 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 8.9 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 58.5 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Vanadium | 0.0016 | J | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.20 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C RFI-31 D_0322 — Lab Sample ID: 480-195892-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 64 | | 4.0 | 1.6 | ug/L | 4 | | 8260C | Total/NA |
| 1,2-Dichlorobenzene | 4.9 | | 4.0 | 3.2 | ug/L | 4 | | 8260C | Total/NA |
| 1,3-Dichlorobenzene | 170 | F1 | 4.0 | 3.1 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 35 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 32 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 2,4-Dichlorophenol | 2.3 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.088 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.024 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 327 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 0.20 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 23.2 | F1 | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.10 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.3 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 1800 | | 5.0 | 1.6 | mg/L | 5 | | 6010C | Total/NA |
| Vanadium | 0.0043 | J | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0086 | J | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: TRIP BLANK — Lab Sample ID: 480-195892-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 1.2 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: BCC Area C RFI-20F_0322 — Lab Sample ID: 480-195892-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.0098 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.050 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 247 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.0011 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20F_0322 (Continued) — Lab Sample ID: 480-195892-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Iron | 6.8 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 15.2 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.50 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0032 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 8.7 | B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 54.2 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.087 | | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31_0322

**Date Collected: 03/17/22 09:20**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-1

**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 | | 4.0 | 3.3 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 03/19/22 12:21 | 4 |
| **1,2,4-Trichlorobenzene** | **66** | | 4.0 | 1.6 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 12:21 | 4 |
| **1,2-Dichlorobenzene** | **4.5** | | 4.0 | 3.2 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 03/19/22 12:21 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 12:21 | 4 |
| **1,3-Dichlorobenzene** | **170** | | 4.0 | 3.1 | ug/L | | | 03/19/22 12:21 | 4 |
| **1,4-Dichlorobenzene** | **35** | | 4.0 | 3.4 | ug/L | | | 03/19/22 12:21 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 03/19/22 12:21 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 03/19/22 12:21 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 03/19/22 12:21 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 03/19/22 12:21 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 12:21 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 12:21 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 03/19/22 12:21 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 03/19/22 12:21 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 03/19/22 12:21 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 03/19/22 12:21 | 4 |
| **Chlorobenzene** | **32** | | 4.0 | 3.0 | ug/L | | | 03/19/22 12:21 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 03/19/22 12:21 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 12:21 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 12:21 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 03/19/22 12:21 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 12:21 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 03/19/22 12:21 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 03/19/22 12:21 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 03/19/22 12:21 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 03/19/22 12:21 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 03/19/22 12:21 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 03/19/22 12:21 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 03/19/22 12:21 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 03/19/22 12:21 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 03/19/22 12:21 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 12:21 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 12:21 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 03/19/22 12:21 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 03/19/22 12:21 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 03/19/22 12:21 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 03/19/22 12:21 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 03/19/22 12:21 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 03/19/22 12:21 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 03/19/22 12:21 | 4 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31_0322

**Date Collected: 03/17/22 09:20**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-1

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *96* | | *77 - 120* | | *03/19/22 12:21* | *4* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *73 - 120* | | *03/19/22 12:21* | *4* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* | | *03/19/22 12:21* | *4* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 123* | | *03/19/22 12:21* | *4* |

### 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 | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |

## Client Sample ID: BCC Area C RFI-31_0322

**Date Collected: 03/17/22 09:20**
**Date Received: 03/17/22 15:30**

**Lab Sample ID: 480-195892-1**
**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 | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 01:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *122* | *S1+* | *41 - 120* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |
| *2-Fluorobiphenyl* | *65* | | *48 - 120* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |
| *2-Fluorophenol* | *45* | | *35 - 120* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |
| *Nitrobenzene-d5* | *57* | | *46 - 120* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |
| *Phenol-d5* | *32* | | *22 - 120* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |
| *p-Terphenyl-d14* | *66* | | *60 - 148* | *03/21/22 10:03* | *03/23/22 01:54* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.092** | **J** | 0.20 | 0.060 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Barium** | **0.024** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Calcium** | **317** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Chromium** | **0.0025** | **J** | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Copper** | **0.0026** | **J** | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Iron** | **0.22** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Magnesium** | **21.8** | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Manganese** | **0.096** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Potassium** | **11.2** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31_0322

**Date Collected: 03/17/22 09:20**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-1

**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 | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Sodium** | **1710** | | 5.0 | 1.6 | mg/L | | 03/21/22 09:54 | 03/28/22 19:52 | 5 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Vanadium** | **0.0046** | **J** | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |
| **Zinc** | **0.011** | | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 03/21/22 11:32 | 03/21/22 14:51 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C MW-C04_0322

**Date Collected: 03/17/22 12:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-2

**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 | | 5.0 | 4.1 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.1 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.6 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.2 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,1-Dichloroethane | ND | | 5.0 | 1.9 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,1-Dichloroethene | ND | | 5.0 | 1.5 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 2.1 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.0 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2-Dibromoethane | ND | | 5.0 | 3.7 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 4.0 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2-Dichloroethane | ND | | 5.0 | 1.1 | ug/L | | | 03/19/22 12:43 | 5 |
| 1,2-Dichloropropane | ND | | 5.0 | 3.6 | ug/L | | | 03/19/22 12:43 | 5 |
| **1,3-Dichlorobenzene** | **11** | | 5.0 | 3.9 | ug/L | | | 03/19/22 12:43 | 5 |
| **1,4-Dichlorobenzene** | **22** | | 5.0 | 4.2 | ug/L | | | 03/19/22 12:43 | 5 |
| 2-Butanone (MEK) | ND | | 50 | 6.6 | ug/L | | | 03/19/22 12:43 | 5 |
| 2-Hexanone | ND | | 25 | 6.2 | ug/L | | | 03/19/22 12:43 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 11 | ug/L | | | 03/19/22 12:43 | 5 |
| Acetone | ND | | 50 | 15 | ug/L | | | 03/19/22 12:43 | 5 |
| Benzene | ND | | 5.0 | 2.1 | ug/L | | | 03/19/22 12:43 | 5 |
| Bromodichloromethane | ND | | 5.0 | 2.0 | ug/L | | | 03/19/22 12:43 | 5 |
| Bromoform | ND | | 5.0 | 1.3 | ug/L | | | 03/19/22 12:43 | 5 |
| Bromomethane | ND | | 5.0 | 3.5 | ug/L | | | 03/19/22 12:43 | 5 |
| Carbon disulfide | ND | | 5.0 | 0.95 | ug/L | | | 03/19/22 12:43 | 5 |
| Carbon tetrachloride | ND | | 5.0 | 1.4 | ug/L | | | 03/19/22 12:43 | 5 |
| **Chlorobenzene** | **160** | | 5.0 | 3.8 | ug/L | | | 03/19/22 12:43 | 5 |
| Chloroethane | ND | | 5.0 | 1.6 | ug/L | | | 03/19/22 12:43 | 5 |
| Chloroform | ND | | 5.0 | 1.7 | ug/L | | | 03/19/22 12:43 | 5 |
| Chloromethane | ND | | 5.0 | 1.8 | ug/L | | | 03/19/22 12:43 | 5 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 4.1 | ug/L | | | 03/19/22 12:43 | 5 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.8 | ug/L | | | 03/19/22 12:43 | 5 |
| Cyclohexane | ND | | 5.0 | 0.90 | ug/L | | | 03/19/22 12:43 | 5 |
| Dibromochloromethane | ND | | 5.0 | 1.6 | ug/L | | | 03/19/22 12:43 | 5 |
| Dichlorodifluoromethane | ND | | 5.0 | 3.4 | ug/L | | | 03/19/22 12:43 | 5 |
| Ethylbenzene | ND | | 5.0 | 3.7 | ug/L | | | 03/19/22 12:43 | 5 |
| Isopropylbenzene | ND | | 5.0 | 4.0 | ug/L | | | 03/19/22 12:43 | 5 |
| Methyl acetate | ND | | 13 | 6.5 | ug/L | | | 03/19/22 12:43 | 5 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.80 | ug/L | | | 03/19/22 12:43 | 5 |
| Methylcyclohexane | ND | | 5.0 | 0.80 | ug/L | | | 03/19/22 12:43 | 5 |
| Methylene Chloride | ND | | 5.0 | 2.2 | ug/L | | | 03/19/22 12:43 | 5 |
| Styrene | ND | | 5.0 | 3.7 | ug/L | | | 03/19/22 12:43 | 5 |
| Tetrachloroethene | ND | | 5.0 | 1.8 | ug/L | | | 03/19/22 12:43 | 5 |
| Toluene | ND | | 5.0 | 2.6 | ug/L | | | 03/19/22 12:43 | 5 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 4.5 | ug/L | | | 03/19/22 12:43 | 5 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.9 | ug/L | | | 03/19/22 12:43 | 5 |
| Trichloroethene | ND | | 5.0 | 2.3 | ug/L | | | 03/19/22 12:43 | 5 |
| Trichlorofluoromethane | ND | | 5.0 | 4.4 | ug/L | | | 03/19/22 12:43 | 5 |
| Vinyl chloride | ND | | 5.0 | 4.5 | ug/L | | | 03/19/22 12:43 | 5 |
| Xylenes, Total | ND | | 10 | 3.3 | ug/L | | | 03/19/22 12:43 | 5 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C MW-C04_0322

**Date Collected: 03/17/22 12:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-2

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *77 - 120* | | *03/19/22 12:43* | *5* |
| *4-Bromofluorobenzene (Surr)* | *97* | | *73 - 120* | | *03/19/22 12:43* | *5* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *03/19/22 12:43* | *5* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 123* | | *03/19/22 12:43* | *5* |

### 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 | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| **2-Chlorophenol** | **0.71** | **J** | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C MW-C04_0322

**Date Collected: 03/17/22 12:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-2

**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 | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 16:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *138* | *S1+* | *41 - 120* | *03/21/22 10:03* | *03/23/22 16:43* | *1* |
| *2-Fluorobiphenyl* | *90* | | *48 - 120* | *03/21/22 10:03* | *03/23/22 16:43* | *1* |
| *2-Fluorophenol* | *52* | | *35 - 120* | *03/21/22 10:03* | *03/23/22 16:43* | *1* |
| *Nitrobenzene-d5* | *71* | | *46 - 120* | *03/21/22 10:03* | *03/23/22 16:43* | *1* |
| *Phenol-d5* | *39* | | *22 - 120* | *03/21/22 10:03* | *03/23/22 16:43* | *1* |
| *p-Terphenyl-d14* | *70* | | *60 - 148* | *03/21/22 10:03* | *03/23/22 16:43* | *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 09:54 | 03/26/22 01:26 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Barium** | **0.41** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Calcium** | **234** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Copper** | **0.0017** | **J** | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Iron** | **7.8** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Lead** | **0.0032** | **J** | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Magnesium** | **33.5** | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Manganese** | **0.94** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Nickel** | **0.0042** | **J** | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Potassium** | **9.8** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C MW-C04_0322

**Lab Sample ID: 480-195892-2**

**Date Collected: 03/17/22 12:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 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 | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Sodium** | **105** | | 1.0 | 0.32 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 1 |
| **Zinc** | **0.012** | | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:26 | 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 14:53 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C PS-05A_0322

**Date Collected: 03/17/22 14:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-3

**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 | | | 03/22/22 14:58 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | *+ | 1.0 | 0.39 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/22/22 14:58 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/22/22 14:58 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/22/22 14:58 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/22/22 14:58 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/22/22 14:58 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/22/22 14:58 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/22/22 14:58 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/22/22 14:58 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/22/22 14:58 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/22/22 14:58 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/22/22 14:58 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/22/22 14:58 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/22/22 14:58 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/22/22 14:58 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/22/22 14:58 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/22/22 14:58 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/22/22 14:58 | 1 |
| cis-1,3-Dichloropropene | ND | *+ | 1.0 | 0.36 | ug/L | | | 03/22/22 14:58 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/22/22 14:58 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/22/22 14:58 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/22/22 14:58 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/22/22 14:58 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/22/22 14:58 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/22/22 14:58 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/22/22 14:58 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/22/22 14:58 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/22/22 14:58 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/22/22 14:58 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/22/22 14:58 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/22/22 14:58 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 03/22/22 14:58 | 1 |
| trans-1,3-Dichloropropene | ND | *+ | 1.0 | 0.37 | ug/L | | | 03/22/22 14:58 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/22/22 14:58 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/22/22 14:58 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/22/22 14:58 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/22/22 14:58 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C PS-05A_0322

**Date Collected: 03/17/22 14:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-3

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *77 - 120* | | *03/22/22 14:58* | *1* |
| *4-Bromofluorobenzene (Surr)* | *99* | | *73 - 120* | | *03/22/22 14:58* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *80 - 120* | | *03/22/22 14:58* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 123* | | *03/22/22 14:58* | *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 | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C PS-05A_0322

**Date Collected: 03/17/22 14:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-3

**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 | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/23/22 17:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *133* | *S1+* | *41 - 120* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |
| *2-Fluorobiphenyl* | *88* | | *48 - 120* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |
| *2-Fluorophenol* | *50* | | *35 - 120* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |
| *Nitrobenzene-d5* | *66* | | *46 - 120* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |
| *Phenol-d5* | *37* | | *22 - 120* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |
| *p-Terphenyl-d14* | *77* | | *60 - 148* | *03/21/22 10:03* | *03/23/22 17:11* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.18** | **J** | 0.20 | 0.060 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Arsenic** | **0.0083** | **J** | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Barium** | **0.052** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Calcium** | **109** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Chromium** | **0.0014** | **J** | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Copper** | **0.0042** | **J** | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Iron** | **0.63** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Magnesium** | **21.2** | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Manganese** | **0.018** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Nickel** | **0.0017** | **J** | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Potassium** | **4.6** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C PS-05A_0322

**Lab Sample ID: 480-195892-3**

**Date Collected: 03/17/22 14:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 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 | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Sodium** | **35.7** | | 1.0 | 0.32 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 1 |
| **Zinc** | **0.0092** | **J** | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:30 | 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 14:54 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20_0322

**Date Collected: 03/17/22 13:40**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-4

**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 | | 1.0 | 0.82 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/19/22 13:29 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/19/22 13:29 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/19/22 13:29 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/19/22 13:29 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/19/22 13:29 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/19/22 13:29 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 13:29 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 13:29 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/19/22 13:29 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/19/22 13:29 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/19/22 13:29 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/19/22 13:29 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/19/22 13:29 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 13:29 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/19/22 13:29 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/19/22 13:29 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/19/22 13:29 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 13:29 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/19/22 13:29 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 13:29 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/19/22 13:29 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/19/22 13:29 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 13:29 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/19/22 13:29 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 13:29 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 13:29 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/19/22 13:29 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 13:29 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 13:29 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/19/22 13:29 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 13:29 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 03/19/22 13:29 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/19/22 13:29 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/19/22 13:29 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 13:29 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/19/22 13:29 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20_0322

**Date Collected: 03/17/22 13:40**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-4

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* | | *03/19/22 13:29* | *1* |
| *4-Bromofluorobenzene (Surr)* | *99* | | *73 - 120* | | *03/19/22 13:29* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *03/19/22 13:29* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 123* | | *03/19/22 13:29* | *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 | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20_0322

**Date Collected: 03/17/22 13:40**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-4

**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 | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/25/22 00:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *85* | | *41 - 120* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |
| *2-Fluorobiphenyl* | *78* | | *48 - 120* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |
| *2-Fluorophenol* | *52* | | *35 - 120* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |
| *Nitrobenzene-d5* | *73* | | *46 - 120* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |
| *Phenol-d5* | *41* | | *22 - 120* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |
| *p-Terphenyl-d14* | *71* | | *60 - 148* | *03/21/22 10:03* | *03/25/22 00:15* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.12** | **J** | 0.20 | 0.060 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Antimony** | **0.0070** | **J** | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Arsenic** | **0.073** | | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Barium** | **0.087** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Calcium** | **252** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Cobalt** | **0.0011** | **J** | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Iron** | **47.5** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Lead** | **0.0039** | **J** | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Magnesium** | **15.5** | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Manganese** | **0.52** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Nickel** | **0.0050** | **J** | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Potassium** | **8.9** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20_0322

**Lab Sample ID: 480-195892-4**

**Date Collected: 03/17/22 13:40**
**Matrix: Ground Water**
**Date Received: 03/17/22 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 | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Sodium** | **58.5** | | 1.0 | 0.32 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Vanadium** | **0.0016** | **J** | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 1 |
| **Zinc** | **0.20** | | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:45 | 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 14:59 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31 D_0322

**Date Collected: 03/17/22 09:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-5

**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 | | 4.0 | 3.3 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 03/19/22 13:52 | 4 |
| **1,2,4-Trichlorobenzene** | **64** | | 4.0 | 1.6 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 13:52 | 4 |
| **1,2-Dichlorobenzene** | **4.9** | | 4.0 | 3.2 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 03/19/22 13:52 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 13:52 | 4 |
| **1,3-Dichlorobenzene** | **170** | **F1** | 4.0 | 3.1 | ug/L | | | 03/19/22 13:52 | 4 |
| **1,4-Dichlorobenzene** | **35** | | 4.0 | 3.4 | ug/L | | | 03/19/22 13:52 | 4 |
| 2-Butanone (MEK) | ND | | 40 | 5.3 | ug/L | | | 03/19/22 13:52 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 03/19/22 13:52 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 03/19/22 13:52 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 03/19/22 13:52 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 13:52 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 03/19/22 13:52 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 03/19/22 13:52 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 03/19/22 13:52 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 03/19/22 13:52 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 03/19/22 13:52 | 4 |
| **Chlorobenzene** | **32** | | 4.0 | 3.0 | ug/L | | | 03/19/22 13:52 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 03/19/22 13:52 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 13:52 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 13:52 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 03/19/22 13:52 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 13:52 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 03/19/22 13:52 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 03/19/22 13:52 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 03/19/22 13:52 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 03/19/22 13:52 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 03/19/22 13:52 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 03/19/22 13:52 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 03/19/22 13:52 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 03/19/22 13:52 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 03/19/22 13:52 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 03/19/22 13:52 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 03/19/22 13:52 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 03/19/22 13:52 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 03/19/22 13:52 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 03/19/22 13:52 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 03/19/22 13:52 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 03/19/22 13:52 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 03/19/22 13:52 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 03/19/22 13:52 | 4 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31 D_0322

**Date Collected: 03/17/22 09:30**
**Date Received: 03/17/22 15:30**

## Lab Sample ID: 480-195892-5

**Matrix: Ground Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *77 - 120* | | *03/19/22 13:52* | *4* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* | | *03/19/22 13:52* | *4* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *03/19/22 13:52* | *4* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 123* | | *03/19/22 13:52* | *4* |

### 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 | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| **2,4-Dichlorophenol** | **2.3** | **J** | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 3,3'-Dichlorobenzidine | ND | F1 F2 | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Aniline | ND | F1 | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |

## Client Sample ID: BCC Area C RFI-31 D_0322

**Lab Sample ID: 480-195892-5**

**Date Collected: 03/17/22 09:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 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 | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/22/22 19:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *96* | | *41 - 120* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |
| *2-Fluorobiphenyl* | *62* | | *48 - 120* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |
| *2-Fluorophenol* | *39* | | *35 - 120* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |
| *Nitrobenzene-d5* | *50* | | *46 - 120* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |
| *Phenol-d5* | *28* | | *22 - 120* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |
| *p-Terphenyl-d14* | *58* | *S1-* | *60 - 148* | *03/21/22 10:03* | *03/22/22 19:02* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.088** | **J** | 0.20 | 0.060 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Barium** | **0.024** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Calcium** | **327** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Iron** | **0.20** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Magnesium** | **23.2** | **F1** | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Manganese** | **0.10** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Potassium** | **11.3** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31 D_0322

**Lab Sample ID: 480-195892-5**

**Date Collected: 03/17/22 09:30**
**Date Received: 03/17/22 15:30**

**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 | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Sodium** | **1800** | | 5.0 | 1.6 | mg/L | | 03/21/22 09:54 | 03/28/22 19:56 | 5 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Vanadium** | **0.0043** | **J** | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 1 |
| **Zinc** | **0.0086** | **J** | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:48 | 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 15:01 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-195892-6**

**Date Collected: 03/17/22 00:00**
**Date Received: 03/17/22 15:30**

**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 | | | 03/19/22 14:15 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/19/22 14:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/19/22 14:15 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/19/22 14:15 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/19/22 14:15 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/19/22 14:15 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/19/22 14:15 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 14:15 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 14:15 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/19/22 14:15 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/19/22 14:15 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/19/22 14:15 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/19/22 14:15 | 1 |
| **Chlorobenzene** | **1.2** | | 1.0 | 0.75 | ug/L | | | 03/19/22 14:15 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 14:15 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/19/22 14:15 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/19/22 14:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/19/22 14:15 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 14:15 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/19/22 14:15 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 14:15 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/19/22 14:15 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/19/22 14:15 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 14:15 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/19/22 14:15 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 14:15 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 14:15 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/19/22 14:15 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 14:15 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 14:15 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/19/22 14:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 14:15 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 03/19/22 14:15 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/19/22 14:15 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/19/22 14:15 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 14:15 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/19/22 14:15 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-195892-6**

**Date Collected: 03/17/22 00:00**

**Matrix: Water**

**Date Received: 03/17/22 15:30**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 77 - 120 | | 03/19/22 14:15 | 1 |
| 4-Bromofluorobenzene (Surr) | 100 | | 73 - 120 | | 03/19/22 14:15 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | | 03/19/22 14:15 | 1 |
| Dibromofluoromethane (Surr) | 100 | | 75 - 123 | | 03/19/22 14:15 | 1 |

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20F_0322

**Lab Sample ID: 480-195892-7**

**Date Collected: 03/17/22 13:45**
**Matrix: Water**
**Date Received: 03/17/22 15:30**

### 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 09:54 | 03/26/22 02:07 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Arsenic** | **0.0098** | **J** | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Barium** | **0.050** | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Calcium** | **247** | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Cobalt** | **0.0011** | **J** | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Iron** | **6.8** | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Magnesium** | **15.2** | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Manganese** | **0.50** | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Nickel** | **0.0032** | **J** | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Potassium** | **8.7** | **B** | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Sodium** | **54.2** | | 1.0 | 0.32 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 1 |
| **Zinc** | **0.087** | | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 02:07 | 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 15:06 | 1 |

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## 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) |
| 480-195892-1 | BCC Area C RFI-31_0322 | 96 | 98 | 101 | 96 |
| 480-195892-2 | BCC Area C MW-C04_0322 | 101 | 97 | 99 | 95 |
| 480-195892-3 | BCC Area C PS-05A_0322 | 97 | 99 | 93 | 94 |
| 480-195892-4 | BCC Area C RFI-20_0322 | 99 | 99 | 99 | 98 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | 97 | 102 | 100 | 94 |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | 98 | 101 | 99 | 98 |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | 96 | 102 | 100 | 94 |

**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) |
| 480-195892-6 | TRIP BLANK | 102 | 100 | 98 | 100 |
| LCS 480-618411/5 | Lab Control Sample | 91 | 93 | 92 | 91 |
| LCS 480-618577/6 | Lab Control Sample | 95 | 104 | 97 | 98 |
| MB 480-618411/7 | Method Blank | 93 | 95 | 92 | 89 |
| MB 480-618577/8 | Method Blank | 101 | 103 | 97 | 98 |

**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) |
| 480-195892-1 | BCC Area C RFI-31_0322 | 122 S1+ | 65 | 45 | 57 | 32 | 66 |
| 480-195892-2 | BCC Area C MW-C04_0322 | 138 S1+ | 90 | 52 | 71 | 39 | 70 |
| 480-195892-3 | BCC Area C PS-05A_0322 | 133 S1+ | 88 | 50 | 66 | 37 | 77 |
| 480-195892-4 | BCC Area C RFI-20_0322 | 85 | 78 | 52 | 73 | 41 | 71 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | 96 | 62 | 39 | 50 | 28 | 58 S1- |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | 138 S1+ | 94 | 48 | 66 | 36 | 55 S1- |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | 136 S1+ | 86 | 46 | 64 | 36 | 55 S1- |

**Surrogate Legend**

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

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Job ID: 480-195892-1
Project/Site: OSC- Former Buffalo Color Sites - 37745

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 480-618471/2-A | Lab Control Sample | 124 S1+ | 102 | 65 | 87 | 48 | 93 |
| MB 480-618471/1-A | Method Blank | 111 | 106 | 66 | 88 | 49 | 105 |

**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 480-618411/7**
**Matrix: Water**
**Analysis Batch: 618411**

**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 | | | 03/19/22 10:43 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/19/22 10:43 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/19/22 10:43 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/19/22 10:43 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/19/22 10:43 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/19/22 10:43 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/19/22 10:43 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/19/22 10:43 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/19/22 10:43 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/19/22 10:43 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/19/22 10:43 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/19/22 10:43 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/19/22 10:43 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/19/22 10:43 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 10:43 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/19/22 10:43 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/19/22 10:43 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/19/22 10:43 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 10:43 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/19/22 10:43 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/19/22 10:43 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/19/22 10:43 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/19/22 10:43 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/19/22 10:43 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/19/22 10:43 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 10:43 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/19/22 10:43 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/19/22 10:43 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/19/22 10:43 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/19/22 10:43 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/19/22 10:43 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 10:43 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 03/19/22 10:43 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/19/22 10:43 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/19/22 10:43 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/19/22 10:43 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/19/22 10:43 | 1 |

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

**Lab Sample ID: MB 480-618411/7**
**Matrix: Water**
**Analysis Batch: 618411**

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

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 77 - 120 | | 03/19/22 10:43 | 1 |
| 4-Bromofluorobenzene (Surr) | 95 | | 73 - 120 | | 03/19/22 10:43 | 1 |
| Toluene-d8 (Surr) | 92 | | 80 - 120 | | 03/19/22 10:43 | 1 |
| Dibromofluoromethane (Surr) | 89 | | 75 - 123 | | 03/19/22 10:43 | 1 |

**Lab Sample ID: LCS 480-618411/5**
**Matrix: Water**
**Analysis Batch: 618411**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 25.0 | 23.6 | | ug/L | | 95 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 27.5 | | ug/L | | 110 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 19.5 | | ug/L | | 78 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 26.9 | | ug/L | | 107 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 24.6 | | ug/L | | 98 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 22.3 | | ug/L | | 89 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 27.7 | | ug/L | | 111 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 28.8 | | ug/L | | 115 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 27.3 | | ug/L | | 109 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 26.1 | | ug/L | | 105 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 24.7 | | ug/L | | 99 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 26.6 | | ug/L | | 106 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 25.4 | | ug/L | | 102 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 25.1 | | ug/L | | 101 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 145 | | ug/L | | 116 | 57 - 140 |
| 2-Hexanone | 125 | 149 | | ug/L | | 119 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 144 | | ug/L | | 115 | 71 - 125 |
| Acetone | 125 | 131 | | ug/L | | 105 | 56 - 142 |
| Benzene | 25.0 | 24.7 | | ug/L | | 99 | 71 - 124 |
| Bromodichloromethane | 25.0 | 25.7 | | ug/L | | 103 | 80 - 122 |
| Bromoform | 25.0 | 26.4 | | ug/L | | 105 | 61 - 132 |
| Bromomethane | 25.0 | 26.3 | | ug/L | | 105 | 55 - 144 |
| Carbon disulfide | 25.0 | 23.0 | | ug/L | | 92 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 21.7 | | ug/L | | 87 | 72 - 134 |
| Chlorobenzene | 25.0 | 24.2 | | ug/L | | 97 | 80 - 120 |
| Chloroethane | 25.0 | 24.5 | | ug/L | | 98 | 69 - 136 |
| Chloroform | 25.0 | 24.7 | | ug/L | | 99 | 73 - 127 |
| Chloromethane | 25.0 | 24.5 | | ug/L | | 98 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 24.5 | | ug/L | | 98 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 28.6 | | ug/L | | 114 | 74 - 124 |
| Cyclohexane | 25.0 | 20.0 | | ug/L | | 80 | 59 - 135 |
| Dibromochloromethane | 25.0 | 25.8 | | ug/L | | 103 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 21.1 | | ug/L | | 84 | 59 - 135 |
| Ethylbenzene | 25.0 | 24.5 | | ug/L | | 98 | 77 - 123 |
| Isopropylbenzene | 25.0 | 26.1 | | ug/L | | 104 | 77 - 122 |
| Methyl acetate | 50.0 | 54.0 | | ug/L | | 108 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 28.0 | | ug/L | | 112 | 77 - 120 |
| Methylcyclohexane | 25.0 | 19.2 | | ug/L | | 77 | 68 - 134 |

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

**Lab Sample ID: LCS 480-618411/5**
**Matrix: Water**
**Analysis Batch: 618411**

**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 | 25.9 | | ug/L | | 104 | 80 - 120 |
| Tetrachloroethene | 25.0 | 22.2 | | ug/L | | 89 | 74 - 122 |
| Toluene | 25.0 | 24.5 | | ug/L | | 98 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 23.3 | | ug/L | | 93 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 27.3 | | ug/L | | 109 | 80 - 120 |
| Trichloroethene | 25.0 | 23.6 | | ug/L | | 94 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 21.5 | | ug/L | | 86 | 62 - 150 |
| Vinyl chloride | 25.0 | 25.0 | | ug/L | | 100 | 65 - 133 |
| Xylenes, Total | 50.0 | 51.4 | | ug/L | | 103 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *93* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *92* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 123* |

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618411**

**Client Sample ID: BCC Area C RFI-31 MS_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 | | 100 | 99.5 | | ug/L | | 100 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | ND | | 100 | 103 | | ug/L | | 103 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 100 | 93.0 | | ug/L | | 93 | 61 - 148 |
| 1,1,2-Trichloroethane | ND | | 100 | 102 | | ug/L | | 102 | 76 - 122 |
| 1,1-Dichloroethane | ND | | 100 | 101 | | ug/L | | 101 | 77 - 120 |
| 1,1-Dichloroethene | ND | | 100 | 96.5 | | ug/L | | 97 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 64 | | 100 | 165 | | ug/L | | 101 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | ND | | 100 | 106 | | ug/L | | 106 | 56 - 134 |
| 1,2-Dibromoethane | ND | | 100 | 104 | | ug/L | | 104 | 77 - 120 |
| 1,2-Dichlorobenzene | 4.9 | | 100 | 103 | | ug/L | | 98 | 80 - 124 |
| 1,2-Dichloroethane | ND | | 100 | 95.7 | | ug/L | | 96 | 75 - 120 |
| 1,2-Dichloropropane | ND | | 100 | 105 | | ug/L | | 105 | 76 - 120 |
| 1,3-Dichlorobenzene | 170 | F1 | 100 | 252 | | ug/L | | 82 | 77 - 120 |
| 1,4-Dichlorobenzene | 35 | | 100 | 130 | | ug/L | | 95 | 78 - 124 |
| 2-Butanone (MEK) | ND | | 500 | 526 | | ug/L | | 105 | 57 - 140 |
| 2-Hexanone | ND | | 500 | 557 | | ug/L | | 111 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 500 | 535 | | ug/L | | 107 | 71 - 125 |
| Acetone | ND | | 500 | 434 | | ug/L | | 87 | 56 - 142 |
| Benzene | ND | | 100 | 101 | | ug/L | | 101 | 71 - 124 |
| Bromodichloromethane | ND | | 100 | 102 | | ug/L | | 102 | 80 - 122 |
| Bromoform | ND | | 100 | 110 | | ug/L | | 110 | 61 - 132 |
| Bromomethane | ND | | 100 | 119 | | ug/L | | 119 | 55 - 144 |
| Carbon disulfide | ND | | 100 | 96.2 | | ug/L | | 96 | 59 - 134 |
| Carbon tetrachloride | ND | | 100 | 100 | | ug/L | | 100 | 72 - 134 |
| Chlorobenzene | 32 | | 100 | 128 | | ug/L | | 96 | 80 - 120 |
| Chloroethane | ND | | 100 | 99.5 | | ug/L | | 99 | 69 - 136 |

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

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618411**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | | 100 | 100 | | ug/L | | 100 | 73 - 127 |
| Chloromethane | ND | | 100 | 102 | | ug/L | | 102 | 68 - 124 |
| cis-1,2-Dichloroethene | ND | | 100 | 99.0 | | ug/L | | 99 | 74 - 124 |
| cis-1,3-Dichloropropene | ND | | 100 | 106 | | ug/L | | 106 | 74 - 124 |
| Cyclohexane | ND | | 100 | 93.4 | | ug/L | | 93 | 59 - 135 |
| Dibromochloromethane | ND | | 100 | 105 | | ug/L | | 105 | 75 - 125 |
| Dichlorodifluoromethane | ND | | 100 | 107 | | ug/L | | 107 | 59 - 135 |
| Ethylbenzene | ND | | 100 | 99.8 | | ug/L | | 100 | 77 - 123 |
| Isopropylbenzene | ND | | 100 | 105 | | ug/L | | 105 | 77 - 122 |
| Methyl acetate | ND | | 200 | 189 | | ug/L | | 95 | 74 - 133 |
| Methyl tert-butyl ether | ND | | 100 | 103 | | ug/L | | 103 | 77 - 120 |
| Methylcyclohexane | ND | | 100 | 89.3 | | ug/L | | 89 | 68 - 134 |
| Methylene Chloride | ND | | 100 | 103 | | ug/L | | 103 | 75 - 124 |
| Styrene | ND | | 100 | 105 | | ug/L | | 105 | 80 - 120 |
| Tetrachloroethene | ND | | 100 | 93.5 | | ug/L | | 94 | 74 - 122 |
| Toluene | ND | | 100 | 99.6 | | ug/L | | 100 | 80 - 122 |
| trans-1,2-Dichloroethene | ND | | 100 | 97.6 | | ug/L | | 98 | 73 - 127 |
| trans-1,3-Dichloropropene | ND | | 100 | 103 | | ug/L | | 103 | 80 - 120 |
| Trichloroethene | ND | | 100 | 97.4 | | ug/L | | 97 | 74 - 123 |
| Trichlorofluoromethane | ND | | 100 | 104 | | ug/L | | 104 | 62 - 150 |
| Vinyl chloride | ND | | 100 | 109 | | ug/L | | 109 | 65 - 133 |
| Xylenes, Total | ND | | 200 | 211 | | ug/L | | 106 | 76 - 122 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 123* |

**Lab Sample ID: 480-195892-5 MSD**
**Matrix: Ground Water**
**Analysis Batch: 618411**

**Client Sample ID: BCC Area C RFI-31 MSD_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 | | 100 | 93.3 | | ug/L | | 93 | 73 - 126 | 7 | 15 |
| 1,1,2,2-Tetrachloroethane | ND | | 100 | 105 | | ug/L | | 105 | 76 - 120 | 2 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | ND | | 100 | 86.2 | | ug/L | | 86 | 61 - 148 | 8 | 20 |
| 1,1,2-Trichloroethane | ND | | 100 | 105 | | ug/L | | 105 | 76 - 122 | 2 | 15 |
| 1,1-Dichloroethane | ND | | 100 | 96.9 | | ug/L | | 97 | 77 - 120 | 4 | 20 |
| 1,1-Dichloroethene | ND | | 100 | 91.1 | | ug/L | | 91 | 66 - 127 | 6 | 16 |
| 1,2,4-Trichlorobenzene | 64 | | 100 | 164 | | ug/L | | 100 | 79 - 122 | 0 | 20 |
| 1,2-Dibromo-3-Chloropropane | ND | | 100 | 111 | | ug/L | | 111 | 56 - 134 | 4 | 15 |
| 1,2-Dibromoethane | ND | | 100 | 106 | | ug/L | | 106 | 77 - 120 | 2 | 15 |
| 1,2-Dichlorobenzene | 4.9 | | 100 | 103 | | ug/L | | 98 | 80 - 124 | 0 | 20 |
| 1,2-Dichloroethane | ND | | 100 | 92.1 | | ug/L | | 92 | 75 - 120 | 4 | 20 |
| 1,2-Dichloropropane | ND | | 100 | 102 | | ug/L | | 102 | 76 - 120 | 3 | 20 |
| 1,3-Dichlorobenzene | 170 | F1 | 100 | 247 | F1 | ug/L | | 76 | 77 - 120 | 2 | 20 |
| 1,4-Dichlorobenzene | 35 | | 100 | 126 | | ug/L | | 91 | 78 - 124 | 3 | 20 |

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

**Lab Sample ID: 480-195892-5 MSD**
**Matrix: Ground Water**
**Analysis Batch: 618411**

**Client Sample ID: BCC Area C RFI-31 MSD_0322**
**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 | | 500 | 513 | | ug/L | | 103 | 57 - 140 | 3 | 20 |
| 2-Hexanone | ND | | 500 | 562 | | ug/L | | 112 | 65 - 127 | 1 | 15 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 500 | 546 | | ug/L | | 109 | 71 - 125 | 2 | 35 |
| Acetone | ND | | 500 | 421 | | ug/L | | 84 | 56 - 142 | 3 | 15 |
| Benzene | ND | | 100 | 95.7 | | ug/L | | 96 | 71 - 124 | 5 | 13 |
| Bromodichloromethane | ND | | 100 | 103 | | ug/L | | 103 | 80 - 122 | 1 | 15 |
| Bromoform | ND | | 100 | 109 | | ug/L | | 109 | 61 - 132 | 1 | 15 |
| Bromomethane | ND | | 100 | 104 | | ug/L | | 104 | 55 - 144 | 14 | 15 |
| Carbon disulfide | ND | | 100 | 90.0 | | ug/L | | 90 | 59 - 134 | 7 | 15 |
| Carbon tetrachloride | ND | | 100 | 94.1 | | ug/L | | 94 | 72 - 134 | 6 | 15 |
| Chlorobenzene | 32 | | 100 | 127 | | ug/L | | 95 | 80 - 120 | 1 | 25 |
| Chloroethane | ND | | 100 | 91.9 | | ug/L | | 92 | 69 - 136 | 8 | 15 |
| Chloroform | ND | | 100 | 94.6 | | ug/L | | 95 | 73 - 127 | 6 | 20 |
| Chloromethane | ND | | 100 | 97.8 | | ug/L | | 98 | 68 - 124 | 4 | 15 |
| cis-1,2-Dichloroethene | ND | | 100 | 95.0 | | ug/L | | 95 | 74 - 124 | 4 | 15 |
| cis-1,3-Dichloropropene | ND | | 100 | 105 | | ug/L | | 105 | 74 - 124 | 1 | 15 |
| Cyclohexane | ND | | 100 | 88.4 | | ug/L | | 88 | 59 - 135 | 6 | 20 |
| Dibromochloromethane | ND | | 100 | 104 | | ug/L | | 104 | 75 - 125 | 1 | 15 |
| Dichlorodifluoromethane | ND | | 100 | 103 | | ug/L | | 103 | 59 - 135 | 4 | 20 |
| Ethylbenzene | ND | | 100 | 98.6 | | ug/L | | 99 | 77 - 123 | 1 | 15 |
| Isopropylbenzene | ND | | 100 | 101 | | ug/L | | 101 | 77 - 122 | 3 | 20 |
| Methyl acetate | ND | | 200 | 190 | | ug/L | | 95 | 74 - 133 | 0 | 20 |
| Methyl tert-butyl ether | ND | | 100 | 99.3 | | ug/L | | 99 | 77 - 120 | 3 | 37 |
| Methylcyclohexane | ND | | 100 | 84.0 | | ug/L | | 84 | 68 - 134 | 6 | 20 |
| Methylene Chloride | ND | | 100 | 99.1 | | ug/L | | 99 | 75 - 124 | 4 | 15 |
| Styrene | ND | | 100 | 103 | | ug/L | | 103 | 80 - 120 | 3 | 20 |
| Tetrachloroethene | ND | | 100 | 89.9 | | ug/L | | 90 | 74 - 122 | 4 | 20 |
| Toluene | ND | | 100 | 99.3 | | ug/L | | 99 | 80 - 122 | 0 | 15 |
| trans-1,2-Dichloroethene | ND | | 100 | 92.5 | | ug/L | | 92 | 73 - 127 | 5 | 20 |
| trans-1,3-Dichloropropene | ND | | 100 | 108 | | ug/L | | 108 | 80 - 120 | 5 | 15 |
| Trichloroethene | ND | | 100 | 92.2 | | ug/L | | 92 | 74 - 123 | 6 | 16 |
| Trichlorofluoromethane | ND | | 100 | 96.1 | | ug/L | | 96 | 62 - 150 | 7 | 20 |
| Vinyl chloride | ND | | 100 | 103 | | ug/L | | 103 | 65 - 133 | 6 | 15 |
| Xylenes, Total | ND | | 200 | 210 | | ug/L | | 105 | 76 - 122 | 0 | 16 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *96* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 123* |

**Lab Sample ID: MB 480-618577/8**
**Matrix: Water**
**Analysis Batch: 618577**

**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 | | | 03/22/22 12:49 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/22/22 12:49 | 1 |

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

**Lab Sample ID: MB 480-618577/8**
**Matrix: Water**
**Analysis Batch: 618577**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/22/22 12:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/22/22 12:49 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/22/22 12:49 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/22/22 12:49 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/22/22 12:49 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/22/22 12:49 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/22/22 12:49 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/22/22 12:49 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/22/22 12:49 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/22/22 12:49 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/22/22 12:49 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/22/22 12:49 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/22/22 12:49 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/22/22 12:49 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/22/22 12:49 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/22/22 12:49 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/22/22 12:49 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 03/22/22 12:49 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/22/22 12:49 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/22/22 12:49 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/22/22 12:49 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/22/22 12:49 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/22/22 12:49 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/22/22 12:49 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/22/22 12:49 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/22/22 12:49 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/22/22 12:49 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/22/22 12:49 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/22/22 12:49 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/22/22 12:49 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 03/22/22 12:49 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 03/22/22 12:49 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/22/22 12:49 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/22/22 12:49 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/22/22 12:49 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/22/22 12:49 | 1 |

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

**Lab Sample ID: MB 480-618577/8**
**Matrix: Water**
**Analysis Batch: 618577**

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

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 77 - 120 | | 03/22/22 12:49 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | | 73 - 120 | | 03/22/22 12:49 | 1 |
| Toluene-d8 (Surr) | 97 | | 80 - 120 | | 03/22/22 12:49 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 75 - 123 | | 03/22/22 12:49 | 1 |

**Lab Sample ID: LCS 480-618577/6**
**Matrix: Water**
**Analysis Batch: 618577**

**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 | 29.3 | | ug/L | | 117 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 22.7 | | ug/L | | 91 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 21.7 | | ug/L | | 87 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 24.6 | | ug/L | | 98 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 22.4 | | ug/L | | 90 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 20.4 | | ug/L | | 82 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 25.2 | | ug/L | | 101 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 34.1 | *+ | ug/L | | 136 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 29.1 | | ug/L | | 117 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 24.5 | | ug/L | | 98 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 23.3 | | ug/L | | 93 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 23.8 | | ug/L | | 95 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 24.1 | | ug/L | | 96 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 23.8 | | ug/L | | 95 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 115 | | ug/L | | 92 | 57 - 140 |
| 2-Hexanone | 125 | 127 | | ug/L | | 101 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 115 | | ug/L | | 92 | 71 - 125 |
| Acetone | 125 | 93.5 | | ug/L | | 75 | 56 - 142 |
| Benzene | 25.0 | 23.9 | | ug/L | | 95 | 71 - 124 |
| Bromodichloromethane | 25.0 | 27.0 | | ug/L | | 108 | 80 - 122 |
| Bromoform | 25.0 | 32.6 | | ug/L | | 130 | 61 - 132 |
| Bromomethane | 25.0 | 20.0 | | ug/L | | 80 | 55 - 144 |
| Carbon disulfide | 25.0 | 20.5 | | ug/L | | 82 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 33.0 | | ug/L | | 132 | 72 - 134 |
| Chlorobenzene | 25.0 | 24.1 | | ug/L | | 96 | 80 - 120 |
| Chloroethane | 25.0 | 21.5 | | ug/L | | 86 | 69 - 136 |
| Chloroform | 25.0 | 22.6 | | ug/L | | 90 | 73 - 127 |
| Chloromethane | 25.0 | 22.8 | | ug/L | | 91 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 23.1 | | ug/L | | 93 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 31.7 | *+ | ug/L | | 127 | 74 - 124 |
| Cyclohexane | 25.0 | 25.6 | | ug/L | | 102 | 59 - 135 |
| Dibromochloromethane | 25.0 | 29.6 | | ug/L | | 119 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 24.3 | | ug/L | | 97 | 59 - 135 |
| Ethylbenzene | 25.0 | 25.8 | | ug/L | | 103 | 77 - 123 |
| Isopropylbenzene | 25.0 | 25.4 | | ug/L | | 101 | 77 - 122 |
| Methyl acetate | 50.0 | 41.5 | | ug/L | | 83 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 25.0 | | ug/L | | 100 | 77 - 120 |
| Methylcyclohexane | 25.0 | 26.8 | | ug/L | | 107 | 68 - 134 |

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

**Lab Sample ID: LCS 480-618577/6**
**Matrix: Water**
**Analysis Batch: 618577**

**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 | 23.0 | | ug/L | | 92 | 75 - 124 |
| Styrene | 25.0 | 27.3 | | ug/L | | 109 | 80 - 120 |
| Tetrachloroethene | 25.0 | 25.7 | | ug/L | | 103 | 74 - 122 |
| Toluene | 25.0 | 23.8 | | ug/L | | 95 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 23.5 | | ug/L | | 94 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 37.6 | *+ | ug/L | | 151 | 80 - 120 |
| Trichloroethene | 25.0 | 24.8 | | ug/L | | 99 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 24.0 | | ug/L | | 96 | 62 - 150 |
| Vinyl chloride | 25.0 | 24.1 | | ug/L | | 96 | 65 - 133 |
| Xylenes, Total | 50.0 | 52.1 | | ug/L | | 104 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 123* |

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

**Lab Sample ID: MB 480-618471/1-A**
**Matrix: Water**
**Analysis Batch: 618626**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |

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

**Lab Sample ID: MB 480-618471/1-A**
**Matrix: Water**
**Analysis Batch: 618626**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 0.31 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 03/21/22 10:03 | 03/22/22 17:12 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *111* | | *41 - 120* | *03/21/22 10:03* | *03/22/22 17:12* | *1* |
| *2-Fluorobiphenyl* | *106* | | *48 - 120* | *03/21/22 10:03* | *03/22/22 17:12* | *1* |
| *2-Fluorophenol* | *66* | | *35 - 120* | *03/21/22 10:03* | *03/22/22 17:12* | *1* |
| *Nitrobenzene-d5* | *88* | | *46 - 120* | *03/21/22 10:03* | *03/22/22 17:12* | *1* |
| *Phenol-d5* | *49* | | *22 - 120* | *03/21/22 10:03* | *03/22/22 17:12* | *1* |

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

**Lab Sample ID: MB 480-618471/1-A**
**Matrix: Water**
**Analysis Batch: 618626**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| p-Terphenyl-d14 | 105 | | 60 - 148 | 03/21/22 10:03 | 03/22/22 17:12 | 1 |

**Lab Sample ID: LCS 480-618471/2-A**
**Matrix: Water**
**Analysis Batch: 618626**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 32.0 | 34.4 | | ug/L | | 108 | 65 - 126 |
| 2,4,6-Trichlorophenol | 32.0 | 33.5 | | ug/L | | 105 | 64 - 120 |
| 2,4-Dichlorophenol | 32.0 | 34.0 | | ug/L | | 106 | 63 - 120 |
| 2,4-Dimethylphenol | 32.0 | 31.9 | | ug/L | | 100 | 47 - 120 |
| 2,4-Dinitrophenol | 64.0 | 75.8 | | ug/L | | 118 | 31 - 137 |
| 2,4-Dinitrotoluene | 32.0 | 35.6 | | ug/L | | 111 | 69 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 33.6 | | ug/L | | 105 | 68 - 120 |
| 2-Chloronaphthalene | 32.0 | 30.3 | | ug/L | | 95 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 27.5 | | ug/L | | 86 | 48 - 120 |
| 2-Methylnaphthalene | 32.0 | 29.5 | | ug/L | | 92 | 59 - 120 |
| 2-Methylphenol | 32.0 | 26.2 | | ug/L | | 82 | 39 - 120 |
| 2-Nitroaniline | 32.0 | 30.0 | | ug/L | | 94 | 54 - 127 |
| 2-Nitrophenol | 32.0 | 33.0 | | ug/L | | 103 | 52 - 125 |
| 3,3'-Dichlorobenzidine | 64.0 | 59.8 | | ug/L | | 93 | 49 - 135 |
| 3-Nitroaniline | 32.0 | 24.4 | | ug/L | | 76 | 51 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 72.5 | | ug/L | | 113 | 46 - 136 |
| 4-Bromophenyl phenyl ether | 32.0 | 35.9 | | ug/L | | 112 | 65 - 120 |
| 4-Chloro-3-methylphenol | 32.0 | 31.0 | | ug/L | | 97 | 61 - 123 |
| 4-Chloroaniline | 32.0 | 23.1 | | ug/L | | 72 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 34.7 | | ug/L | | 108 | 62 - 120 |
| 4-Methylphenol | 32.0 | 25.2 | | ug/L | | 79 | 29 - 131 |
| 4-Nitroaniline | 32.0 | 31.0 | | ug/L | | 97 | 65 - 120 |
| 4-Nitrophenol | 64.0 | 60.6 | | ug/L | | 95 | 45 - 120 |
| Acenaphthene | 32.0 | 31.3 | | ug/L | | 98 | 60 - 120 |
| Acenaphthylene | 32.0 | 29.1 | | ug/L | | 91 | 63 - 120 |
| Acetophenone | 32.0 | 29.1 | | ug/L | | 91 | 45 - 120 |
| Aniline | 32.0 | 19.1 | | ug/L | | 60 | 12 - 120 |
| Anthracene | 32.0 | 32.3 | | ug/L | | 101 | 67 - 120 |
| Atrazine | 64.0 | 82.4 | | ug/L | | 129 | 71 - 130 |
| Benzaldehyde | 64.0 | 52.9 | | ug/L | | 83 | 10 - 140 |
| Benzo(a)anthracene | 32.0 | 28.4 | | ug/L | | 89 | 70 - 121 |
| Benzo(a)pyrene | 32.0 | 24.6 | | ug/L | | 77 | 60 - 123 |
| Benzo(b)fluoranthene | 32.0 | 27.8 | | ug/L | | 87 | 66 - 126 |
| Benzo(g,h,i)perylene | 32.0 | 28.1 | | ug/L | | 88 | 66 - 150 |
| Benzo(k)fluoranthene | 32.0 | 28.4 | | ug/L | | 89 | 65 - 124 |
| Biphenyl | 32.0 | 30.3 | | ug/L | | 95 | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0 | 18.8 | | ug/L | | 59 | 21 - 136 |
| Bis(2-chloroethoxy)methane | 32.0 | 27.1 | | ug/L | | 85 | 50 - 128 |
| Bis(2-chloroethyl)ether | 32.0 | 24.8 | | ug/L | | 77 | 44 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 25.9 | | ug/L | | 81 | 63 - 139 |
| Butyl benzyl phthalate | 32.0 | 29.2 | | ug/L | | 91 | 70 - 129 |

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

**Lab Sample ID: LCS 480-618471/2-A**
**Matrix: Water**
**Analysis Batch: 618626**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Caprolactam | 64.0 | 21.8 | | ug/L | | 34 | 22 - 120 |
| Carbazole | 32.0 | 39.2 | | ug/L | | 123 | 66 - 123 |
| Chrysene | 32.0 | 28.0 | | ug/L | | 87 | 69 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 27.7 | | ug/L | | 86 | 65 - 135 |
| Dibenzofuran | 32.0 | 32.6 | | ug/L | | 102 | 66 - 120 |
| Diethyl phthalate | 32.0 | 35.9 | | ug/L | | 112 | 59 - 127 |
| Dimethyl phthalate | 32.0 | 34.6 | | ug/L | | 108 | 68 - 120 |
| Di-n-butyl phthalate | 32.0 | 34.5 | | ug/L | | 108 | 69 - 131 |
| Di-n-octyl phthalate | 32.0 | 26.1 | | ug/L | | 81 | 63 - 140 |
| Fluoranthene | 32.0 | 34.4 | | ug/L | | 107 | 69 - 126 |
| Fluorene | 32.0 | 33.2 | | ug/L | | 104 | 66 - 120 |
| Hexachlorobenzene | 32.0 | 37.9 | | ug/L | | 119 | 61 - 120 |
| Hexachlorobutadiene | 32.0 | 33.3 | | ug/L | | 104 | 35 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 28.0 | | ug/L | | 88 | 31 - 120 |
| Hexachloroethane | 32.0 | 25.9 | | ug/L | | 81 | 43 - 120 |
| Indeno(1,2,3-cd)pyrene | 32.0 | 28.6 | | ug/L | | 89 | 69 - 146 |
| Isophorone | 32.0 | 28.5 | | ug/L | | 89 | 55 - 120 |
| Naphthalene | 32.0 | 30.5 | | ug/L | | 95 | 57 - 120 |
| Nitrobenzene | 32.0 | 28.8 | | ug/L | | 90 | 53 - 123 |
| N-Nitrosodi-n-propylamine | 32.0 | 26.8 | | ug/L | | 84 | 32 - 140 |
| N-Nitrosodiphenylamine | 32.0 | 30.0 | | ug/L | | 94 | 61 - 120 |
| Pentachlorophenol | 64.0 | 55.3 | | ug/L | | 86 | 29 - 136 |
| Phenanthrene | 32.0 | 31.3 | | ug/L | | 98 | 68 - 120 |
| Phenol | 32.0 | 15.0 | | ug/L | | 47 | 17 - 120 |
| Pyrene | 32.0 | 29.8 | | ug/L | | 93 | 70 - 125 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *124* | *S1+* | *41 - 120* |
| *2-Fluorobiphenyl* | *102* | | *48 - 120* |
| *2-Fluorophenol* | *65* | | *35 - 120* |
| *Nitrobenzene-d5* | *87* | | *46 - 120* |
| *Phenol-d5* | *48* | | *22 - 120* |
| *p-Terphenyl-d14* | *93* | | *60 - 148* |

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618626**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 32.0 | 39.6 | | ug/L | | 124 | 65 - 126 |
| 2,4,6-Trichlorophenol | ND | | 32.0 | 36.3 | | ug/L | | 113 | 64 - 120 |
| 2,4-Dichlorophenol | 2.3 | J | 32.0 | 30.8 | | ug/L | | 89 | 48 - 132 |
| 2,4-Dimethylphenol | ND | | 32.0 | 26.5 | | ug/L | | 83 | 39 - 130 |
| 2,4-Dinitrophenol | ND | | 64.0 | 93.1 | | ug/L | | 145 | 21 - 150 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 39.9 | | ug/L | | 125 | 54 - 138 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 33.9 | | ug/L | | 106 | 17 - 150 |
| 2-Chloronaphthalene | ND | | 32.0 | 27.6 | | ug/L | | 86 | 52 - 124 |
| 2-Chlorophenol | ND | | 32.0 | 20.5 | | ug/L | | 64 | 48 - 120 |

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

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618626**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | ND | | 32.0 | 23.0 | | ug/L | | 72 | 34 - 140 |
| 2-Methylphenol | ND | | 32.0 | 20.4 | | ug/L | | 64 | 46 - 120 |
| 2-Nitroaniline | ND | | 32.0 | 31.4 | | ug/L | | 98 | 44 - 136 |
| 2-Nitrophenol | ND | | 32.0 | 24.6 | | ug/L | | 77 | 38 - 141 |
| 3,3'-Dichlorobenzidine | ND | F1 F2 | 64.0 | 0.919 | J F1 | ug/L | | 1 | 10 - 150 |
| 3-Nitroaniline | ND | | 32.0 | 15.6 | | ug/L | | 49 | 32 - 150 |
| 4,6-Dinitro-2-methylphenol | ND | | 64.0 | 78.3 | | ug/L | | 122 | 38 - 150 |
| 4-Bromophenyl phenyl ether | ND | | 32.0 | 34.3 | | ug/L | | 107 | 63 - 126 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 29.7 | | ug/L | | 93 | 64 - 127 |
| 4-Chloroaniline | ND | | 32.0 | 8.97 | | ug/L | | 28 | 16 - 124 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 36.0 | | ug/L | | 113 | 61 - 120 |
| 4-Methylphenol | ND | | 32.0 | 20.7 | | ug/L | | 65 | 36 - 120 |
| 4-Nitroaniline | ND | | 32.0 | 23.1 | | ug/L | | 72 | 32 - 150 |
| 4-Nitrophenol | ND | | 64.0 | 70.4 | | ug/L | | 110 | 23 - 132 |
| Acenaphthene | ND | | 32.0 | 30.9 | | ug/L | | 96 | 48 - 120 |
| Acenaphthylene | ND | | 32.0 | 28.4 | | ug/L | | 89 | 63 - 120 |
| Acetophenone | ND | | 32.0 | 22.5 | | ug/L | | 70 | 53 - 120 |
| Aniline | ND | F1 | 32.0 | 8.23 | J F1 | ug/L | | 26 | 32 - 120 |
| Anthracene | ND | | 32.0 | 30.2 | | ug/L | | 94 | 65 - 122 |
| Atrazine | ND | | 64.0 | 82.0 | | ug/L | | 128 | 50 - 150 |
| Benzaldehyde | ND | | 64.0 | 36.0 | | ug/L | | 56 | 10 - 150 |
| Benzo(a)anthracene | ND | | 32.0 | 20.9 | | ug/L | | 65 | 43 - 124 |
| Benzo(a)pyrene | ND | | 32.0 | 14.9 | | ug/L | | 47 | 23 - 125 |
| Benzo(b)fluoranthene | ND | | 32.0 | 17.8 | | ug/L | | 56 | 27 - 127 |
| Benzo(g,h,i)perylene | ND | | 32.0 | 17.3 | | ug/L | | 54 | 16 - 147 |
| Benzo(k)fluoranthene | ND | | 32.0 | 16.5 | | ug/L | | 52 | 20 - 124 |
| Biphenyl | ND | | 32.0 | 28.1 | | ug/L | | 88 | 57 - 120 |
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 14.1 | | ug/L | | 44 | 28 - 121 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 20.8 | | ug/L | | 65 | 44 - 128 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 21.0 | | ug/L | | 66 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 32.0 | 17.2 | | ug/L | | 54 | 16 - 150 |
| Butyl benzyl phthalate | ND | | 32.0 | 26.2 | | ug/L | | 82 | 51 - 140 |
| Caprolactam | ND | | 64.0 | 22.8 | | ug/L | | 36 | 10 - 120 |
| Carbazole | ND | | 32.0 | 44.4 | | ug/L | | 139 | 16 - 148 |
| Chrysene | ND | | 32.0 | 20.0 | | ug/L | | 62 | 44 - 122 |
| Dibenz(a,h)anthracene | ND | | 32.0 | 16.4 | | ug/L | | 51 | 16 - 139 |
| Dibenzofuran | ND | | 32.0 | 33.0 | | ug/L | | 103 | 60 - 120 |
| Diethyl phthalate | ND | | 32.0 | 37.7 | | ug/L | | 118 | 53 - 133 |
| Dimethyl phthalate | ND | | 32.0 | 33.2 | | ug/L | | 104 | 59 - 123 |
| Di-n-butyl phthalate | ND | | 32.0 | 32.4 | | ug/L | | 101 | 65 - 129 |
| Di-n-octyl phthalate | ND | | 32.0 | 18.2 | | ug/L | | 57 | 16 - 150 |
| Fluoranthene | ND | | 32.0 | 32.0 | | ug/L | | 100 | 63 - 129 |
| Fluorene | ND | | 32.0 | 34.6 | | ug/L | | 108 | 62 - 120 |
| Hexachlorobenzene | ND | | 32.0 | 32.4 | | ug/L | | 101 | 57 - 121 |
| Hexachlorobutadiene | ND | | 32.0 | 23.8 | | ug/L | | 74 | 37 - 120 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 25.1 | | ug/L | | 79 | 21 - 120 |
| Hexachloroethane | ND | | 32.0 | 18.4 | | ug/L | | 58 | 16 - 130 |
| Indeno(1,2,3-cd)pyrene | ND | | 32.0 | 16.4 | | ug/L | | 51 | 16 - 140 |
| Isophorone | ND | | 32.0 | 23.5 | | ug/L | | 73 | 48 - 133 |

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

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618626**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | ND | | 32.0 | 23.1 | | ug/L | | 72 | 45 - 120 |
| Nitrobenzene | ND | | 32.0 | 22.8 | | ug/L | | 71 | 45 - 123 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 20.5 | | ug/L | | 64 | 49 - 120 |
| N-Nitrosodiphenylamine | ND | | 32.0 | 29.5 | | ug/L | | 92 | 39 - 138 |
| Pentachlorophenol | ND | | 64.0 | 83.3 | | ug/L | | 130 | 23 - 149 |
| Phenanthrene | ND | | 32.0 | 32.8 | | ug/L | | 102 | 65 - 122 |
| Phenol | ND | | 32.0 | 12.1 | | ug/L | | 38 | 16 - 120 |
| Pyrene | ND | | 32.0 | 28.7 | | ug/L | | 90 | 58 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *138* | *S1+* | *41 - 120* |
| *2-Fluorobiphenyl* | *94* | | *48 - 120* |
| *2-Fluorophenol* | *48* | | *35 - 120* |
| *Nitrobenzene-d5* | *66* | | *46 - 120* |
| *Phenol-d5* | *36* | | *22 - 120* |
| *p-Terphenyl-d14* | *55* | *S1-* | *60 - 148* |

**Lab Sample ID: 480-195892-5 MSD**
**Matrix: Ground Water**
**Analysis Batch: 618626**

**Client Sample ID: BCC Area C RFI-31 MSD_0322**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| 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 | 35.4 | | ug/L | | 111 | 65 - 126 | 11 | 18 |
| 2,4,6-Trichlorophenol | ND | | 32.0 | 31.7 | | ug/L | | 99 | 64 - 120 | 13 | 19 |
| 2,4-Dichlorophenol | 2.3 | J | 32.0 | 29.6 | | ug/L | | 85 | 48 - 132 | 4 | 19 |
| 2,4-Dimethylphenol | ND | | 32.0 | 25.0 | | ug/L | | 78 | 39 - 130 | 6 | 42 |
| 2,4-Dinitrophenol | ND | | 64.0 | 87.1 | | ug/L | | 136 | 21 - 150 | 7 | 22 |
| 2,4-Dinitrotoluene | ND | | 32.0 | 36.0 | | ug/L | | 112 | 54 - 138 | 10 | 20 |
| 2,6-Dinitrotoluene | ND | | 32.0 | 32.1 | | ug/L | | 100 | 17 - 150 | 6 | 15 |
| 2-Chloronaphthalene | ND | | 32.0 | 24.8 | | ug/L | | 77 | 52 - 124 | 11 | 21 |
| 2-Chlorophenol | ND | | 32.0 | 20.6 | | ug/L | | 65 | 48 - 120 | 1 | 25 |
| 2-Methylnaphthalene | ND | | 32.0 | 22.5 | | ug/L | | 70 | 34 - 140 | 2 | 21 |
| 2-Methylphenol | ND | | 32.0 | 19.5 | | ug/L | | 61 | 46 - 120 | 5 | 27 |
| 2-Nitroaniline | ND | | 32.0 | 28.7 | | ug/L | | 90 | 44 - 136 | 9 | 15 |
| 2-Nitrophenol | ND | | 32.0 | 24.7 | | ug/L | | 77 | 38 - 141 | 1 | 18 |
| 3,3'-Dichlorobenzidine | ND | F1 F2 | 64.0 | 0.402 | J F1 F2 | ug/L | | 0.6 | 10 - 150 | 78 | 25 |
| 3-Nitroaniline | ND | | 32.0 | 15.4 | | ug/L | | 48 | 32 - 150 | 1 | 19 |
| 4,6-Dinitro-2-methylphenol | ND | | 64.0 | 75.1 | | ug/L | | 117 | 38 - 150 | 4 | 15 |
| 4-Bromophenyl phenyl ether | ND | | 32.0 | 31.6 | | ug/L | | 99 | 63 - 126 | 8 | 15 |
| 4-Chloro-3-methylphenol | ND | | 32.0 | 28.5 | | ug/L | | 89 | 64 - 127 | 4 | 27 |
| 4-Chloroaniline | ND | | 32.0 | 10.8 | | ug/L | | 34 | 16 - 124 | 18 | 22 |
| 4-Chlorophenyl phenyl ether | ND | | 32.0 | 31.8 | | ug/L | | 99 | 61 - 120 | 12 | 16 |
| 4-Methylphenol | ND | | 32.0 | 20.2 | | ug/L | | 63 | 36 - 120 | 3 | 24 |
| 4-Nitroaniline | ND | | 32.0 | 22.2 | | ug/L | | 69 | 32 - 150 | 4 | 24 |
| 4-Nitrophenol | ND | | 64.0 | 62.5 | | ug/L | | 98 | 23 - 132 | 12 | 48 |
| Acenaphthene | ND | | 32.0 | 27.0 | | ug/L | | 84 | 48 - 120 | 13 | 24 |
| Acenaphthylene | ND | | 32.0 | 25.2 | | ug/L | | 79 | 63 - 120 | 12 | 18 |
| Acetophenone | ND | | 32.0 | 22.3 | | ug/L | | 70 | 53 - 120 | 1 | 20 |

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

**Lab Sample ID: 480-195892-5 MSD**
**Matrix: Ground Water**
**Analysis Batch: 618626**

**Client Sample ID: BCC Area C RFI-31 MSD_0322**
**Prep Type: Total/NA**
**Prep Batch: 618471**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aniline | ND | F1 | 32.0 | 10.7 | | ug/L | | 33 | 32 - 120 | 26 | 30 |
| Anthracene | ND | | 32.0 | 30.1 | | ug/L | | 94 | 65 - 122 | 0 | 15 |
| Atrazine | ND | | 64.0 | 78.2 | | ug/L | | 122 | 50 - 150 | 5 | 20 |
| Benzaldehyde | ND | | 64.0 | 35.4 | | ug/L | | 55 | 10 - 150 | 2 | 20 |
| Benzo(a)anthracene | ND | | 32.0 | 20.5 | | ug/L | | 64 | 43 - 124 | 2 | 15 |
| Benzo(a)pyrene | ND | | 32.0 | 15.2 | | ug/L | | 48 | 23 - 125 | 2 | 15 |
| Benzo(b)fluoranthene | ND | | 32.0 | 17.6 | | ug/L | | 55 | 27 - 127 | 1 | 15 |
| Benzo(g,h,i)perylene | ND | | 32.0 | 17.5 | | ug/L | | 55 | 16 - 147 | 1 | 15 |
| Benzo(k)fluoranthene | ND | | 32.0 | 16.9 | | ug/L | | 53 | 20 - 124 | 2 | 22 |
| Biphenyl | ND | | 32.0 | 24.7 | | ug/L | | 77 | 57 - 120 | 13 | 20 |
| bis (2-chloroisopropyl) ether | ND | | 32.0 | 14.0 | | ug/L | | 44 | 28 - 121 | 0 | 24 |
| Bis(2-chloroethoxy)methane | ND | | 32.0 | 20.6 | | ug/L | | 64 | 44 - 128 | 1 | 17 |
| Bis(2-chloroethyl)ether | ND | | 32.0 | 19.6 | | ug/L | | 61 | 45 - 120 | 7 | 21 |
| Bis(2-ethylhexyl) phthalate | ND | | 32.0 | 17.1 | | ug/L | | 53 | 16 - 150 | 1 | 15 |
| Butyl benzyl phthalate | ND | | 32.0 | 26.3 | | ug/L | | 82 | 51 - 140 | 0 | 16 |
| Caprolactam | ND | | 64.0 | 22.9 | | ug/L | | 36 | 10 - 120 | 0 | 20 |
| Carbazole | ND | | 32.0 | 44.5 | | ug/L | | 139 | 16 - 148 | 0 | 20 |
| Chrysene | ND | | 32.0 | 18.9 | | ug/L | | 59 | 44 - 122 | 6 | 15 |
| Dibenz(a,h)anthracene | ND | | 32.0 | 16.7 | | ug/L | | 52 | 16 - 139 | 2 | 15 |
| Dibenzofuran | ND | | 32.0 | 29.0 | | ug/L | | 91 | 60 - 120 | 13 | 15 |
| Diethyl phthalate | ND | | 32.0 | 34.4 | | ug/L | | 107 | 53 - 133 | 9 | 15 |
| Dimethyl phthalate | ND | | 32.0 | 35.0 | | ug/L | | 109 | 59 - 123 | 5 | 15 |
| Di-n-butyl phthalate | ND | | 32.0 | 31.0 | | ug/L | | 97 | 65 - 129 | 5 | 15 |
| Di-n-octyl phthalate | ND | | 32.0 | 18.1 | | ug/L | | 57 | 16 - 150 | 0 | 16 |
| Fluoranthene | ND | | 32.0 | 32.2 | | ug/L | | 101 | 63 - 129 | 0 | 15 |
| Fluorene | ND | | 32.0 | 31.2 | | ug/L | | 97 | 62 - 120 | 10 | 15 |
| Hexachlorobenzene | ND | | 32.0 | 31.0 | | ug/L | | 97 | 57 - 121 | 4 | 15 |
| Hexachlorobutadiene | ND | | 32.0 | 23.3 | | ug/L | | 73 | 37 - 120 | 2 | 44 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 23.0 | | ug/L | | 72 | 21 - 120 | 9 | 49 |
| Hexachloroethane | ND | | 32.0 | 18.6 | | ug/L | | 58 | 16 - 130 | 1 | 46 |
| Indeno(1,2,3-cd)pyrene | ND | | 32.0 | 17.0 | | ug/L | | 53 | 16 - 140 | 3 | 15 |
| Isophorone | ND | | 32.0 | 22.1 | | ug/L | | 69 | 48 - 133 | 6 | 17 |
| Naphthalene | ND | | 32.0 | 22.3 | | ug/L | | 70 | 45 - 120 | 3 | 29 |
| Nitrobenzene | ND | | 32.0 | 22.4 | | ug/L | | 70 | 45 - 123 | 2 | 24 |
| N-Nitrosodi-n-propylamine | ND | | 32.0 | 19.8 | | ug/L | | 62 | 49 - 120 | 4 | 31 |
| N-Nitrosodiphenylamine | ND | | 32.0 | 29.3 | | ug/L | | 91 | 39 - 138 | 1 | 15 |
| Pentachlorophenol | ND | | 64.0 | 84.0 | | ug/L | | 131 | 23 - 149 | 1 | 37 |
| Phenanthrene | ND | | 32.0 | 30.3 | | ug/L | | 95 | 65 - 122 | 8 | 15 |
| Phenol | ND | | 32.0 | 12.1 | | ug/L | | 38 | 16 - 120 | 0 | 34 |
| Pyrene | ND | | 32.0 | 28.2 | | ug/L | | 88 | 58 - 128 | 2 | 19 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *136* | *S1+* | *41 - 120* |
| *2-Fluorobiphenyl* | *86* | | *48 - 120* |
| *2-Fluorophenol* | *46* | | *35 - 120* |
| *Nitrobenzene-d5* | *64* | | *46 - 120* |
| *Phenol-d5* | *36* | | *22 - 120* |
| *p-Terphenyl-d14* | *55* | *S1-* | *60 - 148* |

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-618365/1-A**
**Matrix: Water**
**Analysis Batch: 619249**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 618365**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Barium | ND | | 0.0020 | 0.00070 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Calcium | ND | | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Manganese | ND | | 0.0030 | 0.00040 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Potassium | 0.255 | J | 0.50 | 0.10 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |
| Zinc | ND | | 0.010 | 0.0015 | mg/L | | 03/21/22 09:54 | 03/26/22 01:11 | 1 |

**Lab Sample ID: LCS 480-618365/2-A**
**Matrix: Water**
**Analysis Batch: 619249**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 618365**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 9.57 | | mg/L | | 96 | 80 - 120 |
| Antimony | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Arsenic | 0.200 | 0.192 | | mg/L | | 96 | 80 - 120 |
| Barium | 0.200 | 0.202 | | mg/L | | 101 | 80 - 120 |
| Beryllium | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |
| Cadmium | 0.200 | 0.194 | | mg/L | | 97 | 80 - 120 |
| Calcium | 10.0 | 9.79 | | mg/L | | 98 | 80 - 120 |
| Chromium | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 |
| Cobalt | 0.200 | 0.186 | | mg/L | | 93 | 80 - 120 |
| Copper | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 |
| Iron | 10.0 | 10.06 | | mg/L | | 101 | 80 - 120 |
| Lead | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 |
| Magnesium | 10.0 | 9.54 | | mg/L | | 95 | 80 - 120 |
| Manganese | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 |
| Nickel | 0.200 | 0.186 | | mg/L | | 93 | 80 - 120 |
| Potassium | 10.0 | 9.12 | | mg/L | | 91 | 80 - 120 |
| Selenium | 0.200 | 0.197 | | mg/L | | 98 | 80 - 120 |
| Silver | 0.0500 | 0.0490 | | mg/L | | 98 | 80 - 120 |
| Sodium | 10.0 | 9.19 | | mg/L | | 92 | 80 - 120 |
| Thallium | 0.200 | 0.198 | | mg/L | | 99 | 80 - 120 |
| Vanadium | 0.200 | 0.194 | | mg/L | | 97 | 80 - 120 |

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

**Lab Sample ID: LCS 480-618365/2-A**
**Matrix: Water**
**Analysis Batch: 619249**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 618365**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Zinc | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 |

**Lab Sample ID: LCSD 480-618365/3-A**
**Matrix: Water**
**Analysis Batch: 619249**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 618365**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 9.25 | | mg/L | | 92 | 80 - 120 | 3 | 20 |
| Antimony | 0.200 | 0.189 | | mg/L | | 95 | 80 - 120 | 3 | 20 |
| Arsenic | 0.200 | 0.186 | | mg/L | | 93 | 80 - 120 | 3 | 20 |
| Barium | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 | 4 | 20 |
| Beryllium | 0.200 | 0.190 | | mg/L | | 95 | 80 - 120 | 3 | 20 |
| Cadmium | 0.200 | 0.188 | | mg/L | | 94 | 80 - 120 | 3 | 20 |
| Calcium | 10.0 | 9.56 | | mg/L | | 96 | 80 - 120 | 2 | 20 |
| Chromium | 0.200 | 0.190 | | mg/L | | 95 | 80 - 120 | 2 | 20 |
| Cobalt | 0.200 | 0.181 | | mg/L | | 90 | 80 - 120 | 3 | 20 |
| Copper | 0.200 | 0.187 | | mg/L | | 94 | 80 - 120 | 4 | 20 |
| Iron | 10.0 | 9.80 | | mg/L | | 98 | 80 - 120 | 3 | 20 |
| Lead | 0.200 | 0.190 | | mg/L | | 95 | 80 - 120 | 2 | 20 |
| Magnesium | 10.0 | 9.28 | | mg/L | | 93 | 80 - 120 | 3 | 20 |
| Manganese | 0.200 | 0.190 | | mg/L | | 95 | 80 - 120 | 2 | 20 |
| Nickel | 0.200 | 0.182 | | mg/L | | 91 | 80 - 120 | 2 | 20 |
| Potassium | 10.0 | 8.83 | | mg/L | | 88 | 80 - 120 | 3 | 20 |
| Selenium | 0.200 | 0.188 | | mg/L | | 94 | 80 - 120 | 4 | 20 |
| Silver | 0.0500 | 0.0473 | | mg/L | | 95 | 80 - 120 | 4 | 20 |
| Sodium | 10.0 | 8.90 | | mg/L | | 89 | 80 - 120 | 3 | 20 |
| Thallium | 0.200 | 0.194 | | mg/L | | 97 | 80 - 120 | 2 | 20 |
| Vanadium | 0.200 | 0.189 | | mg/L | | 94 | 80 - 120 | 3 | 20 |
| Zinc | 0.200 | 0.195 | | mg/L | | 97 | 80 - 120 | 1 | 20 |

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 619249**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**
**Prep Batch: 618365**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.088 | J | 10.0 | 9.87 | | mg/L | | 98 | 75 - 125 |
| Antimony | ND | | 0.200 | 0.206 | | mg/L | | 103 | 75 - 125 |
| Arsenic | ND | | 0.200 | 0.212 | | mg/L | | 106 | 75 - 125 |
| Barium | 0.024 | | 0.200 | 0.208 | | mg/L | | 92 | 75 - 125 |
| Beryllium | ND | | 0.200 | 0.193 | | mg/L | | 97 | 75 - 125 |
| Cadmium | ND | | 0.200 | 0.209 | | mg/L | | 105 | 75 - 125 |
| Calcium | 327 | | 10.0 | 318.2 | 4 | mg/L | | -92 | 75 - 125 |
| Chromium | ND | | 0.200 | 0.191 | | mg/L | | 95 | 75 - 125 |
| Cobalt | ND | | 0.200 | 0.198 | | mg/L | | 99 | 75 - 125 |
| Copper | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 |
| Iron | 0.20 | | 10.0 | 9.83 | | mg/L | | 96 | 75 - 125 |
| Lead | ND | | 0.200 | 0.204 | | mg/L | | 102 | 75 - 125 |
| Magnesium | 23.2 | F1 | 10.0 | 31.84 | | mg/L | | 86 | 75 - 125 |
| Manganese | 0.10 | | 0.200 | 0.292 | | mg/L | | 95 | 75 - 125 |

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

**Lab Sample ID: 480-195892-5 MS** — **Client Sample ID: BCC Area C RFI-31 MS_0322**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 619249** — **Prep Batch: 618365**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | ND | | 0.200 | 0.198 | | mg/L | | 99 | 75 - 125 |
| Potassium | 11.3 | B | 10.0 | 22.46 | | mg/L | | 111 | 75 - 125 |
| Selenium | ND | | 0.200 | 0.219 | | mg/L | | 109 | 75 - 125 |
| Silver | ND | | 0.0500 | 0.0558 | | mg/L | | 112 | 75 - 125 |
| Thallium | ND | | 0.200 | 0.186 | | mg/L | | 93 | 75 - 125 |
| Vanadium | 0.0043 | J | 0.200 | 0.200 | | mg/L | | 98 | 75 - 125 |
| Zinc | 0.0086 | J | 0.200 | 0.209 | | mg/L | | 100 | 75 - 125 |

**Lab Sample ID: 480-195892-5 MS** — **Client Sample ID: BCC Area C RFI-31 MS_0322**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 619506** — **Prep Batch: 618365**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 1800 | | 10.0 | 1802 | 4 | mg/L | | 37 | 75 - 125 |

**Lab Sample ID: 480-195892-5 MSD** — **Client Sample ID: BCC Area C RFI-31 MSD_0322**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 619249** — **Prep Batch: 618365**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.088 | J | 10.0 | 9.78 | | mg/L | | 97 | 75 - 125 | 1 | 20 |
| Antimony | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 | 2 | 20 |
| Arsenic | ND | | 0.200 | 0.210 | | mg/L | | 105 | 75 - 125 | 1 | 20 |
| Barium | 0.024 | | 0.200 | 0.208 | | mg/L | | 92 | 75 - 125 | 0 | 20 |
| Beryllium | ND | | 0.200 | 0.191 | | mg/L | | 96 | 75 - 125 | 1 | 20 |
| Cadmium | ND | | 0.200 | 0.208 | | mg/L | | 104 | 75 - 125 | 1 | 20 |
| Calcium | 327 | | 10.0 | 325.7 | 4 | mg/L | | -18 | 75 - 125 | 2 | 20 |
| Chromium | ND | | 0.200 | 0.192 | | mg/L | | 96 | 75 - 125 | 1 | 20 |
| Cobalt | ND | | 0.200 | 0.196 | | mg/L | | 98 | 75 - 125 | 1 | 20 |
| Copper | ND | | 0.200 | 0.199 | | mg/L | | 99 | 75 - 125 | 2 | 20 |
| Iron | 0.20 | | 10.0 | 9.98 | | mg/L | | 98 | 75 - 125 | 1 | 20 |
| Lead | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 | 1 | 20 |
| Magnesium | 23.2 | F1 | 10.0 | 30.05 | F1 | mg/L | | 69 | 75 - 125 | 6 | 20 |
| Manganese | 0.10 | | 0.200 | 0.280 | | mg/L | | 88 | 75 - 125 | 4 | 20 |
| Nickel | ND | | 0.200 | 0.195 | | mg/L | | 98 | 75 - 125 | 2 | 20 |
| Potassium | 11.3 | B | 10.0 | 22.56 | | mg/L | | 112 | 75 - 125 | 0 | 20 |
| Selenium | ND | | 0.200 | 0.213 | | mg/L | | 106 | 75 - 125 | 3 | 20 |
| Silver | ND | | 0.0500 | 0.0566 | | mg/L | | 113 | 75 - 125 | 2 | 20 |
| Thallium | ND | | 0.200 | 0.186 | | mg/L | | 93 | 75 - 125 | 0 | 20 |
| Vanadium | 0.0043 | J | 0.200 | 0.199 | | mg/L | | 97 | 75 - 125 | 0 | 20 |
| Zinc | 0.0086 | J | 0.200 | 0.212 | | mg/L | | 101 | 75 - 125 | 1 | 20 |

**Lab Sample ID: 480-195892-5 MSD** — **Client Sample ID: BCC Area C RFI-31 MSD_0322**
**Matrix: Ground Water** — **Prep Type: Total/NA**
**Analysis Batch: 619506** — **Prep Batch: 618365**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 1800 | | 10.0 | 1787 | 4 | mg/L | | -116 | 75 - 125 | 1 | 20 |

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-618482/1-A**
**Matrix: Water**
**Analysis Batch: 618546**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 618482**

| 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 14:49 | 1 |

**Lab Sample ID: LCS 480-618482/2-A**
**Matrix: Water**
**Analysis Batch: 618546**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 618482**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00667 | 0.00675 | | mg/L | | 101 | 80 - 120 |

**Lab Sample ID: 480-195892-5 MS**
**Matrix: Ground Water**
**Analysis Batch: 618546**

**Client Sample ID: BCC Area C RFI-31 MS_0322**
**Prep Type: Total/NA**
**Prep Batch: 618482**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00628 | | mg/L | | 94 | 80 - 120 |

**Lab Sample ID: 480-195892-5 MSD**
**Matrix: Ground Water**
**Analysis Batch: 618546**

**Client Sample ID: BCC Area C RFI-31 MSD_0322**
**Prep Type: Total/NA**
**Prep Batch: 618482**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00630 | | mg/L | | 94 | 80 - 120 | 0 | 20 |

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## GC/MS VOA

### Analysis Batch: 618411

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 8260C | |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 8260C | |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 8260C | |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 8260C | |
| 480-195892-6 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 480-618411/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-618411/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 8260C | |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 8260C | |

### Analysis Batch: 618577

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 8260C | |
| MB 480-618577/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-618577/6 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 618471

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 3510C | |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 3510C | |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 3510C | |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 3510C | |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 3510C | |
| MB 480-618471/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 480-618471/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 3510C | |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 3510C | |

### Analysis Batch: 618626

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 8270D | 618471 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 8270D | 618471 |
| MB 480-618471/1-A | Method Blank | Total/NA | Water | 8270D | 618471 |
| LCS 480-618471/2-A | Lab Control Sample | Total/NA | Water | 8270D | 618471 |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 8270D | 618471 |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 8270D | 618471 |

### Analysis Batch: 618804

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 8270D | 618471 |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 8270D | 618471 |

### Analysis Batch: 619048

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 8270D | 618471 |

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Metals

### Prep Batch: 618365

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-7 | BCC Area C RFI-20F_0322 | Total/NA | Water | 3005A | |
| MB 480-618365/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 480-618365/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 480-618365/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 3005A | |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 3005A | |

### Prep Batch: 618482

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-7 | BCC Area C RFI-20F_0322 | Total/NA | Water | 7470A | |
| MB 480-618482/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 480-618482/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 7470A | |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 7470A | |

### Analysis Batch: 618546

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-7 | BCC Area C RFI-20F_0322 | Total/NA | Water | 7470A | 618482 |
| MB 480-618482/1-A | Method Blank | Total/NA | Water | 7470A | 618482 |
| LCS 480-618482/2-A | Lab Control Sample | Total/NA | Water | 7470A | 618482 |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 7470A | 618482 |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 7470A | 618482 |

### Analysis Batch: 619249

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-2 | BCC Area C MW-C04_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-3 | BCC Area C PS-05A_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-4 | BCC Area C RFI-20_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-7 | BCC Area C RFI-20F_0322 | Total/NA | Water | 6010C | 618365 |
| MB 480-618365/1-A | Method Blank | Total/NA | Water | 6010C | 618365 |
| LCS 480-618365/2-A | Lab Control Sample | Total/NA | Water | 6010C | 618365 |
| LCSD 480-618365/3-A | Lab Control Sample Dup | Total/NA | Water | 6010C | 618365 |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 6010C | 618365 |

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Metals

### Analysis Batch: 619506

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-5 MS | BCC Area C RFI-31 MS_0322 | Total/NA | Ground Water | 6010C | 618365 |
| 480-195892-5 MSD | BCC Area C RFI-31 MSD_0322 | Total/NA | Ground Water | 6010C | 618365 |

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-31_0322

**Lab Sample ID: 480-195892-1**
**Date Collected: 03/17/22 09:20**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 618411 | 03/19/22 12:21 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 618471 | 03/21/22 10:03 | JMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 618626 | 03/23/22 01:54 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 01:22 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 5 | 619506 | 03/28/22 19:52 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 14:51 | BMB | TAL BUF |

## Client Sample ID: BCC Area C MW-C04_0322

**Lab Sample ID: 480-195892-2**
**Date Collected: 03/17/22 12:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 618411 | 03/19/22 12:43 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 618471 | 03/21/22 10:03 | JMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 618804 | 03/23/22 16:43 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 01:26 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 14:53 | BMB | TAL BUF |

## Client Sample ID: BCC Area C PS-05A_0322

**Lab Sample ID: 480-195892-3**
**Date Collected: 03/17/22 14:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 618577 | 03/22/22 14:58 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 618471 | 03/21/22 10:03 | JMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 618804 | 03/23/22 17:11 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 01:30 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 14:54 | BMB | TAL BUF |

## Client Sample ID: BCC Area C RFI-20_0322

**Lab Sample ID: 480-195892-4**
**Date Collected: 03/17/22 13:40**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 618411 | 03/19/22 13:29 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 618471 | 03/21/22 10:03 | JMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 619048 | 03/25/22 00:15 | PJQ | TAL BUF |

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

## Client Sample ID: BCC Area C RFI-20_0322

**Lab Sample ID: 480-195892-4**
**Date Collected: 03/17/22 13:40**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 01:45 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 14:59 | BMB | TAL BUF |

## Client Sample ID: BCC Area C RFI-31 D_0322

**Lab Sample ID: 480-195892-5**
**Date Collected: 03/17/22 09:30**
**Matrix: Ground Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 618411 | 03/19/22 13:52 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 618471 | 03/21/22 10:03 | JMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 618626 | 03/22/22 19:02 | PJQ | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 01:48 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 5 | 619506 | 03/28/22 19:56 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 15:01 | BMB | TAL BUF |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-195892-6**
**Date Collected: 03/17/22 00:00**
**Matrix: Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 618411 | 03/19/22 14:15 | CRL | TAL BUF |

## Client Sample ID: BCC Area C RFI-20F_0322

**Lab Sample ID: 480-195892-7**
**Date Collected: 03/17/22 13:45**
**Matrix: Water**
**Date Received: 03/17/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3005A | | | 618365 | 03/21/22 09:54 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 619249 | 03/26/22 02:07 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 618482 | 03/21/22 11:32 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 618546 | 03/21/22 15:06 | BMB | 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: 480-195892-1
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: 480-195892-1

| 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.
Project/Site: OSC- Former Buffalo Color Sites - 37745

Job ID: 480-195892-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-195892-1 | BCC Area C RFI-31_0322 | Ground Water | 03/17/22 09:20 | 03/17/22 15:30 |
| 480-195892-2 | BCC Area C MW-C04_0322 | Ground Water | 03/17/22 12:30 | 03/17/22 15:30 |
| 480-195892-3 | BCC Area C PS-05A_0322 | Ground Water | 03/17/22 14:30 | 03/17/22 15:30 |
| 480-195892-4 | BCC Area C RFI-20_0322 | Ground Water | 03/17/22 13:40 | 03/17/22 15:30 |
| 480-195892-5 | BCC Area C RFI-31 D_0322 | Ground Water | 03/17/22 09:30 | 03/17/22 15:30 |
| 480-195892-6 | TRIP BLANK | Water | 03/17/22 00:00 | 03/17/22 15:30 |
| 480-195892-7 | BCC Area C RFI-20F_0322 | Water | 03/17/22 13:45 | 03/17/22 15:30 |

**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: 480-158661-6265.1 |
| 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., 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 #: ~~05208~~ 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
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
'a2S2O3
SO4
P Dodecahydrate
etone
CAA
H 4-5
ıer (specify)

480-195892 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 Number | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | D | A | N | | |
| BCC Area C RFI-31_0322 | 3/17-22 | 920 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C MW-C04_0322 | | 1230 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C RFI-20_0322 | | 1340 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C PS-05A_0322 | | 1430 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C RFI-31 D_0322 | | 930 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C RFI-31 MS_0322 | | 940 | G | Water | | | 1 | 3 | 2 | | |
| BCC Area C RFI-31 MSD_0322 | | 950 | G | Water | | | 1 | 3 | 2 | | |
| TRIP BLANK | | | | Water | | | | 2 | | | |
| BCC Area C RFI-20F_0322 | 3/17-22 | 1345 | G | W | | Y | 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: 3-17-22 1530 | Company: OSC | Received by: / Date/Time: / Company |
| Relinquished by: | Date/Time: | Company | Received by: / Date/Time: / Company |
| Relinquished by: | Date/Time: | Company | Received by: / Date/Time: 3/18/22 1520 / Company |
| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: 3.5 #1 |

Ver: 06/08/2021

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-195892-1

**Login Number: 195892**
**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 | |

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# ANALYTICAL REPORT

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

Laboratory Job ID: 480-198238-1
Client Project/Site: Buffalo Color Area A Wells

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

Attn: Kirsten Colligan

*Authorized for release by:*
*6/3/2022 12:37:02 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

LINKS

Review your project results through my EOL

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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## 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 |
|---|---|
| B | Compound was found in the blank and sample. |
| 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 |
|---|---|
| ^+ | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| 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) |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| TNTC | Too Numerous To Count |

## Job ID: 480-198238-1

### Laboratory: Eurofins Buffalo

**Narrative**

**Job Narrative**
**480-198238-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 5/23/2022 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 14.8º C.

**GC/MS VOA**
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area C RFI-31_0522 (480-198238-1), BCC Area C MW-C04_0522 (480-198238-2), BCC Area C MW-C04_0522 (480-198238-2[MS]), BCC Area C MW-C04_0522 (480-198238-2[MSD]) and BCC Area C MW-C04 D_0522 (480-198238-5). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 628097. The following samples were affected : BCC Area C RFI-31_0522 (480-198238-1), BCC Area C MW-C04_0522 (480-198238-2), BCC Area C RFI-20_0522 (480-198238-3), BCC Area C PS-05A_0522 (480-198238-4), BCC Area C MW-C04 D_0522 (480-198238-5) and TRIP BLANK (480-198238-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-628097 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK) and 2-Hexanone. 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.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-627445 and analytical batch 480-627554 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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 C MW-C04_0522 (480-198238-2[MSD]). These results have been reported and qualified.

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

**Metals**
Method 6010C: The low level continuing calibration verification (CCVL 480-628131/32) recovered above the upper control limit for Total Potassium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples BCC Area C RFI-31_0522 (480-198238-1), BCC Area C MW-C04_0522 (480-198238-2), BCC Area C MW-C04_0522 (480-198238-2[MS]), (480-198238-C-2-D PDS) and (480-198238-C-2-D SD ^5) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-628131/44) recovered above the upper control limit for Total Potassium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples BCC Area C RFI-31_0522 (480-198238-1), BCC Area C MW-C04_0522 (480-198238-2), BCC Area C MW-C04_0522 (480-198238-2[MS]), BCC Area C MW-C04_0522 (480-198238-2[MSD]), BCC Area C RFI-20_0522 (480-198238-3), BCC Area C MW-C04 D_0522 (480-198238-5), (480-198238-C-2-D PDS) and (480-198238-C-2-D SD ^5) was not performed.

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

**Organic Prep**

## Job ID: 480-198238-1 (Continued)

### Laboratory: Eurofins Buffalo (Continued)

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 A Wells

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522 — Lab Sample ID: 480-198238-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 250 | | 4.0 | 1.6 | ug/L | 4 | | 8260C | Total/NA |
| 1,2-Dichlorobenzene | 9.9 | | 4.0 | 3.2 | ug/L | 4 | | 8260C | Total/NA |
| 1,3-Dichlorobenzene | 180 | | 4.0 | 3.1 | ug/L | 4 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 50 | | 4.0 | 3.4 | ug/L | 4 | | 8260C | Total/NA |
| Chlorobenzene | 29 | | 4.0 | 3.0 | ug/L | 4 | | 8260C | Total/NA |
| 2,4,5-Trichlorophenol | 0.69 | J | 5.0 | 0.48 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dichlorophenol | 0.64 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 0.73 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Di-n-butyl phthalate | 6.9 | B | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 2.6 | | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Arsenic | 0.013 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.047 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 395 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0072 | | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.0012 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |
| Copper | 0.0021 | J | 0.010 | 0.0016 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 3.3 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.068 | | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 68.6 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.36 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0075 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 10.5 | B ^+ | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 1660 | | 5.0 | 1.6 | mg/L | 5 | | 6010C | Total/NA |
| Vanadium | 0.010 | | 0.0050 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.059 | B | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |
| Mercury | 0.00020 | | 0.00020 | 0.000043 | mg/L | 1 | | 7470A | Total/NA |

## Client Sample ID: BCC Area C MW-C04_0522 — Lab Sample ID: 480-198238-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 15 | | 5.0 | 3.9 | ug/L | 5 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 31 | | 5.0 | 4.2 | ug/L | 5 | | 8260C | Total/NA |
| Chlorobenzene | 260 | F1 | 5.0 | 3.8 | ug/L | 5 | | 8260C | Total/NA |
| 2-Chlorophenol | 0.61 | J F2 | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 1.1 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Di-n-butyl phthalate | 5.4 | F2 F1 B | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |
| N-Nitrosodiphenylamine | 0.63 | J F2 | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 0.60 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 225 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 3.3 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0038 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 33.7 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.73 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.4 | ^+ B | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 101 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0054 | J B | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C RFI-20_0522 — Lab Sample ID: 480-198238-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 2.2 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| Di-n-butyl phthalate | 7.3 | B | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: BCC Area C RFI-20_0522 (Continued) — Lab Sample ID: 480-198238-3

| 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 | 0.056 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 251 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Cobalt | 0.0016 | J | 0.0040 | 0.00063 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 6.0 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 16.4 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.48 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0053 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 10.6 | B ^+ | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 58.1 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.098 | B | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C PS-05A_0522 — Lab Sample ID: 480-198238-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | 1.1 | | 1.0 | 0.79 | ug/L | 1 | | 8260C | Total/NA |
| Benzene | 0.44 | J | 1.0 | 0.41 | ug/L | 1 | | 8260C | Total/NA |
| Chlorobenzene | 97 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| Di-n-butyl phthalate | 6.0 | B | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 0.11 | J | 0.20 | 0.060 | mg/L | 1 | | 6010C | Total/NA |
| Arsenic | 0.013 | J | 0.015 | 0.0056 | mg/L | 1 | | 6010C | Total/NA |
| Barium | 0.068 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 136 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Chromium | 0.0011 | J | 0.0040 | 0.0010 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 3.8 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0049 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 25.9 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.066 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Nickel | 0.0019 | J | 0.010 | 0.0013 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 5.3 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 44.8 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0018 | J B | 0.010 | 0.0015 | mg/L | 1 | | 6010C | Total/NA |

## Client Sample ID: BCC Area C MW-C04 D_0522 — Lab Sample ID: 480-198238-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 16 | | 5.0 | 3.9 | ug/L | 5 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 32 | | 5.0 | 4.2 | ug/L | 5 | | 8260C | Total/NA |
| Chlorobenzene | 270 | | 5.0 | 3.8 | ug/L | 5 | | 8260C | Total/NA |
| 2-Chlorophenol | 0.70 | J | 5.0 | 0.53 | ug/L | 1 | | 8270D | Total/NA |
| Aniline | 1.1 | J | 10 | 0.61 | ug/L | 1 | | 8270D | Total/NA |
| Di-n-butyl phthalate | 5.3 | B | 5.0 | 0.31 | ug/L | 1 | | 8270D | Total/NA |
| N-Nitrosodiphenylamine | 0.68 | J | 5.0 | 0.51 | ug/L | 1 | | 8270D | Total/NA |
| Barium | 0.59 | | 0.0020 | 0.00070 | mg/L | 1 | | 6010C | Total/NA |
| Calcium | 225 | | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Iron | 3.3 | | 0.050 | 0.019 | mg/L | 1 | | 6010C | Total/NA |
| Lead | 0.0045 | J | 0.010 | 0.0030 | mg/L | 1 | | 6010C | Total/NA |
| Magnesium | 35.0 | | 0.20 | 0.043 | mg/L | 1 | | 6010C | Total/NA |
| Manganese | 0.75 | | 0.0030 | 0.00040 | mg/L | 1 | | 6010C | Total/NA |
| Potassium | 11.1 | B ^+ | 0.50 | 0.10 | mg/L | 1 | | 6010C | Total/NA |
| Sodium | 101 | | 1.0 | 0.32 | mg/L | 1 | | 6010C | Total/NA |
| Zinc | 0.0050 | J B | 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 A Wells

Job ID: 480-198238-1

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 480-198238-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 3.1 | | 1.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522

**Lab Sample ID: 480-198238-1**

**Date Collected: 05/23/22 09:45**
**Matrix: Water**
**Date Received: 05/23/22 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 | | 4.0 | 3.3 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | 4.0 | 0.84 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 4.0 | 1.2 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,1,2-Trichloroethane | ND | | 4.0 | 0.92 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,1-Dichloroethane | ND | | 4.0 | 1.5 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,1-Dichloroethene | ND | | 4.0 | 1.2 | ug/L | | | 05/31/22 16:00 | 4 |
| **1,2,4-Trichlorobenzene** | **250** | | 4.0 | 1.6 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,2-Dibromo-3-Chloropropane | ND | | 4.0 | 1.6 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,2-Dibromoethane | ND | | 4.0 | 2.9 | ug/L | | | 05/31/22 16:00 | 4 |
| **1,2-Dichlorobenzene** | **9.9** | | 4.0 | 3.2 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,2-Dichloroethane | ND | | 4.0 | 0.84 | ug/L | | | 05/31/22 16:00 | 4 |
| 1,2-Dichloropropane | ND | | 4.0 | 2.9 | ug/L | | | 05/31/22 16:00 | 4 |
| **1,3-Dichlorobenzene** | **180** | | 4.0 | 3.1 | ug/L | | | 05/31/22 16:00 | 4 |
| **1,4-Dichlorobenzene** | **50** | | 4.0 | 3.4 | ug/L | | | 05/31/22 16:00 | 4 |
| 2-Butanone (MEK) | ND | *+ | 40 | 5.3 | ug/L | | | 05/31/22 16:00 | 4 |
| 2-Hexanone | ND | | 20 | 5.0 | ug/L | | | 05/31/22 16:00 | 4 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 20 | 8.4 | ug/L | | | 05/31/22 16:00 | 4 |
| Acetone | ND | | 40 | 12 | ug/L | | | 05/31/22 16:00 | 4 |
| Benzene | ND | | 4.0 | 1.6 | ug/L | | | 05/31/22 16:00 | 4 |
| Bromodichloromethane | ND | | 4.0 | 1.6 | ug/L | | | 05/31/22 16:00 | 4 |
| Bromoform | ND | | 4.0 | 1.0 | ug/L | | | 05/31/22 16:00 | 4 |
| Bromomethane | ND | | 4.0 | 2.8 | ug/L | | | 05/31/22 16:00 | 4 |
| Carbon disulfide | ND | | 4.0 | 0.76 | ug/L | | | 05/31/22 16:00 | 4 |
| Carbon tetrachloride | ND | | 4.0 | 1.1 | ug/L | | | 05/31/22 16:00 | 4 |
| **Chlorobenzene** | **29** | | 4.0 | 3.0 | ug/L | | | 05/31/22 16:00 | 4 |
| Chloroethane | ND | | 4.0 | 1.3 | ug/L | | | 05/31/22 16:00 | 4 |
| Chloroform | ND | | 4.0 | 1.4 | ug/L | | | 05/31/22 16:00 | 4 |
| Chloromethane | ND | | 4.0 | 1.4 | ug/L | | | 05/31/22 16:00 | 4 |
| cis-1,2-Dichloroethene | ND | | 4.0 | 3.2 | ug/L | | | 05/31/22 16:00 | 4 |
| cis-1,3-Dichloropropene | ND | | 4.0 | 1.4 | ug/L | | | 05/31/22 16:00 | 4 |
| Cyclohexane | ND | | 4.0 | 0.72 | ug/L | | | 05/31/22 16:00 | 4 |
| Dibromochloromethane | ND | | 4.0 | 1.3 | ug/L | | | 05/31/22 16:00 | 4 |
| Dichlorodifluoromethane | ND | | 4.0 | 2.7 | ug/L | | | 05/31/22 16:00 | 4 |
| Ethylbenzene | ND | | 4.0 | 3.0 | ug/L | | | 05/31/22 16:00 | 4 |
| Isopropylbenzene | ND | | 4.0 | 3.2 | ug/L | | | 05/31/22 16:00 | 4 |
| Methyl acetate | ND | | 10 | 5.2 | ug/L | | | 05/31/22 16:00 | 4 |
| Methyl tert-butyl ether | ND | | 4.0 | 0.64 | ug/L | | | 05/31/22 16:00 | 4 |
| Methylcyclohexane | ND | | 4.0 | 0.64 | ug/L | | | 05/31/22 16:00 | 4 |
| Methylene Chloride | ND | | 4.0 | 1.8 | ug/L | | | 05/31/22 16:00 | 4 |
| Styrene | ND | | 4.0 | 2.9 | ug/L | | | 05/31/22 16:00 | 4 |
| Tetrachloroethene | ND | | 4.0 | 1.4 | ug/L | | | 05/31/22 16:00 | 4 |
| Toluene | ND | | 4.0 | 2.0 | ug/L | | | 05/31/22 16:00 | 4 |
| trans-1,2-Dichloroethene | ND | | 4.0 | 3.6 | ug/L | | | 05/31/22 16:00 | 4 |
| trans-1,3-Dichloropropene | ND | | 4.0 | 1.5 | ug/L | | | 05/31/22 16:00 | 4 |
| Trichloroethene | ND | | 4.0 | 1.8 | ug/L | | | 05/31/22 16:00 | 4 |
| Trichlorofluoromethane | ND | | 4.0 | 3.5 | ug/L | | | 05/31/22 16:00 | 4 |
| Vinyl chloride | ND | | 4.0 | 3.6 | ug/L | | | 05/31/22 16:00 | 4 |
| Xylenes, Total | ND | | 8.0 | 2.6 | ug/L | | | 05/31/22 16:00 | 4 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522

**Lab Sample ID: 480-198238-1**

**Date Collected: 05/23/22 09:45**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *77 - 120* | | *05/31/22 16:00* | *4* |
| *4-Bromofluorobenzene (Surr)* | *105* | | *73 - 120* | | *05/31/22 16:00* | *4* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/31/22 16:00* | *4* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 123* | | *05/31/22 16:00* | *4* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **2,4,5-Trichlorophenol** | **0.69** | **J** | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| **2,4-Dichlorophenol** | **0.64** | **J** | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| **Aniline** | **0.73** | **J** | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522

**Date Collected: 05/23/22 09:45**
**Date Received: 05/23/22 15:30**

## Lab Sample ID: 480-198238-1

**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 | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| **Di-n-butyl phthalate** | **6.9** | **B** | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 17:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *96* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |
| *2-Fluorobiphenyl* | *77* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |
| *2-Fluorophenol* | *54* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |
| *Nitrobenzene-d5* | *63* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |
| *Phenol-d5* | *42* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |
| *p-Terphenyl-d14* | *78* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 17:25* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **2.6** | | 0.20 | 0.060 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Arsenic** | **0.013** | **J** | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Barium** | **0.047** | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Calcium** | **395** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Chromium** | **0.0072** | | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Cobalt** | **0.0012** | **J** | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Copper** | **0.0021** | **J** | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Iron** | **3.3** | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Lead** | **0.068** | | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Magnesium** | **68.6** | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Manganese** | **0.36** | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Nickel** | **0.0075** | **J** | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Potassium** | **10.5** | **B ^+** | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522

**Lab Sample ID: 480-198238-1**

**Date Collected: 05/23/22 09:45**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Sodium** | **1660** | | 5.0 | 1.6 | mg/L | | 05/26/22 09:56 | 05/31/22 14:09 | 5 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Vanadium** | **0.010** | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |
| **Zinc** | **0.059** | **B** | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 22:44 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.00020** | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 14:51 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04_0522

**Lab Sample ID: 480-198238-2**

**Date Collected: 05/23/22 11:45**
**Date Received: 05/23/22 15:30**

**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 | | 5.0 | 4.1 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.1 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,1-Dichloroethane | ND | | 5.0 | 1.9 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,1-Dichloroethene | ND | | 5.0 | 1.5 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.0 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2-Dibromoethane | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 4.0 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2-Dichloroethane | ND | | 5.0 | 1.1 | ug/L | | | 05/31/22 16:23 | 5 |
| 1,2-Dichloropropane | ND | | 5.0 | 3.6 | ug/L | | | 05/31/22 16:23 | 5 |
| **1,3-Dichlorobenzene** | **15** | | 5.0 | 3.9 | ug/L | | | 05/31/22 16:23 | 5 |
| **1,4-Dichlorobenzene** | **31** | | 5.0 | 4.2 | ug/L | | | 05/31/22 16:23 | 5 |
| 2-Butanone (MEK) | ND | *+ | 50 | 6.6 | ug/L | | | 05/31/22 16:23 | 5 |
| 2-Hexanone | ND | | 25 | 6.2 | ug/L | | | 05/31/22 16:23 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 11 | ug/L | | | 05/31/22 16:23 | 5 |
| Acetone | ND | | 50 | 15 | ug/L | | | 05/31/22 16:23 | 5 |
| Benzene | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 16:23 | 5 |
| Bromodichloromethane | ND | | 5.0 | 2.0 | ug/L | | | 05/31/22 16:23 | 5 |
| Bromoform | ND | | 5.0 | 1.3 | ug/L | | | 05/31/22 16:23 | 5 |
| Bromomethane | ND | | 5.0 | 3.5 | ug/L | | | 05/31/22 16:23 | 5 |
| Carbon disulfide | ND | | 5.0 | 0.95 | ug/L | | | 05/31/22 16:23 | 5 |
| Carbon tetrachloride | ND | | 5.0 | 1.4 | ug/L | | | 05/31/22 16:23 | 5 |
| **Chlorobenzene** | **260** | **F1** | 5.0 | 3.8 | ug/L | | | 05/31/22 16:23 | 5 |
| Chloroethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 16:23 | 5 |
| Chloroform | ND | | 5.0 | 1.7 | ug/L | | | 05/31/22 16:23 | 5 |
| Chloromethane | ND | F1 | 5.0 | 1.8 | ug/L | | | 05/31/22 16:23 | 5 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 4.1 | ug/L | | | 05/31/22 16:23 | 5 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.8 | ug/L | | | 05/31/22 16:23 | 5 |
| Cyclohexane | ND | | 5.0 | 0.90 | ug/L | | | 05/31/22 16:23 | 5 |
| Dibromochloromethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 16:23 | 5 |
| Dichlorodifluoromethane | ND | F1 | 5.0 | 3.4 | ug/L | | | 05/31/22 16:23 | 5 |
| Ethylbenzene | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 16:23 | 5 |
| Isopropylbenzene | ND | | 5.0 | 4.0 | ug/L | | | 05/31/22 16:23 | 5 |
| Methyl acetate | ND | | 13 | 6.5 | ug/L | | | 05/31/22 16:23 | 5 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.80 | ug/L | | | 05/31/22 16:23 | 5 |
| Methylcyclohexane | ND | | 5.0 | 0.80 | ug/L | | | 05/31/22 16:23 | 5 |
| Methylene Chloride | ND | | 5.0 | 2.2 | ug/L | | | 05/31/22 16:23 | 5 |
| Styrene | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 16:23 | 5 |
| Tetrachloroethene | ND | | 5.0 | 1.8 | ug/L | | | 05/31/22 16:23 | 5 |
| Toluene | ND | | 5.0 | 2.6 | ug/L | | | 05/31/22 16:23 | 5 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 4.5 | ug/L | | | 05/31/22 16:23 | 5 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.9 | ug/L | | | 05/31/22 16:23 | 5 |
| Trichloroethene | ND | | 5.0 | 2.3 | ug/L | | | 05/31/22 16:23 | 5 |
| Trichlorofluoromethane | ND | | 5.0 | 4.4 | ug/L | | | 05/31/22 16:23 | 5 |
| Vinyl chloride | ND | | 5.0 | 4.5 | ug/L | | | 05/31/22 16:23 | 5 |
| Xylenes, Total | ND | | 10 | 3.3 | ug/L | | | 05/31/22 16:23 | 5 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04_0522

**Lab Sample ID: 480-198238-2**

**Date Collected: 05/23/22 11:45**
**Date Received: 05/23/22 15:30**

**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *77 - 120* | | *05/31/22 16:23* | *5* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *73 - 120* | | *05/31/22 16:23* | *5* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/31/22 16:23* | *5* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 123* | | *05/31/22 16:23* | *5* |

### 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 | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,4,6-Trichlorophenol | ND | F2 F1 | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,4-Dichlorophenol | ND | F2 | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,4-Dinitrophenol | ND | F2 | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,4-Dinitrotoluene | ND | F2 | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2,6-Dinitrotoluene | ND | F2 | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2-Chloronaphthalene | ND | F2 | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| **2-Chlorophenol** | **0.61** | **J F2** | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2-Methylnaphthalene | ND | F2 | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2-Methylphenol | ND | F2 | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2-Nitroaniline | ND | F2 | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 2-Nitrophenol | ND | F2 | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 3-Nitroaniline | ND | F2 | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Bromophenyl phenyl ether | ND | F2 | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Chloro-3-methylphenol | ND | F2 | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Chloroaniline | ND | F2 | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Chlorophenyl phenyl ether | ND | F2 | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Methylphenol | ND | F2 | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Nitroaniline | ND | F2 | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Acenaphthene | ND | F2 | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Acenaphthylene | ND | F2 F1 | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Acetophenone | ND | F2 | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| **Aniline** | **1.1** | **J** | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Anthracene | ND | F2 | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Atrazine | ND | F2 | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzaldehyde | ND | F2 | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzo(a)anthracene | ND | F2 | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzo(a)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzo(b)fluoranthene | ND | F2 | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzo(g,h,i)perylene | ND | F2 | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Benzo(k)fluoranthene | ND | F2 | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Biphenyl | ND | F2 F1 | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| bis (2-chloroisopropyl) ether | ND | F2 | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Bis(2-chloroethoxy)methane | ND | F2 | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Bis(2-chloroethyl)ether | ND | F2 | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Butyl benzyl phthalate | ND | F2 | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Caprolactam | ND | F2 | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Carbazole | ND | F2 | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04_0522

**Lab Sample ID: 480-198238-2**

**Date Collected: 05/23/22 11:45**
**Date Received: 05/23/22 15:30**

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chrysene | ND | F2 | 5.0 | 0.33 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Dibenz(a,h)anthracene | ND | F2 | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Dibenzofuran | ND | F2 | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Diethyl phthalate | ND | F2 | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Dimethyl phthalate | ND | F2 | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| **Di-n-butyl phthalate** | **5.4** | **F2 F1 B** | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Di-n-octyl phthalate | ND | F2 | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Fluoranthene | ND | F2 | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Fluorene | ND | F2 | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Hexachlorobenzene | ND | F2 | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Isophorone | ND | F2 | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Naphthalene | ND | F2 | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Nitrobenzene | ND | F2 | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| N-Nitrosodi-n-propylamine | ND | F2 | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| **N-Nitrosodiphenylamine** | **0.63** | **J F2** | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Phenanthrene | ND | F2 | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Phenol | ND | F2 | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |
| Pyrene | ND | F2 | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 16:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *83* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |
| *2-Fluorobiphenyl* | *70* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |
| *2-Fluorophenol* | *49* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |
| *Nitrobenzene-d5* | *59* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |
| *Phenol-d5* | *37* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |
| *p-Terphenyl-d14* | *66* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 16:03* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Barium** | **0.60** | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Calcium** | **225** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Iron** | **3.3** | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Lead** | **0.0038** | **J** | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Magnesium** | **33.7** | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Manganese** | **0.73** | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Potassium** | **11.4** | **^+ B** | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04_0522

**Lab Sample ID: 480-198238-2**

**Date Collected: 05/23/22 11:45**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Sodium** | **101** | | 1.0 | 0.32 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |
| **Zinc** | **0.0054** | **J B** | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 22:48 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 14:52 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-20_0522

**Lab Sample ID: 480-198238-3**

**Date Collected: 05/23/22 13:45**
**Matrix: Water**
**Date Received: 05/23/22 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 | | | 05/31/22 16:45 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 05/31/22 16:45 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 05/31/22 16:45 | 1 |
| 2-Butanone (MEK) | ND | *+ | 10 | 1.3 | ug/L | | | 05/31/22 16:45 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 16:45 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 16:45 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 05/31/22 16:45 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 16:45 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 16:45 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 05/31/22 16:45 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 05/31/22 16:45 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 05/31/22 16:45 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 05/31/22 16:45 | 1 |
| **Chlorobenzene** | **2.2** | | 1.0 | 0.75 | ug/L | | | 05/31/22 16:45 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 16:45 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 05/31/22 16:45 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 05/31/22 16:45 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 05/31/22 16:45 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 16:45 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 05/31/22 16:45 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 16:45 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 05/31/22 16:45 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 05/31/22 16:45 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 16:45 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 05/31/22 16:45 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 16:45 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 16:45 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 05/31/22 16:45 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 16:45 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 16:45 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 05/31/22 16:45 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 16:45 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 05/31/22 16:45 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 05/31/22 16:45 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 05/31/22 16:45 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 16:45 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 05/31/22 16:45 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-20_0522

**Date Collected: 05/23/22 13:45**
**Date Received: 05/23/22 15:30**

## Lab Sample ID: 480-198238-3

**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* | | *05/31/22 16:45* | *1* |
| *4-Bromofluorobenzene (Surr)* | *108* | | *73 - 120* | | *05/31/22 16:45* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* | | *05/31/22 16:45* | *1* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 123* | | *05/31/22 16:45* | *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 | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |

## Client Sample ID: BCC Area C RFI-20_0522

**Lab Sample ID: 480-198238-3**

**Date Collected: 05/23/22 13:45**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| **Di-n-butyl phthalate** | **7.3** | **B** | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 17:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *91* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 17:53* | *1* |
| *2-Fluorobiphenyl* | *83* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 17:53* | *1* |
| *2-Fluorophenol* | *61* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 17:53* | *1* |
| *Nitrobenzene-d5* | *71* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 17:53* | *1* |
| *Phenol-d5* | *47* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 17:53* | *1* |
| *p-Terphenyl-d14* | *87* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 17:53* | *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 | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Barium** | **0.056** | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Calcium** | **251** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Cobalt** | **0.0016** | **J** | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Iron** | **6.0** | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Magnesium** | **16.4** | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Manganese** | **0.48** | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Nickel** | **0.0053** | **J** | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Potassium** | **10.6** | **B ^+** | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-20_0522

**Lab Sample ID: 480-198238-3**

**Date Collected: 05/23/22 13:45**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Sodium** | **58.1** | | 1.0 | 0.32 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |
| **Zinc** | **0.098** | **B** | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:19 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 14:57 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**
**Date Received: 05/23/22 15:30**

**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 | | | 05/31/22 17:07 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 17:07 | 1 |
| **1,2-Dichlorobenzene** | **1.1** | | 1.0 | 0.79 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 05/31/22 17:07 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 05/31/22 17:07 | 1 |
| 2-Butanone (MEK) | ND | *+ | 10 | 1.3 | ug/L | | | 05/31/22 17:07 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 17:07 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 17:07 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 05/31/22 17:07 | 1 |
| **Benzene** | **0.44** | **J** | 1.0 | 0.41 | ug/L | | | 05/31/22 17:07 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 17:07 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 05/31/22 17:07 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 05/31/22 17:07 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 05/31/22 17:07 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 05/31/22 17:07 | 1 |
| **Chlorobenzene** | **97** | | 1.0 | 0.75 | ug/L | | | 05/31/22 17:07 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 17:07 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 05/31/22 17:07 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 05/31/22 17:07 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 05/31/22 17:07 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 17:07 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 05/31/22 17:07 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 17:07 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 05/31/22 17:07 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 05/31/22 17:07 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 17:07 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 05/31/22 17:07 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 17:07 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 17:07 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 05/31/22 17:07 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 17:07 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 17:07 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 05/31/22 17:07 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 17:07 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 05/31/22 17:07 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 05/31/22 17:07 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 05/31/22 17:07 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 17:07 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 05/31/22 17:07 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**
**Date Received: 05/23/22 15:30**

**Matrix: Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *77 - 120* | | *05/31/22 17:07* | *1* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *73 - 120* | | *05/31/22 17:07* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* | | *05/31/22 17:07* | *1* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 123* | | *05/31/22 17:07* | *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 | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| **Di-n-butyl phthalate** | **6.0** | **B** | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 18:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *92* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |
| *2-Fluorobiphenyl* | *89* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |
| *2-Fluorophenol* | *66* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |
| *Nitrobenzene-d5* | *78* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |
| *Phenol-d5* | *48* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |
| *p-Terphenyl-d14* | *86* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 18:21* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **0.11** | **J** | 0.20 | 0.060 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Arsenic** | **0.013** | **J** | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Barium** | **0.068** | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Calcium** | **136** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Chromium** | **0.0011** | **J** | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Iron** | **3.8** | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Lead** | **0.0049** | **J** | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Magnesium** | **25.9** | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Manganese** | **0.066** | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Nickel** | **0.0019** | **J** | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Potassium** | **5.3** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/31/22 14:13 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**
**Matrix: Water**
**Date Received: 05/23/22 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 | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Sodium** | **44.8** | | 1.0 | 0.32 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |
| **Zinc** | **0.0018** | **J B** | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:23 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 15:01 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04 D_0522

**Lab Sample ID: 480-198238-5**

**Date Collected: 05/23/22 11:55**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 5.0 | 4.1 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.1 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,1-Dichloroethane | ND | | 5.0 | 1.9 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,1-Dichloroethene | ND | | 5.0 | 1.5 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.0 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2-Dibromoethane | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 4.0 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2-Dichloroethane | ND | | 5.0 | 1.1 | ug/L | | | 05/31/22 17:29 | 5 |
| 1,2-Dichloropropane | ND | | 5.0 | 3.6 | ug/L | | | 05/31/22 17:29 | 5 |
| **1,3-Dichlorobenzene** | **16** | | 5.0 | 3.9 | ug/L | | | 05/31/22 17:29 | 5 |
| **1,4-Dichlorobenzene** | **32** | | 5.0 | 4.2 | ug/L | | | 05/31/22 17:29 | 5 |
| 2-Butanone (MEK) | ND | *+ | 50 | 6.6 | ug/L | | | 05/31/22 17:29 | 5 |
| 2-Hexanone | ND | | 25 | 6.2 | ug/L | | | 05/31/22 17:29 | 5 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 11 | ug/L | | | 05/31/22 17:29 | 5 |
| Acetone | ND | | 50 | 15 | ug/L | | | 05/31/22 17:29 | 5 |
| Benzene | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 17:29 | 5 |
| Bromodichloromethane | ND | | 5.0 | 2.0 | ug/L | | | 05/31/22 17:29 | 5 |
| Bromoform | ND | | 5.0 | 1.3 | ug/L | | | 05/31/22 17:29 | 5 |
| Bromomethane | ND | | 5.0 | 3.5 | ug/L | | | 05/31/22 17:29 | 5 |
| Carbon disulfide | ND | | 5.0 | 0.95 | ug/L | | | 05/31/22 17:29 | 5 |
| Carbon tetrachloride | ND | | 5.0 | 1.4 | ug/L | | | 05/31/22 17:29 | 5 |
| **Chlorobenzene** | **270** | | 5.0 | 3.8 | ug/L | | | 05/31/22 17:29 | 5 |
| Chloroethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 17:29 | 5 |
| Chloroform | ND | | 5.0 | 1.7 | ug/L | | | 05/31/22 17:29 | 5 |
| Chloromethane | ND | | 5.0 | 1.8 | ug/L | | | 05/31/22 17:29 | 5 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 4.1 | ug/L | | | 05/31/22 17:29 | 5 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.8 | ug/L | | | 05/31/22 17:29 | 5 |
| Cyclohexane | ND | | 5.0 | 0.90 | ug/L | | | 05/31/22 17:29 | 5 |
| Dibromochloromethane | ND | | 5.0 | 1.6 | ug/L | | | 05/31/22 17:29 | 5 |
| Dichlorodifluoromethane | ND | | 5.0 | 3.4 | ug/L | | | 05/31/22 17:29 | 5 |
| Ethylbenzene | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 17:29 | 5 |
| Isopropylbenzene | ND | | 5.0 | 4.0 | ug/L | | | 05/31/22 17:29 | 5 |
| Methyl acetate | ND | | 13 | 6.5 | ug/L | | | 05/31/22 17:29 | 5 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.80 | ug/L | | | 05/31/22 17:29 | 5 |
| Methylcyclohexane | ND | | 5.0 | 0.80 | ug/L | | | 05/31/22 17:29 | 5 |
| Methylene Chloride | ND | | 5.0 | 2.2 | ug/L | | | 05/31/22 17:29 | 5 |
| Styrene | ND | | 5.0 | 3.7 | ug/L | | | 05/31/22 17:29 | 5 |
| Tetrachloroethene | ND | | 5.0 | 1.8 | ug/L | | | 05/31/22 17:29 | 5 |
| Toluene | ND | | 5.0 | 2.6 | ug/L | | | 05/31/22 17:29 | 5 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 4.5 | ug/L | | | 05/31/22 17:29 | 5 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.9 | ug/L | | | 05/31/22 17:29 | 5 |
| Trichloroethene | ND | | 5.0 | 2.3 | ug/L | | | 05/31/22 17:29 | 5 |
| Trichlorofluoromethane | ND | | 5.0 | 4.4 | ug/L | | | 05/31/22 17:29 | 5 |
| Vinyl chloride | ND | | 5.0 | 4.5 | ug/L | | | 05/31/22 17:29 | 5 |
| Xylenes, Total | ND | | 10 | 3.3 | ug/L | | | 05/31/22 17:29 | 5 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04 D_0522

**Lab Sample ID: 480-198238-5**

**Date Collected: 05/23/22 11:55**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *77 - 120* | | *05/31/22 17:29* | *5* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *73 - 120* | | *05/31/22 17:29* | *5* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/31/22 17:29* | *5* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 123* | | *05/31/22 17:29* | *5* |

### 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 | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| **2-Chlorophenol** | **0.70** | **J** | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| **Aniline** | **1.1** | **J** | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |

## Client Sample ID: BCC Area C MW-C04 D_0522

**Lab Sample ID: 480-198238-5**

**Date Collected: 05/23/22 11:55**
**Matrix: Water**
**Date Received: 05/23/22 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 | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| **Di-n-butyl phthalate** | **5.3** | **B** | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| **N-Nitrosodiphenylamine** | **0.68** | **J** | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 18:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *98* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |
| *2-Fluorobiphenyl* | *83* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |
| *2-Fluorophenol* | *59* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |
| *Nitrobenzene-d5* | *71* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |
| *Phenol-d5* | *45* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |
| *p-Terphenyl-d14* | *70* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 18:48* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Barium** | **0.59** | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Calcium** | **225** | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Iron** | **3.3** | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Lead** | **0.0045** | **J** | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Magnesium** | **35.0** | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Manganese** | **0.75** | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Potassium** | **11.1** | **B ^+** | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C MW-C04 D_0522

**Lab Sample ID: 480-198238-5**

**Date Collected: 05/23/22 11:55**

**Matrix: Water**

**Date Received: 05/23/22 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 | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Sodium** | **101** | | 1.0 | 0.32 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |
| **Zinc** | **0.0050** | **J B** | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 23:27 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 15:03 | 1 |

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

Job ID: 480-198238-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-198238-6**

**Date Collected: 05/23/22 00:00**
**Matrix: Water**
**Date Received: 05/23/22 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 | | | 05/31/22 17:51 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 05/31/22 17:51 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 05/31/22 17:51 | 1 |
| 2-Butanone (MEK) | ND | *+ | 10 | 1.3 | ug/L | | | 05/31/22 17:51 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 17:51 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 17:51 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 05/31/22 17:51 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 17:51 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 17:51 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 05/31/22 17:51 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 05/31/22 17:51 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 05/31/22 17:51 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 05/31/22 17:51 | 1 |
| **Chlorobenzene** | **3.1** | | 1.0 | 0.75 | ug/L | | | 05/31/22 17:51 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 17:51 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 05/31/22 17:51 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 05/31/22 17:51 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 05/31/22 17:51 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 17:51 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 05/31/22 17:51 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 17:51 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 05/31/22 17:51 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 05/31/22 17:51 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 17:51 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 05/31/22 17:51 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 17:51 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 17:51 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 05/31/22 17:51 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 17:51 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 17:51 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 05/31/22 17:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 17:51 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 05/31/22 17:51 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 05/31/22 17:51 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 05/31/22 17:51 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 17:51 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 05/31/22 17:51 | 1 |

# Client Sample Results

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

Job ID: 480-198238-1

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-198238-6**

**Date Collected: 05/23/22 00:00**
**Date Received: 05/23/22 15:30**

**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 77 - 120 | | 05/31/22 17:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 106 | | 73 - 120 | | 05/31/22 17:51 | 1 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 | | 05/31/22 17:51 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 75 - 123 | | 05/31/22 17:51 | 1 |

# Surrogate Summary

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

Job ID: 480-198238-1

## 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) |
| 480-198238-1 | BCC Area C RFI-31_0522 | 100 | 105 | 104 | 102 |
| 480-198238-2 | BCC Area C MW-C04_0522 | 101 | 104 | 104 | 104 |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | 99 | 99 | 108 | 104 |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | 102 | 97 | 107 | 107 |
| 480-198238-3 | BCC Area C RFI-20_0522 | 99 | 108 | 101 | 104 |
| 480-198238-4 | BCC Area C PS-05A_0522 | 100 | 104 | 102 | 103 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | 100 | 104 | 104 | 104 |
| 480-198238-6 | TRIP BLANK | 100 | 106 | 102 | 103 |
| LCS 480-628097/5 | Lab Control Sample | 104 | 98 | 105 | 102 |
| LCSD 480-628097/27 | Lab Control Sample Dup | 102 | 97 | 107 | 102 |
| MB 480-628097/7 | Method Blank | 100 | 107 | 104 | 105 |

**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: 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) |
| 480-198238-1 | BCC Area C RFI-31_0522 | 96 | 77 | 54 | 63 | 42 | 78 |
| 480-198238-2 | BCC Area C MW-C04_0522 | 83 | 70 | 49 | 59 | 37 | 66 |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | 104 | 84 | 62 | 76 | 52 | 81 |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | 71 | 53 | 41 | 51 | 33 | 55 S1- |
| 480-198238-3 | BCC Area C RFI-20_0522 | 91 | 83 | 61 | 71 | 47 | 87 |
| 480-198238-4 | BCC Area C PS-05A_0522 | 92 | 89 | 66 | 78 | 48 | 86 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | 98 | 83 | 59 | 71 | 45 | 70 |
| LCS 480-627445/2-A | Lab Control Sample | 92 | 81 | 63 | 77 | 51 | 104 |
| MB 480-627445/1-A | Method Blank | 67 | 94 | 67 | 84 | 51 | 107 |

**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 480-628097/7**
**Matrix: Water**
**Analysis Batch: 628097**

**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 | | | 05/31/22 12:59 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 05/31/22 12:59 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 05/31/22 12:59 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 05/31/22 12:59 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 05/31/22 12:59 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 05/31/22 12:59 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 05/31/22 12:59 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 05/31/22 12:59 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 05/31/22 12:59 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 05/31/22 12:59 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 05/31/22 12:59 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 05/31/22 12:59 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 05/31/22 12:59 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 05/31/22 12:59 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 12:59 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 05/31/22 12:59 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 05/31/22 12:59 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 05/31/22 12:59 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 12:59 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 05/31/22 12:59 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 05/31/22 12:59 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 05/31/22 12:59 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 05/31/22 12:59 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 05/31/22 12:59 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 05/31/22 12:59 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 12:59 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 05/31/22 12:59 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 05/31/22 12:59 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 05/31/22 12:59 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 05/31/22 12:59 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 05/31/22 12:59 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 12:59 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 05/31/22 12:59 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 05/31/22 12:59 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 05/31/22 12:59 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 05/31/22 12:59 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 05/31/22 12:59 | 1 |

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

**Lab Sample ID: MB 480-628097/7**
**Matrix: Water**
**Analysis Batch: 628097**

**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 | | 05/31/22 12:59 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 73 - 120 | | 05/31/22 12:59 | 1 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 | | 05/31/22 12:59 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 75 - 123 | | 05/31/22 12:59 | 1 |

**Lab Sample ID: LCS 480-628097/5**
**Matrix: Water**
**Analysis Batch: 628097**

**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 | 25.2 | | ug/L | | 101 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.7 | | ug/L | | 99 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0 | 24.7 | | ug/L | | 99 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 24.2 | | ug/L | | 97 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 27.6 | | ug/L | | 110 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 25.4 | | ug/L | | 102 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 26.0 | | ug/L | | 104 | 79 - 122 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 22.0 | | ug/L | | 88 | 56 - 134 |
| 1,2-Dibromoethane | 25.0 | 25.8 | | ug/L | | 103 | 77 - 120 |
| 1,2-Dichlorobenzene | 25.0 | 26.6 | | ug/L | | 106 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 24.8 | | ug/L | | 99 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 25.9 | | ug/L | | 104 | 76 - 120 |
| 1,3-Dichlorobenzene | 25.0 | 26.7 | | ug/L | | 107 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 26.5 | | ug/L | | 106 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 209 | *+ | ug/L | | 167 | 57 - 140 |
| 2-Hexanone | 125 | 99.6 | | ug/L | | 80 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 110 | | ug/L | | 88 | 71 - 125 |
| Acetone | 125 | 122 | | ug/L | | 97 | 56 - 142 |
| Benzene | 25.0 | 26.3 | | ug/L | | 105 | 71 - 124 |
| Bromodichloromethane | 25.0 | 24.5 | | ug/L | | 98 | 80 - 122 |
| Bromoform | 25.0 | 25.3 | | ug/L | | 101 | 61 - 132 |
| Bromomethane | 25.0 | 25.5 | | ug/L | | 102 | 55 - 144 |
| Carbon disulfide | 25.0 | 24.9 | | ug/L | | 100 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 25.6 | | ug/L | | 102 | 72 - 134 |
| Chlorobenzene | 25.0 | 26.7 | | ug/L | | 107 | 80 - 120 |
| Chloroethane | 25.0 | 25.0 | | ug/L | | 100 | 69 - 136 |
| Chloroform | 25.0 | 25.1 | | ug/L | | 100 | 73 - 127 |
| Chloromethane | 25.0 | 20.7 | | ug/L | | 83 | 68 - 124 |
| cis-1,2-Dichloroethene | 25.0 | 26.8 | | ug/L | | 107 | 74 - 124 |
| cis-1,3-Dichloropropene | 25.0 | 26.0 | | ug/L | | 104 | 74 - 124 |
| Cyclohexane | 25.0 | 23.8 | | ug/L | | 95 | 59 - 135 |
| Dibromochloromethane | 25.0 | 26.2 | | ug/L | | 105 | 75 - 125 |
| Dichlorodifluoromethane | 25.0 | 17.0 | | ug/L | | 68 | 59 - 135 |
| Ethylbenzene | 25.0 | 25.8 | | ug/L | | 103 | 77 - 123 |
| Isopropylbenzene | 25.0 | 27.7 | | ug/L | | 111 | 77 - 122 |
| Methyl acetate | 50.0 | 47.5 | | ug/L | | 95 | 74 - 133 |
| Methyl tert-butyl ether | 25.0 | 25.8 | | ug/L | | 103 | 77 - 120 |
| Methylcyclohexane | 25.0 | 24.2 | | ug/L | | 97 | 68 - 134 |

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

**Lab Sample ID: LCS 480-628097/5**
**Matrix: Water**
**Analysis Batch: 628097**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 25.0 | 27.0 | | ug/L | | 108 | 75 - 124 |
| Styrene | 25.0 | 24.3 | | ug/L | | 97 | 80 - 120 |
| Tetrachloroethene | 25.0 | 27.0 | | ug/L | | 108 | 74 - 122 |
| Toluene | 25.0 | 26.7 | | ug/L | | 107 | 80 - 122 |
| trans-1,2-Dichloroethene | 25.0 | 26.8 | | ug/L | | 107 | 73 - 127 |
| trans-1,3-Dichloropropene | 25.0 | 25.8 | | ug/L | | 103 | 80 - 120 |
| Trichloroethene | 25.0 | 25.8 | | ug/L | | 103 | 74 - 123 |
| Trichlorofluoromethane | 25.0 | 25.9 | | ug/L | | 104 | 62 - 150 |
| Vinyl chloride | 25.0 | 22.5 | | ug/L | | 90 | 65 - 133 |
| Xylenes, Total | 50.0 | 51.5 | | ug/L | | 103 | 76 - 122 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *105* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 123* |

**Lab Sample ID: LCSD 480-628097/27**
**Matrix: Water**
**Analysis Batch: 628097**

**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 | 23.9 | | ug/L | | 96 | 73 - 126 | 5 | 15 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.3 | | ug/L | | 97 | 76 - 120 | 1 | 15 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 25.0 | 23.0 | | ug/L | | 92 | 61 - 148 | 7 | 20 |
| 1,1,2-Trichloroethane | 25.0 | 24.2 | | ug/L | | 97 | 76 - 122 | 0 | 15 |
| 1,1-Dichloroethane | 25.0 | 26.6 | | ug/L | | 106 | 77 - 120 | 4 | 20 |
| 1,1-Dichloroethene | 25.0 | 24.1 | | ug/L | | 96 | 66 - 127 | 5 | 16 |
| 1,2,4-Trichlorobenzene | 25.0 | 25.6 | | ug/L | | 102 | 79 - 122 | 2 | 20 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 21.6 | | ug/L | | 86 | 56 - 134 | 2 | 15 |
| 1,2-Dibromoethane | 25.0 | 25.4 | | ug/L | | 102 | 77 - 120 | 2 | 15 |
| 1,2-Dichlorobenzene | 25.0 | 26.0 | | ug/L | | 104 | 80 - 124 | 2 | 20 |
| 1,2-Dichloroethane | 25.0 | 24.0 | | ug/L | | 96 | 75 - 120 | 3 | 20 |
| 1,2-Dichloropropane | 25.0 | 25.1 | | ug/L | | 100 | 76 - 120 | 3 | 20 |
| 1,3-Dichlorobenzene | 25.0 | 26.1 | | ug/L | | 104 | 77 - 120 | 2 | 20 |
| 1,4-Dichlorobenzene | 25.0 | 25.8 | | ug/L | | 103 | 80 - 120 | 3 | 20 |
| 2-Butanone (MEK) | 125 | 203 | *+ | ug/L | | 162 | 57 - 140 | 3 | 20 |
| 2-Hexanone | 125 | 96.2 | | ug/L | | 77 | 65 - 127 | 3 | 15 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 109 | | ug/L | | 88 | 71 - 125 | 0 | 35 |
| Acetone | 125 | 117 | | ug/L | | 93 | 56 - 142 | 4 | 15 |
| Benzene | 25.0 | 25.1 | | ug/L | | 101 | 71 - 124 | 4 | 13 |
| Bromodichloromethane | 25.0 | 23.7 | | ug/L | | 95 | 80 - 122 | 4 | 15 |
| Bromoform | 25.0 | 25.0 | | ug/L | | 100 | 61 - 132 | 1 | 15 |
| Bromomethane | 25.0 | 23.6 | | ug/L | | 94 | 55 - 144 | 8 | 15 |
| Carbon disulfide | 25.0 | 23.6 | | ug/L | | 94 | 59 - 134 | 6 | 15 |
| Carbon tetrachloride | 25.0 | 24.4 | | ug/L | | 98 | 72 - 134 | 5 | 15 |
| Chlorobenzene | 25.0 | 26.2 | | ug/L | | 105 | 80 - 120 | 2 | 25 |
| Chloroethane | 25.0 | 23.4 | | ug/L | | 94 | 69 - 136 | 7 | 15 |

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

**Lab Sample ID: LCSD 480-628097/27**
**Matrix: Water**
**Analysis Batch: 628097**

**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 | 24.0 | | ug/L | | 96 | 73 - 127 | 4 | 20 |
| Chloromethane | | | 25.0 | 19.5 | | ug/L | | 78 | 68 - 124 | 6 | 15 |
| cis-1,2-Dichloroethene | | | 25.0 | 25.8 | | ug/L | | 103 | 74 - 124 | 4 | 15 |
| cis-1,3-Dichloropropene | | | 25.0 | 25.0 | | ug/L | | 100 | 74 - 124 | 4 | 15 |
| Cyclohexane | | | 25.0 | 22.6 | | ug/L | | 91 | 59 - 135 | 5 | 20 |
| Dibromochloromethane | | | 25.0 | 26.2 | | ug/L | | 105 | 75 - 125 | 0 | 15 |
| Dichlorodifluoromethane | | | 25.0 | 16.1 | | ug/L | | 64 | 59 - 135 | 5 | 20 |
| Ethylbenzene | | | 25.0 | 25.0 | | ug/L | | 100 | 77 - 123 | 3 | 15 |
| Isopropylbenzene | | | 25.0 | 26.9 | | ug/L | | 108 | 77 - 122 | 3 | 20 |
| Methyl acetate | | | 50.0 | 47.0 | | ug/L | | 94 | 74 - 133 | 1 | 20 |
| Methyl tert-butyl ether | | | 25.0 | 25.1 | | ug/L | | 100 | 77 - 120 | 3 | 37 |
| Methylcyclohexane | | | 25.0 | 22.9 | | ug/L | | 92 | 68 - 134 | 5 | 20 |
| Methylene Chloride | | | 25.0 | 26.2 | | ug/L | | 105 | 75 - 124 | 3 | 15 |
| Styrene | | | 25.0 | 23.6 | | ug/L | | 95 | 80 - 120 | 3 | 20 |
| Tetrachloroethene | | | 25.0 | 26.5 | | ug/L | | 106 | 74 - 122 | 2 | 20 |
| Toluene | | | 25.0 | 26.2 | | ug/L | | 105 | 80 - 122 | 2 | 15 |
| trans-1,2-Dichloroethene | | | 25.0 | 25.7 | | ug/L | | 103 | 73 - 127 | 4 | 20 |
| trans-1,3-Dichloropropene | | | 25.0 | 25.6 | | ug/L | | 102 | 80 - 120 | 1 | 15 |
| Trichloroethene | | | 25.0 | 24.7 | | ug/L | | 99 | 74 - 123 | 4 | 16 |
| Trichlorofluoromethane | | | 25.0 | 24.3 | | ug/L | | 97 | 62 - 150 | 6 | 20 |
| Vinyl chloride | | | 25.0 | 21.0 | | ug/L | | 84 | 65 - 133 | 7 | 15 |
| Xylenes, Total | | | 50.0 | 50.8 | | ug/L | | 102 | 76 - 122 | 1 | 16 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *97* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *107* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 123* |

**Lab Sample ID: 480-198238-2 MS**
**Matrix: Water**
**Analysis Batch: 628097**

**Client Sample ID: BCC Area C MW-C04_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 | | 125 | 114 | | ug/L | | 91 | 73 - 126 | | |
| 1,1,2,2-Tetrachloroethane | ND | | 125 | 114 | | ug/L | | 91 | 76 - 120 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | ND | | 125 | 112 | | ug/L | | 90 | 61 - 148 | | |
| 1,1,2-Trichloroethane | ND | | 125 | 118 | | ug/L | | 94 | 76 - 122 | | |
| 1,1-Dichloroethane | ND | | 125 | 122 | | ug/L | | 98 | 77 - 120 | | |
| 1,1-Dichloroethene | ND | | 125 | 116 | | ug/L | | 93 | 66 - 127 | | |
| 1,2,4-Trichlorobenzene | ND | | 125 | 119 | | ug/L | | 95 | 79 - 122 | | |
| 1,2-Dibromo-3-Chloropropane | ND | | 125 | 99.5 | | ug/L | | 80 | 56 - 134 | | |
| 1,2-Dibromoethane | ND | | 125 | 122 | | ug/L | | 98 | 77 - 120 | | |
| 1,2-Dichlorobenzene | ND | | 125 | 125 | | ug/L | | 100 | 80 - 124 | | |
| 1,2-Dichloroethane | ND | | 125 | 116 | | ug/L | | 93 | 75 - 120 | | |
| 1,2-Dichloropropane | ND | | 125 | 119 | | ug/L | | 95 | 76 - 120 | | |
| 1,3-Dichlorobenzene | 15 | | 125 | 138 | | ug/L | | 98 | 77 - 120 | | |
| 1,4-Dichlorobenzene | 31 | | 125 | 150 | | ug/L | | 95 | 78 - 124 | | |

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

**Lab Sample ID: 480-198238-2 MS**
**Matrix: Water**
**Analysis Batch: 628097**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | ND | *+ | 625 | 524 | | ug/L | | 84 | 57 - 140 |
| 2-Hexanone | ND | | 625 | 511 | | ug/L | | 82 | 65 - 127 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 625 | 542 | | ug/L | | 87 | 71 - 125 |
| Acetone | ND | | 625 | 489 | | ug/L | | 78 | 56 - 142 |
| Benzene | ND | | 125 | 121 | | ug/L | | 97 | 71 - 124 |
| Bromodichloromethane | ND | | 125 | 111 | | ug/L | | 89 | 80 - 122 |
| Bromoform | ND | | 125 | 113 | | ug/L | | 91 | 61 - 132 |
| Bromomethane | ND | | 125 | 111 | | ug/L | | 89 | 55 - 144 |
| Carbon disulfide | ND | | 125 | 111 | | ug/L | | 89 | 59 - 134 |
| Carbon tetrachloride | ND | | 125 | 116 | | ug/L | | 92 | 72 - 134 |
| Chlorobenzene | 260 | F1 | 125 | 372 | | ug/L | | 89 | 80 - 120 |
| Chloroethane | ND | | 125 | 103 | | ug/L | | 82 | 69 - 136 |
| Chloroform | ND | | 125 | 116 | | ug/L | | 93 | 73 - 127 |
| Chloromethane | ND | F1 | 125 | 81.6 | F1 | ug/L | | 65 | 68 - 124 |
| cis-1,2-Dichloroethene | ND | | 125 | 124 | | ug/L | | 99 | 74 - 124 |
| cis-1,3-Dichloropropene | ND | | 125 | 110 | | ug/L | | 88 | 74 - 124 |
| Cyclohexane | ND | | 125 | 110 | | ug/L | | 88 | 59 - 135 |
| Dibromochloromethane | ND | | 125 | 122 | | ug/L | | 97 | 75 - 125 |
| Dichlorodifluoromethane | ND | F1 | 125 | 52.0 | F1 | ug/L | | 42 | 59 - 135 |
| Ethylbenzene | ND | | 125 | 120 | | ug/L | | 96 | 77 - 123 |
| Isopropylbenzene | ND | | 125 | 120 | | ug/L | | 96 | 77 - 122 |
| Methyl acetate | ND | | 250 | 215 | | ug/L | | 86 | 74 - 133 |
| Methyl tert-butyl ether | ND | | 125 | 118 | | ug/L | | 95 | 77 - 120 |
| Methylcyclohexane | ND | | 125 | 105 | | ug/L | | 84 | 68 - 134 |
| Methylene Chloride | ND | | 125 | 128 | | ug/L | | 102 | 75 - 124 |
| Styrene | ND | | 125 | 116 | | ug/L | | 92 | 80 - 120 |
| Tetrachloroethene | ND | | 125 | 121 | | ug/L | | 97 | 74 - 122 |
| Toluene | ND | | 125 | 124 | | ug/L | | 99 | 80 - 122 |
| trans-1,2-Dichloroethene | ND | | 125 | 122 | | ug/L | | 97 | 73 - 127 |
| trans-1,3-Dichloropropene | ND | | 125 | 117 | | ug/L | | 93 | 80 - 120 |
| Trichloroethene | ND | | 125 | 114 | | ug/L | | 91 | 74 - 123 |
| Trichlorofluoromethane | ND | | 125 | 96.2 | | ug/L | | 77 | 62 - 150 |
| Vinyl chloride | ND | | 125 | 83.7 | | ug/L | | 67 | 65 - 133 |
| Xylenes, Total | ND | | 250 | 241 | | ug/L | | 96 | 76 - 122 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *99* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *99* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *108* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 123* |

**Lab Sample ID: 480-198238-2 MSD**
**Matrix: Water**
**Analysis Batch: 628097**

**Client Sample ID: BCC Area C MW-C04_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 | | 125 | 115 | | ug/L | | 92 | 73 - 126 | 1 | 15 |
| 1,1,2,2-Tetrachloroethane | ND | | 125 | 114 | | ug/L | | 91 | 76 - 120 | 0 | 15 |

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

**Lab Sample ID: 480-198238-2 MSD**
**Matrix: Water**
**Analysis Batch: 628097**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 125 | 113 | | ug/L | | 91 | 61 - 148 | 1 | 20 |
| 1,1,2-Trichloroethane | ND | | 125 | 115 | | ug/L | | 92 | 76 - 122 | 2 | 15 |
| 1,1-Dichloroethane | ND | | 125 | 124 | | ug/L | | 99 | 77 - 120 | 1 | 20 |
| 1,1-Dichloroethene | ND | | 125 | 117 | | ug/L | | 93 | 66 - 127 | 1 | 16 |
| 1,2,4-Trichlorobenzene | ND | | 125 | 120 | | ug/L | | 96 | 79 - 122 | 1 | 20 |
| 1,2-Dibromo-3-Chloropropane | ND | | 125 | 98.1 | | ug/L | | 78 | 56 - 134 | 1 | 15 |
| 1,2-Dibromoethane | ND | | 125 | 118 | | ug/L | | 95 | 77 - 120 | 3 | 15 |
| 1,2-Dichlorobenzene | ND | | 125 | 125 | | ug/L | | 100 | 80 - 124 | 0 | 20 |
| 1,2-Dichloroethane | ND | | 125 | 117 | | ug/L | | 93 | 75 - 120 | 0 | 20 |
| 1,2-Dichloropropane | ND | | 125 | 119 | | ug/L | | 96 | 76 - 120 | 1 | 20 |
| 1,3-Dichlorobenzene | 15 | | 125 | 137 | | ug/L | | 97 | 77 - 120 | 1 | 20 |
| 1,4-Dichlorobenzene | 31 | | 125 | 148 | | ug/L | | 94 | 78 - 124 | 1 | 20 |
| 2-Butanone (MEK) | ND | *+ | 625 | 536 | | ug/L | | 86 | 57 - 140 | 2 | 20 |
| 2-Hexanone | ND | | 625 | 493 | | ug/L | | 79 | 65 - 127 | 4 | 15 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 625 | 533 | | ug/L | | 85 | 71 - 125 | 2 | 35 |
| Acetone | ND | | 625 | 506 | | ug/L | | 81 | 56 - 142 | 3 | 15 |
| Benzene | ND | | 125 | 121 | | ug/L | | 97 | 71 - 124 | 0 | 13 |
| Bromodichloromethane | ND | | 125 | 113 | | ug/L | | 90 | 80 - 122 | 1 | 15 |
| Bromoform | ND | | 125 | 112 | | ug/L | | 89 | 61 - 132 | 2 | 15 |
| Bromomethane | ND | | 125 | 113 | | ug/L | | 91 | 55 - 144 | 2 | 15 |
| Carbon disulfide | ND | | 125 | 112 | | ug/L | | 90 | 59 - 134 | 1 | 15 |
| Carbon tetrachloride | ND | | 125 | 117 | | ug/L | | 94 | 72 - 134 | 2 | 15 |
| Chlorobenzene | 260 | F1 | 125 | 360 | F1 | ug/L | | 79 | 80 - 120 | 3 | 25 |
| Chloroethane | ND | | 125 | 102 | | ug/L | | 82 | 69 - 136 | 1 | 15 |
| Chloroform | ND | | 125 | 116 | | ug/L | | 93 | 73 - 127 | 0 | 20 |
| Chloromethane | ND | F1 | 125 | 81.6 | F1 | ug/L | | 65 | 68 - 124 | 0 | 15 |
| cis-1,2-Dichloroethene | ND | | 125 | 125 | | ug/L | | 100 | 74 - 124 | 1 | 15 |
| cis-1,3-Dichloropropene | ND | | 125 | 111 | | ug/L | | 88 | 74 - 124 | 1 | 15 |
| Cyclohexane | ND | | 125 | 110 | | ug/L | | 88 | 59 - 135 | 0 | 20 |
| Dibromochloromethane | ND | | 125 | 121 | | ug/L | | 97 | 75 - 125 | 1 | 15 |
| Dichlorodifluoromethane | ND | F1 | 125 | 53.1 | F1 | ug/L | | 42 | 59 - 135 | 2 | 20 |
| Ethylbenzene | ND | | 125 | 117 | | ug/L | | 93 | 77 - 123 | 3 | 15 |
| Isopropylbenzene | ND | | 125 | 121 | | ug/L | | 97 | 77 - 122 | 1 | 20 |
| Methyl acetate | ND | | 250 | 219 | | ug/L | | 88 | 74 - 133 | 2 | 20 |
| Methyl tert-butyl ether | ND | | 125 | 122 | | ug/L | | 97 | 77 - 120 | 3 | 37 |
| Methylcyclohexane | ND | | 125 | 106 | | ug/L | | 85 | 68 - 134 | 2 | 20 |
| Methylene Chloride | ND | | 125 | 129 | | ug/L | | 103 | 75 - 124 | 1 | 15 |
| Styrene | ND | | 125 | 112 | | ug/L | | 90 | 80 - 120 | 3 | 20 |
| Tetrachloroethene | ND | | 125 | 118 | | ug/L | | 95 | 74 - 122 | 3 | 20 |
| Toluene | ND | | 125 | 121 | | ug/L | | 97 | 80 - 122 | 2 | 15 |
| trans-1,2-Dichloroethene | ND | | 125 | 123 | | ug/L | | 98 | 73 - 127 | 1 | 20 |
| trans-1,3-Dichloropropene | ND | | 125 | 114 | | ug/L | | 91 | 80 - 120 | 2 | 15 |
| Trichloroethene | ND | | 125 | 114 | | ug/L | | 92 | 74 - 123 | 0 | 16 |
| Trichlorofluoromethane | ND | | 125 | 96.7 | | ug/L | | 77 | 62 - 150 | 1 | 20 |
| Vinyl chloride | ND | | 125 | 84.0 | | ug/L | | 67 | 65 - 133 | 0 | 15 |
| Xylenes, Total | ND | | 250 | 234 | | ug/L | | 94 | 76 - 122 | 3 | 16 |

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

**Lab Sample ID: 480-198238-2 MSD**
**Matrix: Water**
**Analysis Batch: 628097**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *77 - 120* |
| *4-Bromofluorobenzene (Surr)* | *97* | | *73 - 120* |
| *Toluene-d8 (Surr)* | *107* | | *80 - 120* |
| *Dibromofluoromethane (Surr)* | *107* | | *75 - 123* |

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

**Lab Sample ID: MB 480-627445/1-A**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,4-Dichlorophenol | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,4-Dimethylphenol | ND | | 5.0 | 0.50 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Chloronaphthalene | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Chlorophenol | ND | | 5.0 | 0.53 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Methylnaphthalene | ND | | 5.0 | 0.60 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Methylphenol | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Nitroaniline | ND | | 10 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 2-Nitrophenol | ND | | 5.0 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 3-Nitroaniline | ND | | 10 | 0.48 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Chloro-3-methylphenol | ND | | 5.0 | 0.45 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Chloroaniline | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Methylphenol | ND | | 10 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Nitroaniline | ND | | 10 | 0.25 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| 4-Nitrophenol | ND | | 10 | 1.5 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Acenaphthene | ND | | 5.0 | 0.41 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Acenaphthylene | ND | | 5.0 | 0.38 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Acetophenone | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Aniline | ND | | 10 | 0.61 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Anthracene | ND | | 5.0 | 0.28 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Atrazine | ND | | 5.0 | 0.46 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzaldehyde | ND | | 5.0 | 0.27 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzo(a)anthracene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzo(a)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzo(b)fluoranthene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzo(g,h,i)perylene | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Benzo(k)fluoranthene | ND | | 5.0 | 0.73 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Biphenyl | ND | | 5.0 | 0.65 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| bis (2-chloroisopropyl) ether | ND | | 5.0 | 0.52 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |

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

**Lab Sample ID: MB 480-627445/1-A**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bis(2-chloroethoxy)methane | ND | | 5.0 | 0.35 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Bis(2-chloroethyl)ether | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Butyl benzyl phthalate | ND | | 5.0 | 1.0 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Caprolactam | ND | | 5.0 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Carbazole | ND | | 5.0 | 0.30 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Chrysene | ND | | 5.0 | 0.33 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Dibenz(a,h)anthracene | ND | | 5.0 | 0.42 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Dibenzofuran | ND | | 10 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Diethyl phthalate | ND | | 5.0 | 0.22 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Dimethyl phthalate | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Di-n-butyl phthalate | 1.02 | J | 5.0 | 0.31 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Di-n-octyl phthalate | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Fluoranthene | ND | | 5.0 | 0.40 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Fluorene | ND | | 5.0 | 0.36 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Hexachlorobenzene | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Hexachlorobutadiene | ND | | 5.0 | 0.68 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Hexachlorocyclopentadiene | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Hexachloroethane | ND | | 5.0 | 0.59 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | 5.0 | 0.47 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Isophorone | ND | | 5.0 | 0.43 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Naphthalene | ND | | 5.0 | 0.76 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Nitrobenzene | ND | | 5.0 | 0.29 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 5.0 | 0.54 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| N-Nitrosodiphenylamine | ND | | 5.0 | 0.51 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Pentachlorophenol | ND | | 10 | 2.2 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Phenanthrene | ND | | 5.0 | 0.44 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Phenol | ND | | 5.0 | 0.39 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |
| Pyrene | ND | | 5.0 | 0.34 | ug/L | | 05/24/22 15:35 | 05/25/22 13:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol* | *67* | | *41 - 120* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |
| *2-Fluorobiphenyl* | *94* | | *48 - 120* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |
| *2-Fluorophenol* | *67* | | *35 - 120* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |
| *Nitrobenzene-d5* | *84* | | *46 - 120* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |
| *Phenol-d5* | *51* | | *22 - 120* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |
| *p-Terphenyl-d14* | *107* | | *60 - 148* | *05/24/22 15:35* | *05/25/22 13:17* | *1* |

**Lab Sample ID: LCS 480-627445/2-A**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 32.0 | 30.6 | | ug/L | | 96 | 65 - 126 |
| 2,4,6-Trichlorophenol | 32.0 | 28.8 | | ug/L | | 90 | 64 - 120 |
| 2,4-Dichlorophenol | 32.0 | 27.5 | | ug/L | | 86 | 63 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.5 | | ug/L | | 86 | 47 - 120 |
| 2,4-Dinitrophenol | 64.0 | 62.5 | | ug/L | | 98 | 31 - 137 |

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

**Lab Sample ID: LCS 480-627445/2-A**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4-Dinitrotoluene | 32.0 | 32.4 | | ug/L | | 101 | 69 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 30.8 | | ug/L | | 96 | 68 - 120 |
| 2-Chloronaphthalene | 32.0 | 25.5 | | ug/L | | 80 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.8 | | ug/L | | 81 | 48 - 120 |
| 2-Methylnaphthalene | 32.0 | 21.8 | | ug/L | | 68 | 59 - 120 |
| 2-Methylphenol | 32.0 | 26.0 | | ug/L | | 81 | 39 - 120 |
| 2-Nitroaniline | 32.0 | 29.6 | | ug/L | | 92 | 54 - 127 |
| 2-Nitrophenol | 32.0 | 26.7 | | ug/L | | 83 | 52 - 125 |
| 3,3'-Dichlorobenzidine | 64.0 | 54.1 | | ug/L | | 85 | 49 - 135 |
| 3-Nitroaniline | 32.0 | 27.6 | | ug/L | | 86 | 51 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 67.4 | | ug/L | | 105 | 46 - 136 |
| 4-Bromophenyl phenyl ether | 32.0 | 30.0 | | ug/L | | 94 | 65 - 120 |
| 4-Chloro-3-methylphenol | 32.0 | 28.9 | | ug/L | | 90 | 61 - 123 |
| 4-Chloroaniline | 32.0 | 25.4 | | ug/L | | 79 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 29.5 | | ug/L | | 92 | 62 - 120 |
| 4-Methylphenol | 32.0 | 25.8 | | ug/L | | 81 | 29 - 131 |
| 4-Nitroaniline | 32.0 | 31.8 | | ug/L | | 99 | 65 - 120 |
| 4-Nitrophenol | 64.0 | 45.8 | | ug/L | | 72 | 45 - 120 |
| Acenaphthene | 32.0 | 28.5 | | ug/L | | 89 | 60 - 120 |
| Acenaphthylene | 32.0 | 26.9 | | ug/L | | 84 | 63 - 120 |
| Acetophenone | 32.0 | 26.6 | | ug/L | | 83 | 45 - 120 |
| Aniline | 32.0 | 23.3 | | ug/L | | 73 | 12 - 120 |
| Anthracene | 32.0 | 30.8 | | ug/L | | 96 | 67 - 120 |
| Atrazine | 64.0 | 67.1 | | ug/L | | 105 | 71 - 130 |
| Benzaldehyde | 64.0 | 52.1 | | ug/L | | 81 | 10 - 140 |
| Benzo(a)anthracene | 32.0 | 32.1 | | ug/L | | 100 | 70 - 121 |
| Benzo(a)pyrene | 32.0 | 28.9 | | ug/L | | 90 | 60 - 123 |
| Benzo(b)fluoranthene | 32.0 | 32.7 | | ug/L | | 102 | 66 - 126 |
| Benzo(g,h,i)perylene | 32.0 | 34.9 | | ug/L | | 109 | 66 - 150 |
| Benzo(k)fluoranthene | 32.0 | 31.9 | | ug/L | | 100 | 65 - 124 |
| Biphenyl | 32.0 | 26.1 | | ug/L | | 81 | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0 | 24.7 | | ug/L | | 77 | 21 - 136 |
| Bis(2-chloroethoxy)methane | 32.0 | 26.9 | | ug/L | | 84 | 50 - 128 |
| Bis(2-chloroethyl)ether | 32.0 | 25.5 | | ug/L | | 80 | 44 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 32.6 | | ug/L | | 102 | 63 - 139 |
| Butyl benzyl phthalate | 32.0 | 34.6 | | ug/L | | 108 | 70 - 129 |
| Caprolactam | 64.0 | 25.1 | | ug/L | | 39 | 22 - 120 |
| Carbazole | 32.0 | 32.6 | | ug/L | | 102 | 66 - 123 |
| Chrysene | 32.0 | 31.4 | | ug/L | | 98 | 69 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 32.7 | | ug/L | | 102 | 65 - 135 |
| Dibenzofuran | 32.0 | 29.1 | | ug/L | | 91 | 66 - 120 |
| Diethyl phthalate | 32.0 | 32.8 | | ug/L | | 103 | 59 - 127 |
| Dimethyl phthalate | 32.0 | 32.2 | | ug/L | | 101 | 68 - 120 |
| Di-n-butyl phthalate | 32.0 | 34.3 | | ug/L | | 107 | 69 - 131 |
| Di-n-octyl phthalate | 32.0 | 32.8 | | ug/L | | 102 | 63 - 140 |
| Fluoranthene | 32.0 | 33.0 | | ug/L | | 103 | 69 - 126 |
| Fluorene | 32.0 | 30.6 | | ug/L | | 96 | 66 - 120 |
| Hexachlorobenzene | 32.0 | 30.7 | | ug/L | | 96 | 61 - 120 |
| Hexachlorobutadiene | 32.0 | 17.4 | | ug/L | | 54 | 35 - 120 |

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

**Lab Sample ID: LCS 480-627445/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627554** — **Prep Batch: 627445**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | 32.0 | 16.4 | | ug/L | | 51 | 31 - 120 |
| Hexachloroethane | 32.0 | 17.3 | | ug/L | | 54 | 43 - 120 |
| Indeno(1,2,3-cd)pyrene | 32.0 | 32.9 | | ug/L | | 103 | 69 - 146 |
| Isophorone | 32.0 | 28.4 | | ug/L | | 89 | 55 - 120 |
| Naphthalene | 32.0 | 23.9 | | ug/L | | 75 | 57 - 120 |
| Nitrobenzene | 32.0 | 25.6 | | ug/L | | 80 | 53 - 123 |
| N-Nitrosodi-n-propylamine | 32.0 | 27.4 | | ug/L | | 86 | 32 - 140 |
| N-Nitrosodiphenylamine | 32.0 | 31.1 | | ug/L | | 97 | 61 - 120 |
| Pentachlorophenol | 64.0 | 62.4 | | ug/L | | 98 | 29 - 136 |
| Phenanthrene | 32.0 | 31.0 | | ug/L | | 97 | 68 - 120 |
| Phenol | 32.0 | 17.3 | | ug/L | | 54 | 17 - 120 |
| Pyrene | 32.0 | 32.8 | | ug/L | | 102 | 70 - 125 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *92* | | *41 - 120* |
| *2-Fluorobiphenyl* | *81* | | *48 - 120* |
| *2-Fluorophenol* | *63* | | *35 - 120* |
| *Nitrobenzene-d5* | *77* | | *46 - 120* |
| *Phenol-d5* | *51* | | *22 - 120* |
| *p-Terphenyl-d14* | *104* | | *60 - 148* |

**Lab Sample ID: 480-198238-2 MS** — **Client Sample ID: BCC Area C MW-C04_0522**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627554** — **Prep Batch: 627445**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | F2 | 32.0 | 32.4 | | ug/L | | 101 | 65 - 126 |
| 2,4,6-Trichlorophenol | ND | F2 F1 | 32.0 | 30.7 | | ug/L | | 96 | 64 - 120 |
| 2,4-Dichlorophenol | ND | F2 | 32.0 | 28.3 | | ug/L | | 89 | 48 - 132 |
| 2,4-Dimethylphenol | ND | | 32.0 | 28.2 | | ug/L | | 88 | 39 - 130 |
| 2,4-Dinitrophenol | ND | F2 | 64.0 | 70.1 | | ug/L | | 109 | 21 - 150 |
| 2,4-Dinitrotoluene | ND | F2 | 32.0 | 33.1 | | ug/L | | 104 | 54 - 138 |
| 2,6-Dinitrotoluene | ND | F2 | 32.0 | 31.8 | | ug/L | | 99 | 17 - 150 |
| 2-Chloronaphthalene | ND | F2 | 32.0 | 26.6 | | ug/L | | 83 | 52 - 124 |
| 2-Chlorophenol | 0.61 | J F2 | 32.0 | 25.3 | | ug/L | | 77 | 48 - 120 |
| 2-Methylnaphthalene | ND | F2 | 32.0 | 22.5 | | ug/L | | 70 | 34 - 140 |
| 2-Methylphenol | ND | F2 | 32.0 | 25.1 | | ug/L | | 79 | 46 - 120 |
| 2-Nitroaniline | ND | F2 | 32.0 | 29.5 | | ug/L | | 92 | 44 - 136 |
| 2-Nitrophenol | ND | F2 | 32.0 | 26.3 | | ug/L | | 82 | 38 - 141 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 64.0 | 0.925 | J F1 | ug/L | | 1 | 10 - 150 |
| 3-Nitroaniline | ND | F2 | 32.0 | 19.5 | | ug/L | | 61 | 32 - 150 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 64.0 | 71.6 | | ug/L | | 112 | 38 - 150 |
| 4-Bromophenyl phenyl ether | ND | F2 | 32.0 | 32.1 | | ug/L | | 100 | 63 - 126 |
| 4-Chloro-3-methylphenol | ND | F2 | 32.0 | 30.4 | | ug/L | | 95 | 64 - 127 |
| 4-Chloroaniline | ND | F2 | 32.0 | 14.8 | | ug/L | | 46 | 16 - 124 |
| 4-Chlorophenyl phenyl ether | ND | F2 | 32.0 | 30.6 | | ug/L | | 96 | 61 - 120 |
| 4-Methylphenol | ND | F2 | 32.0 | 25.4 | | ug/L | | 79 | 36 - 120 |
| 4-Nitroaniline | ND | F2 | 32.0 | 28.8 | | ug/L | | 90 | 32 - 150 |

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

**Lab Sample ID: 480-198238-2 MS**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | ND | | 64.0 | 50.9 | | ug/L | | 79 | 23 - 132 |
| Acenaphthene | ND | F2 | 32.0 | 29.7 | | ug/L | | 93 | 48 - 120 |
| Acenaphthylene | ND | F2 F1 | 32.0 | 28.0 | | ug/L | | 88 | 63 - 120 |
| Acetophenone | ND | F2 | 32.0 | 25.1 | | ug/L | | 78 | 53 - 120 |
| Aniline | 1.1 | J | 32.0 | 18.0 | | ug/L | | 53 | 32 - 120 |
| Anthracene | ND | F2 | 32.0 | 31.7 | | ug/L | | 99 | 65 - 122 |
| Atrazine | ND | F2 | 64.0 | 56.3 | | ug/L | | 88 | 50 - 150 |
| Benzaldehyde | ND | F2 | 64.0 | 46.1 | | ug/L | | 72 | 10 - 150 |
| Benzo(a)anthracene | ND | F2 | 32.0 | 30.6 | | ug/L | | 96 | 43 - 124 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 26.9 | | ug/L | | 84 | 23 - 125 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 29.9 | | ug/L | | 94 | 27 - 127 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 28.8 | | ug/L | | 90 | 16 - 147 |
| Benzo(k)fluoranthene | ND | F2 | 32.0 | 29.5 | | ug/L | | 92 | 20 - 124 |
| Biphenyl | ND | F2 F1 | 32.0 | 27.0 | | ug/L | | 84 | 57 - 120 |
| bis (2-chloroisopropyl) ether | ND | F2 | 32.0 | 22.9 | | ug/L | | 71 | 28 - 121 |
| Bis(2-chloroethoxy)methane | ND | F2 | 32.0 | 26.6 | | ug/L | | 83 | 44 - 128 |
| Bis(2-chloroethyl)ether | ND | F2 | 32.0 | 27.3 | | ug/L | | 85 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 30.8 | | ug/L | | 96 | 16 - 150 |
| Butyl benzyl phthalate | ND | F2 | 32.0 | 33.3 | | ug/L | | 104 | 51 - 140 |
| Caprolactam | ND | F2 | 64.0 | 27.0 | | ug/L | | 42 | 10 - 120 |
| Carbazole | ND | F2 | 32.0 | 33.3 | | ug/L | | 104 | 16 - 148 |
| Chrysene | ND | F2 | 32.0 | 29.9 | | ug/L | | 94 | 44 - 122 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 28.6 | | ug/L | | 89 | 16 - 139 |
| Dibenzofuran | ND | F2 | 32.0 | 29.6 | | ug/L | | 93 | 60 - 120 |
| Diethyl phthalate | ND | F2 | 32.0 | 32.9 | | ug/L | | 103 | 53 - 133 |
| Dimethyl phthalate | ND | F2 | 32.0 | 32.6 | | ug/L | | 102 | 59 - 123 |
| Di-n-butyl phthalate | 5.4 | F2 F1 B | 32.0 | 34.5 | | ug/L | | 91 | 65 - 129 |
| Di-n-octyl phthalate | ND | F2 | 32.0 | 31.5 | | ug/L | | 98 | 16 - 150 |
| Fluoranthene | ND | F2 | 32.0 | 33.3 | | ug/L | | 104 | 63 - 129 |
| Fluorene | ND | F2 | 32.0 | 30.9 | | ug/L | | 97 | 62 - 120 |
| Hexachlorobenzene | ND | F2 | 32.0 | 31.9 | | ug/L | | 100 | 57 - 121 |
| Hexachlorobutadiene | ND | | 32.0 | 18.5 | | ug/L | | 58 | 37 - 120 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 21.2 | | ug/L | | 66 | 21 - 120 |
| Hexachloroethane | ND | | 32.0 | 17.8 | | ug/L | | 56 | 16 - 130 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 28.6 | | ug/L | | 89 | 16 - 140 |
| Isophorone | ND | F2 | 32.0 | 28.6 | | ug/L | | 89 | 48 - 133 |
| Naphthalene | ND | F2 | 32.0 | 23.5 | | ug/L | | 73 | 45 - 120 |
| Nitrobenzene | ND | F2 | 32.0 | 25.1 | | ug/L | | 78 | 45 - 123 |
| N-Nitrosodi-n-propylamine | ND | F2 | 32.0 | 26.0 | | ug/L | | 81 | 49 - 120 |
| N-Nitrosodiphenylamine | 0.63 | J F2 | 32.0 | 31.8 | | ug/L | | 97 | 39 - 138 |
| Pentachlorophenol | ND | | 64.0 | 79.1 | | ug/L | | 124 | 23 - 149 |
| Phenanthrene | ND | F2 | 32.0 | 32.3 | | ug/L | | 101 | 65 - 122 |
| Phenol | ND | F2 | 32.0 | 17.5 | | ug/L | | 55 | 16 - 120 |
| Pyrene | ND | F2 | 32.0 | 31.9 | | ug/L | | 100 | 58 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *104* | | *41 - 120* |
| *2-Fluorobiphenyl* | *84* | | *48 - 120* |

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

**Lab Sample ID: 480-198238-2 MS**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorophenol* | *62* | | *35 - 120* |
| *Nitrobenzene-d5* | *76* | | *46 - 120* |
| *Phenol-d5* | *52* | | *22 - 120* |
| *p-Terphenyl-d14* | *81* | | *60 - 148* |

**Lab Sample ID: 480-198238-2 MSD**
**Matrix: Water**
**Analysis Batch: 627554**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**
**Prep Batch: 627445**

| 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 | 21.3 | F2 | ug/L | | 67 | 65 - 126 | 41 | 18 |
| 2,4,6-Trichlorophenol | ND | F2 F1 | 32.0 | 20.2 | F2 F1 | ug/L | | 63 | 64 - 120 | 41 | 19 |
| 2,4-Dichlorophenol | ND | F2 | 32.0 | 18.7 | F2 | ug/L | | 58 | 48 - 132 | 41 | 19 |
| 2,4-Dimethylphenol | ND | | 32.0 | 18.4 | | ug/L | | 57 | 39 - 130 | 42 | 42 |
| 2,4-Dinitrophenol | ND | F2 | 64.0 | 48.5 | F2 | ug/L | | 76 | 21 - 150 | 36 | 22 |
| 2,4-Dinitrotoluene | ND | F2 | 32.0 | 23.0 | F2 | ug/L | | 72 | 54 - 138 | 36 | 20 |
| 2,6-Dinitrotoluene | ND | F2 | 32.0 | 21.4 | F2 | ug/L | | 67 | 17 - 150 | 39 | 15 |
| 2-Chloronaphthalene | ND | F2 | 32.0 | 17.4 | F2 | ug/L | | 54 | 52 - 124 | 42 | 21 |
| 2-Chlorophenol | 0.61 | J F2 | 32.0 | 17.0 | F2 | ug/L | | 51 | 48 - 120 | 39 | 25 |
| 2-Methylnaphthalene | ND | F2 | 32.0 | 14.9 | F2 | ug/L | | 46 | 34 - 140 | 41 | 21 |
| 2-Methylphenol | ND | F2 | 32.0 | 15.6 | F2 | ug/L | | 49 | 46 - 120 | 47 | 27 |
| 2-Nitroaniline | ND | F2 | 32.0 | 19.8 | F2 | ug/L | | 62 | 44 - 136 | 39 | 15 |
| 2-Nitrophenol | ND | F2 | 32.0 | 17.5 | F2 | ug/L | | 55 | 38 - 141 | 40 | 18 |
| 3,3'-Dichlorobenzidine | ND | F2 F1 | 64.0 | 0.713 | J F2 F1 | ug/L | | 1 | 10 - 150 | 26 | 25 |
| 3-Nitroaniline | ND | F2 | 32.0 | 13.6 | F2 | ug/L | | 43 | 32 - 150 | 35 | 19 |
| 4,6-Dinitro-2-methylphenol | ND | F2 | 64.0 | 51.2 | F2 | ug/L | | 80 | 38 - 150 | 33 | 15 |
| 4-Bromophenyl phenyl ether | ND | F2 | 32.0 | 21.6 | F2 | ug/L | | 68 | 63 - 126 | 39 | 15 |
| 4-Chloro-3-methylphenol | ND | F2 | 32.0 | 20.5 | F2 | ug/L | | 64 | 64 - 127 | 39 | 27 |
| 4-Chloroaniline | ND | F2 | 32.0 | 10.1 | F2 | ug/L | | 31 | 16 - 124 | 38 | 22 |
| 4-Chlorophenyl phenyl ether | ND | F2 | 32.0 | 20.3 | F2 | ug/L | | 63 | 61 - 120 | 41 | 16 |
| 4-Methylphenol | ND | F2 | 32.0 | 16.3 | F2 | ug/L | | 51 | 36 - 120 | 44 | 24 |
| 4-Nitroaniline | ND | F2 | 32.0 | 19.6 | F2 | ug/L | | 61 | 32 - 150 | 38 | 24 |
| 4-Nitrophenol | ND | | 64.0 | 32.9 | | ug/L | | 51 | 23 - 132 | 43 | 48 |
| Acenaphthene | ND | F2 | 32.0 | 19.7 | F2 | ug/L | | 61 | 48 - 120 | 41 | 24 |
| Acenaphthylene | ND | F2 F1 | 32.0 | 18.6 | F2 F1 | ug/L | | 58 | 63 - 120 | 40 | 18 |
| Acetophenone | ND | F2 | 32.0 | 17.3 | F2 | ug/L | | 54 | 53 - 120 | 36 | 20 |
| Aniline | 1.1 | J | 32.0 | 13.6 | | ug/L | | 39 | 32 - 120 | 28 | 30 |
| Anthracene | ND | F2 | 32.0 | 22.9 | F2 | ug/L | | 72 | 65 - 122 | 32 | 15 |
| Atrazine | ND | F2 | 64.0 | 41.9 | F2 | ug/L | | 65 | 50 - 150 | 29 | 20 |
| Benzaldehyde | ND | F2 | 64.0 | 32.7 | F2 | ug/L | | 51 | 10 - 150 | 34 | 20 |
| Benzo(a)anthracene | ND | F2 | 32.0 | 21.3 | F2 | ug/L | | 66 | 43 - 124 | 36 | 15 |
| Benzo(a)pyrene | ND | F2 | 32.0 | 18.2 | F2 | ug/L | | 57 | 23 - 125 | 39 | 15 |
| Benzo(b)fluoranthene | ND | F2 | 32.0 | 20.1 | F2 | ug/L | | 63 | 27 - 127 | 39 | 15 |
| Benzo(g,h,i)perylene | ND | F2 | 32.0 | 20.9 | F2 | ug/L | | 65 | 16 - 147 | 32 | 15 |
| Benzo(k)fluoranthene | ND | F2 | 32.0 | 20.4 | F2 | ug/L | | 64 | 20 - 124 | 36 | 22 |
| Biphenyl | ND | F2 F1 | 32.0 | 17.5 | F2 F1 | ug/L | | 55 | 57 - 120 | 42 | 20 |
| bis (2-chloroisopropyl) ether | ND | F2 | 32.0 | 15.5 | F2 | ug/L | | 48 | 28 - 121 | 39 | 24 |
| Bis(2-chloroethoxy)methane | ND | F2 | 32.0 | 17.1 | F2 | ug/L | | 54 | 44 - 128 | 43 | 17 |

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

**Lab Sample ID: 480-198238-2 MSD** — **Client Sample ID: BCC Area C MW-C04_0522**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627554** — **Prep Batch: 627445**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bis(2-chloroethyl)ether | ND | F2 | 32.0 | 18.1 | F2 | ug/L | | 56 | 45 - 120 | 41 | 21 |
| Bis(2-ethylhexyl) phthalate | ND | F2 | 32.0 | 20.0 | F2 | ug/L | | 62 | 16 - 150 | 43 | 15 |
| Butyl benzyl phthalate | ND | F2 | 32.0 | 22.7 | F2 | ug/L | | 71 | 51 - 140 | 38 | 16 |
| Caprolactam | ND | F2 | 64.0 | 19.5 | F2 | ug/L | | 31 | 10 - 120 | 32 | 20 |
| Carbazole | ND | F2 | 32.0 | 23.4 | F2 | ug/L | | 73 | 16 - 148 | 35 | 20 |
| Chrysene | ND | F2 | 32.0 | 20.9 | F2 | ug/L | | 65 | 44 - 122 | 35 | 15 |
| Dibenz(a,h)anthracene | ND | F2 | 32.0 | 20.1 | F2 | ug/L | | 63 | 16 - 139 | 35 | 15 |
| Dibenzofuran | ND | F2 | 32.0 | 19.6 | F2 | ug/L | | 61 | 60 - 120 | 41 | 15 |
| Diethyl phthalate | ND | F2 | 32.0 | 22.3 | F2 | ug/L | | 70 | 53 - 133 | 38 | 15 |
| Dimethyl phthalate | ND | F2 | 32.0 | 22.0 | F2 | ug/L | | 69 | 59 - 123 | 39 | 15 |
| Di-n-butyl phthalate | 5.4 | F2 F1 B | 32.0 | 25.3 | F2 F1 | ug/L | | 62 | 65 - 129 | 31 | 15 |
| Di-n-octyl phthalate | ND | F2 | 32.0 | 20.6 | F2 | ug/L | | 64 | 16 - 150 | 42 | 16 |
| Fluoranthene | ND | F2 | 32.0 | 23.6 | F2 | ug/L | | 74 | 63 - 129 | 34 | 15 |
| Fluorene | ND | F2 | 32.0 | 21.3 | F2 | ug/L | | 67 | 62 - 120 | 37 | 15 |
| Hexachlorobenzene | ND | F2 | 32.0 | 21.7 | F2 | ug/L | | 68 | 57 - 121 | 38 | 15 |
| Hexachlorobutadiene | ND | | 32.0 | 11.9 | | ug/L | | 37 | 37 - 120 | 44 | 44 |
| Hexachlorocyclopentadiene | ND | | 32.0 | 13.0 | | ug/L | | 41 | 21 - 120 | 48 | 49 |
| Hexachloroethane | ND | | 32.0 | 12.5 | | ug/L | | 39 | 16 - 130 | 35 | 46 |
| Indeno(1,2,3-cd)pyrene | ND | F2 | 32.0 | 20.0 | F2 | ug/L | | 62 | 16 - 140 | 35 | 15 |
| Isophorone | ND | F2 | 32.0 | 18.5 | F2 | ug/L | | 58 | 48 - 133 | 43 | 17 |
| Naphthalene | ND | F2 | 32.0 | 16.3 | F2 | ug/L | | 51 | 45 - 120 | 36 | 29 |
| Nitrobenzene | ND | F2 | 32.0 | 17.2 | F2 | ug/L | | 54 | 45 - 123 | 37 | 24 |
| N-Nitrosodi-n-propylamine | ND | F2 | 32.0 | 17.3 | F2 | ug/L | | 54 | 49 - 120 | 40 | 31 |
| N-Nitrosodiphenylamine | 0.63 | J F2 | 32.0 | 22.3 | F2 | ug/L | | 68 | 39 - 138 | 35 | 15 |
| Pentachlorophenol | ND | | 64.0 | 54.2 | | ug/L | | 85 | 23 - 149 | 37 | 37 |
| Phenanthrene | ND | F2 | 32.0 | 22.5 | F2 | ug/L | | 70 | 65 - 122 | 36 | 15 |
| Phenol | ND | F2 | 32.0 | 11.2 | F2 | ug/L | | 35 | 16 - 120 | 44 | 34 |
| Pyrene | ND | F2 | 32.0 | 23.0 | F2 | ug/L | | 72 | 58 - 128 | 32 | 19 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol* | *71* | | *41 - 120* |
| *2-Fluorobiphenyl* | *53* | | *48 - 120* |
| *2-Fluorophenol* | *41* | | *35 - 120* |
| *Nitrobenzene-d5* | *51* | | *46 - 120* |
| *Phenol-d5* | *33* | | *22 - 120* |
| *p-Terphenyl-d14* | *55* | *S1-* | *60 - 148* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-627626/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 0.20 | 0.060 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Antimony | ND | | 0.020 | 0.0068 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Arsenic | ND | | 0.015 | 0.0056 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Barium | ND | | 0.0020 | 0.00070 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Beryllium | ND | | 0.0020 | 0.00030 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |

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

**Lab Sample ID: MB 480-627626/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | ND | | 0.0020 | 0.00050 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Calcium | ND | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Chromium | ND | | 0.0040 | 0.0010 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Cobalt | ND | | 0.0040 | 0.00063 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Copper | ND | | 0.010 | 0.0016 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Lead | ND | | 0.010 | 0.0030 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Manganese | ND | | 0.0030 | 0.00040 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Selenium | ND | | 0.025 | 0.0087 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Silver | ND | | 0.0060 | 0.0017 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Vanadium | ND | | 0.0050 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |
| Zinc | 0.00392 | J | 0.010 | 0.0015 | mg/L | | 05/26/22 09:56 | 05/27/22 21:42 | 1 |

**Lab Sample ID: MB 480-627626/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628231** — **Prep Batch: 627626**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | ND | | 0.50 | 0.10 | mg/L | | 05/26/22 09:56 | 05/31/22 13:46 | 1 |

**Lab Sample ID: LCS 480-627626/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 10.45 | | mg/L | | 104 | 80 - 120 |
| Antimony | 0.200 | 0.217 | | mg/L | | 109 | 80 - 120 |
| Arsenic | 0.200 | 0.206 | | mg/L | | 103 | 80 - 120 |
| Barium | 0.200 | 0.209 | | mg/L | | 105 | 80 - 120 |
| Beryllium | 0.200 | 0.209 | | mg/L | | 104 | 80 - 120 |
| Cadmium | 0.200 | 0.202 | | mg/L | | 101 | 80 - 120 |
| Calcium | 10.0 | 10.49 | | mg/L | | 105 | 80 - 120 |
| Chromium | 0.200 | 0.213 | | mg/L | | 107 | 80 - 120 |
| Cobalt | 0.200 | 0.201 | | mg/L | | 100 | 80 - 120 |
| Copper | 0.200 | 0.210 | | mg/L | | 105 | 80 - 120 |
| Iron | 10.0 | 10.23 | | mg/L | | 102 | 80 - 120 |
| Lead | 0.200 | 0.201 | | mg/L | | 101 | 80 - 120 |
| Magnesium | 10.0 | 10.91 | | mg/L | | 109 | 80 - 120 |
| Manganese | 0.200 | 0.216 | | mg/L | | 108 | 80 - 120 |
| Nickel | 0.200 | 0.198 | | mg/L | | 99 | 80 - 120 |
| Selenium | 0.200 | 0.198 | | mg/L | | 99 | 80 - 120 |
| Silver | 0.0500 | 0.0498 | | mg/L | | 100 | 80 - 120 |
| Sodium | 10.0 | 10.63 | | mg/L | | 106 | 80 - 120 |
| Thallium | 0.200 | 0.209 | | mg/L | | 104 | 80 - 120 |
| Vanadium | 0.200 | 0.206 | | mg/L | | 103 | 80 - 120 |

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

**Lab Sample ID: LCS 480-627626/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Zinc | 0.200 | 0.211 | | mg/L | | 106 | 80 - 120 |

**Lab Sample ID: LCS 480-627626/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628231** — **Prep Batch: 627626**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Potassium | 10.0 | 10.35 | | mg/L | | 103 | 80 - 120 |

**Lab Sample ID: LCSD 480-627626/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 10.0 | 10.26 | | mg/L | | 103 | 80 - 120 | 2 | 20 |
| Antimony | 0.200 | 0.215 | | mg/L | | 108 | 80 - 120 | 1 | 20 |
| Arsenic | 0.200 | 0.203 | | mg/L | | 102 | 80 - 120 | 2 | 20 |
| Barium | 0.200 | 0.206 | | mg/L | | 103 | 80 - 120 | 2 | 20 |
| Beryllium | 0.200 | 0.204 | | mg/L | | 102 | 80 - 120 | 2 | 20 |
| Cadmium | 0.200 | 0.197 | | mg/L | | 99 | 80 - 120 | 2 | 20 |
| Calcium | 10.0 | 10.29 | | mg/L | | 103 | 80 - 120 | 2 | 20 |
| Chromium | 0.200 | 0.210 | | mg/L | | 105 | 80 - 120 | 2 | 20 |
| Cobalt | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 | 3 | 20 |
| Copper | 0.200 | 0.208 | | mg/L | | 104 | 80 - 120 | 1 | 20 |
| Iron | 10.0 | 10.02 | | mg/L | | 100 | 80 - 120 | 2 | 20 |
| Lead | 0.200 | 0.196 | | mg/L | | 98 | 80 - 120 | 3 | 20 |
| Magnesium | 10.0 | 10.76 | | mg/L | | 108 | 80 - 120 | 1 | 20 |
| Manganese | 0.200 | 0.212 | | mg/L | | 106 | 80 - 120 | 2 | 20 |
| Nickel | 0.200 | 0.194 | | mg/L | | 97 | 80 - 120 | 2 | 20 |
| Selenium | 0.200 | 0.193 | | mg/L | | 96 | 80 - 120 | 2 | 20 |
| Silver | 0.0500 | 0.0494 | | mg/L | | 99 | 80 - 120 | 1 | 20 |
| Sodium | 10.0 | 10.43 | | mg/L | | 104 | 80 - 120 | 2 | 20 |
| Thallium | 0.200 | 0.204 | | mg/L | | 102 | 80 - 120 | 2 | 20 |
| Vanadium | 0.200 | 0.203 | | mg/L | | 101 | 80 - 120 | 2 | 20 |
| Zinc | 0.200 | 0.206 | | mg/L | | 103 | 80 - 120 | 2 | 20 |

**Lab Sample ID: LCSD 480-627626/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628231** — **Prep Batch: 627626**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | 10.0 | 10.28 | | mg/L | | 103 | 80 - 120 | 1 | 20 |

**Lab Sample ID: 480-198238-2 MS** — **Client Sample ID: BCC Area C MW-C04_0522**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 628131** — **Prep Batch: 627626**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 10.0 | 10.31 | | mg/L | | 103 | 75 - 125 |
| Antimony | ND | | 0.200 | 0.218 | | mg/L | | 109 | 75 - 125 |

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

**Lab Sample ID: 480-198238-2 MS**
**Matrix: Water**
**Analysis Batch: 628131**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**
**Prep Batch: 627626**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | | 0.200 | 0.214 | | mg/L | | 107 | 75 - 125 |
| Barium | 0.60 | | 0.200 | 0.769 | | mg/L | | 85 | 75 - 125 |
| Beryllium | ND | | 0.200 | 0.207 | | mg/L | | 104 | 75 - 125 |
| Cadmium | ND | | 0.200 | 0.204 | | mg/L | | 102 | 75 - 125 |
| Calcium | 225 | | 10.0 | 233.3 | 4 | mg/L | | 85 | 75 - 125 |
| Chromium | ND | | 0.200 | 0.205 | | mg/L | | 103 | 75 - 125 |
| Cobalt | ND | | 0.200 | 0.205 | | mg/L | | 102 | 75 - 125 |
| Copper | ND | | 0.200 | 0.208 | | mg/L | | 104 | 75 - 125 |
| Iron | 3.3 | | 10.0 | 13.12 | | mg/L | | 98 | 75 - 125 |
| Lead | 0.0038 | J | 0.200 | 0.209 | | mg/L | | 103 | 75 - 125 |
| Magnesium | 33.7 | | 10.0 | 44.00 | | mg/L | | 103 | 75 - 125 |
| Manganese | 0.73 | | 0.200 | 0.933 | | mg/L | | 100 | 75 - 125 |
| Nickel | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 |
| Potassium | 11.4 | ^+ B | 10.0 | 21.76 | ^+ | mg/L | | 104 | 75 - 125 |
| Selenium | ND | | 0.200 | 0.193 | | mg/L | | 96 | 75 - 125 |
| Silver | ND | | 0.0500 | 0.0497 | | mg/L | | 99 | 75 - 125 |
| Sodium | 101 | | 10.0 | 109.1 | 4 | mg/L | | 79 | 75 - 125 |
| Thallium | ND | | 0.200 | 0.205 | | mg/L | | 103 | 75 - 125 |
| Vanadium | ND | | 0.200 | 0.205 | | mg/L | | 102 | 75 - 125 |
| Zinc | 0.0054 | J B | 0.200 | 0.206 | | mg/L | | 100 | 75 - 125 |

**Lab Sample ID: 480-198238-2 MSD**
**Matrix: Water**
**Analysis Batch: 628131**

**Client Sample ID: BCC Area C MW-C04_0522**
**Prep Type: Total/NA**
**Prep Batch: 627626**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 10.0 | 10.39 | | mg/L | | 104 | 75 - 125 | 1 | 20 |
| Antimony | ND | | 0.200 | 0.219 | | mg/L | | 109 | 75 - 125 | 0 | 20 |
| Arsenic | ND | | 0.200 | 0.213 | | mg/L | | 107 | 75 - 125 | 0 | 20 |
| Barium | 0.60 | | 0.200 | 0.775 | | mg/L | | 88 | 75 - 125 | 1 | 20 |
| Beryllium | ND | | 0.200 | 0.209 | | mg/L | | 105 | 75 - 125 | 1 | 20 |
| Cadmium | ND | | 0.200 | 0.206 | | mg/L | | 103 | 75 - 125 | 1 | 20 |
| Calcium | 225 | | 10.0 | 230.6 | 4 | mg/L | | 59 | 75 - 125 | 1 | 20 |
| Chromium | ND | | 0.200 | 0.208 | | mg/L | | 104 | 75 - 125 | 1 | 20 |
| Cobalt | ND | | 0.200 | 0.205 | | mg/L | | 102 | 75 - 125 | 0 | 20 |
| Copper | ND | | 0.200 | 0.211 | | mg/L | | 106 | 75 - 125 | 2 | 20 |
| Iron | 3.3 | | 10.0 | 13.23 | | mg/L | | 99 | 75 - 125 | 1 | 20 |
| Lead | 0.0038 | J | 0.200 | 0.208 | | mg/L | | 102 | 75 - 125 | 1 | 20 |
| Magnesium | 33.7 | | 10.0 | 44.13 | | mg/L | | 104 | 75 - 125 | 0 | 20 |
| Manganese | 0.73 | | 0.200 | 0.938 | | mg/L | | 102 | 75 - 125 | 1 | 20 |
| Nickel | ND | | 0.200 | 0.202 | | mg/L | | 101 | 75 - 125 | 0 | 20 |
| Potassium | 11.4 | ^+ B | 10.0 | 21.85 | ^+ | mg/L | | 105 | 75 - 125 | 0 | 20 |
| Selenium | ND | | 0.200 | 0.199 | | mg/L | | 100 | 75 - 125 | 3 | 20 |
| Silver | ND | | 0.0500 | 0.0508 | | mg/L | | 102 | 75 - 125 | 2 | 20 |
| Sodium | 101 | | 10.0 | 109.8 | 4 | mg/L | | 86 | 75 - 125 | 1 | 20 |
| Thallium | ND | | 0.200 | 0.207 | | mg/L | | 103 | 75 - 125 | 1 | 20 |
| Vanadium | ND | | 0.200 | 0.206 | | mg/L | | 103 | 75 - 125 | 0 | 20 |
| Zinc | 0.0054 | J B | 0.200 | 0.209 | | mg/L | | 102 | 75 - 125 | 1 | 20 |

# QC Sample Results

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

Job ID: 480-198238-1

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-627534/1-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627679** — **Prep Batch: 627534**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00020 | 0.000043 | mg/L | | 05/25/22 10:57 | 05/25/22 14:46 | 1 |

**Lab Sample ID: LCS 480-627534/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627679** — **Prep Batch: 627534**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00667 | 0.00740 | | mg/L | | 111 | 80 - 120 |

**Lab Sample ID: 480-198238-2 MS** — **Client Sample ID: BCC Area C MW-C04_0522**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627679** — **Prep Batch: 627534**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00750 | | mg/L | | 112 | 80 - 120 |

**Lab Sample ID: 480-198238-2 MSD** — **Client Sample ID: BCC Area C MW-C04_0522**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 627679** — **Prep Batch: 627534**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.00667 | 0.00748 | | mg/L | | 112 | 80 - 120 | 0 | 20 |

# QC Association Summary

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

Job ID: 480-198238-1

## GC/MS VOA

### Analysis Batch: 628097

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 8260C | |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 8260C | |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 8260C | |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 8260C | |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 8260C | |
| 480-198238-6 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 480-628097/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-628097/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 480-628097/27 | Lab Control Sample Dup | Total/NA | Water | 8260C | |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 8260C | |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 627445

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 3510C | |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 3510C | |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 3510C | |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 3510C | |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 3510C | |
| MB 480-627445/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 480-627445/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 3510C | |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 3510C | |

### Analysis Batch: 627554

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 8270D | 627445 |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 8270D | 627445 |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 8270D | 627445 |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 8270D | 627445 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 8270D | 627445 |
| MB 480-627445/1-A | Method Blank | Total/NA | Water | 8270D | 627445 |
| LCS 480-627445/2-A | Lab Control Sample | Total/NA | Water | 8270D | 627445 |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 8270D | 627445 |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 8270D | 627445 |

## Metals

### Prep Batch: 627534

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 7470A | |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 7470A | |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 7470A | |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 7470A | |
| MB 480-627534/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 480-627534/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | |

# QC Association Summary

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

Job ID: 480-198238-1

## Metals

### Prep Batch: 627626

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 3005A | |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 3005A | |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 3005A | |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 3005A | |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 3005A | |
| MB 480-627626/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 480-627626/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 480-627626/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 3005A | |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 3005A | |

### Analysis Batch: 627679

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 7470A | 627534 |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | 627534 |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 7470A | 627534 |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 7470A | 627534 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 7470A | 627534 |
| MB 480-627534/1-A | Method Blank | Total/NA | Water | 7470A | 627534 |
| LCS 480-627534/2-A | Lab Control Sample | Total/NA | Water | 7470A | 627534 |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | 627534 |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 7470A | 627534 |

### Analysis Batch: 628131

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-2 | BCC Area C MW-C04_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-3 | BCC Area C RFI-20_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Total/NA | Water | 6010C | 627626 |
| MB 480-627626/1-A | Method Blank | Total/NA | Water | 6010C | 627626 |
| LCS 480-627626/2-A | Lab Control Sample | Total/NA | Water | 6010C | 627626 |
| LCSD 480-627626/3-A | Lab Control Sample Dup | Total/NA | Water | 6010C | 627626 |
| 480-198238-2 MS | BCC Area C MW-C04_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-2 MSD | BCC Area C MW-C04_0522 | Total/NA | Water | 6010C | 627626 |

### Analysis Batch: 628231

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 480-198238-1 | BCC Area C RFI-31_0522 | Total/NA | Water | 6010C | 627626 |
| 480-198238-4 | BCC Area C PS-05A_0522 | Total/NA | Water | 6010C | 627626 |
| MB 480-627626/1-A | Method Blank | Total/NA | Water | 6010C | 627626 |
| LCS 480-627626/2-A | Lab Control Sample | Total/NA | Water | 6010C | 627626 |
| LCSD 480-627626/3-A | Lab Control Sample Dup | Total/NA | Water | 6010C | 627626 |

# Lab Chronicle

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C RFI-31_0522

**Lab Sample ID: 480-198238-1**

**Date Collected: 05/23/22 09:45**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 4 | 628097 | 05/31/22 16:00 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 627445 | 05/24/22 15:35 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 627554 | 05/25/22 17:25 | JMM | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628131 | 05/27/22 22:44 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 5 | 628231 | 05/31/22 14:09 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 627534 | 05/25/22 10:57 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 627679 | 05/25/22 14:51 | NVK | TAL BUF |

## Client Sample ID: BCC Area C MW-C04_0522

**Lab Sample ID: 480-198238-2**

**Date Collected: 05/23/22 11:45**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 628097 | 05/31/22 16:23 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 627445 | 05/24/22 15:35 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 627554 | 05/25/22 16:03 | JMM | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628131 | 05/27/22 22:48 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 627534 | 05/25/22 10:57 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 627679 | 05/25/22 14:52 | NVK | TAL BUF |

## Client Sample ID: BCC Area C RFI-20_0522

**Lab Sample ID: 480-198238-3**

**Date Collected: 05/23/22 13:45**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 628097 | 05/31/22 16:45 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 627445 | 05/24/22 15:35 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 627554 | 05/25/22 17:53 | JMM | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628131 | 05/27/22 23:19 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 627534 | 05/25/22 10:57 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 627679 | 05/25/22 14:57 | NVK | TAL BUF |

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 628097 | 05/31/22 17:07 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 627445 | 05/24/22 15:35 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 627554 | 05/25/22 18:21 | JMM | TAL BUF |

# Lab Chronicle

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

Job ID: 480-198238-1

## Client Sample ID: BCC Area C PS-05A_0522

**Lab Sample ID: 480-198238-4**

**Date Collected: 05/23/22 14:50**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628131 | 05/27/22 23:23 | LMH | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628231 | 05/31/22 14:13 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 627534 | 05/25/22 10:57 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 627679 | 05/25/22 15:01 | NVK | TAL BUF |

## Client Sample ID: BCC Area C MW-C04 D_0522

**Lab Sample ID: 480-198238-5**

**Date Collected: 05/23/22 11:55**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 628097 | 05/31/22 17:29 | CRL | TAL BUF |
| Total/NA | Prep | 3510C | | | 627445 | 05/24/22 15:35 | CMC | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 627554 | 05/25/22 18:48 | JMM | TAL BUF |
| Total/NA | Prep | 3005A | | | 627626 | 05/26/22 09:56 | NBS | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 628131 | 05/27/22 23:27 | LMH | TAL BUF |
| Total/NA | Prep | 7470A | | | 627534 | 05/25/22 10:57 | NVK | TAL BUF |
| Total/NA | Analysis | 7470A | | 1 | 627679 | 05/25/22 15:03 | NVK | TAL BUF |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 480-198238-6**

**Date Collected: 05/23/22 00:00**
**Matrix: Water**
**Date Received: 05/23/22 15:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 628097 | 05/31/22 17:51 | CRL | 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.
Project/Site: Buffalo Color Area A Wells

Job ID: 480-198238-1

## Laboratory: Eurofins Buffalo

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

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

# Method Summary

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

Job ID: 480-198238-1

| 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.
Project/Site: Buffalo Color Area A Wells

Job ID: 480-198238-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-198238-1 | BCC Area C  RFI-31_0522 | Water | 05/23/22 09:45 | 05/23/22 15:30 |
| 480-198238-2 | BCC Area C  MW-C04_0522 | Water | 05/23/22 11:45 | 05/23/22 15:30 |
| 480-198238-3 | BCC Area C RFI-20_0522 | Water | 05/23/22 13:45 | 05/23/22 15:30 |
| 480-198238-4 | BCC Area C PS-05A_0522 | Water | 05/23/22 14:50 | 05/23/22 15:30 |
| 480-198238-5 | BCC Area C MW-C04 D_0522 | Water | 05/23/22 11:55 | 05/23/22 15:30 |
| 480-198238-6 | TRIP BLANK | Water | 05/23/22 00:00 | 05/23/22 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: 480-158662-6265.1 |
|---|---|---|---|---|
| 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. Ste 200 | Due Date Requested: 2WKS | | | |
| City: Buffalo | TAT Requested (days): | | | |
| State, Zip: NY, ~~14203~~ 14210 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 716-856-3333 | PO #: 65212 | | | |
| 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 C RFI-31_0522 | 5/23-22 | 0945 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C MW-C04_0522 | | 1145 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C RFI-20_0522 | | 1345 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C PS-05A_0522 | | 1450 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C_MW-C04 D_0522 | | 1155 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C MW-C04 MS_0522 | | 1205 | | Water | | | 1 | 3 | 2 | | |
| BCC Area C MW-C04 MSD_0522 | | 1215 | | Water | | | 1 | 3 | 2 | | |
| TRIP BLANK | | | | Water | | | | 2 | [redacted] | | |

480-198238 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 | 5/23-22 1530 | OSC | [illegible] | 5/23/22 1530 | TA |
| | | | | | |
| | | | | | |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No: | Cooler Temperature(s) °C and Other Remarks: 4.8 #1 ICE |
|---|---|---|

Ver: 06/08/2021

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-198238-1

**Login Number: 198238**

**List Number: 1**

**Creator: Yeager, Brian A**

**List Source: Eurofins Buffalo**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time (Excluding tests with immediate HTs).. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | True | OSC |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | True | |
| Chlorine Residual checked. | N/A | |

# 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 | | |
| 19.8 | 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 | [redacted] | | | |
| 15'8 | C | MW-C04 | 5.28 | | |
| | C | [redacted] | | | |
| 8.6 | C | PS-05A | 5.09 | | |
| | C | [redacted] | | | |
| 12.3 | C | RFI-20 | 5.96 | | |
| 15'2 | C | RFI-31 | 6.61 | | |
| | E | [redacted] | | | |
| | 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 | 5.08 | | |
| | E | [redacted] | | | |
| | E | [redacted] | | | |
| 15.2 | E | RFI-29 | 5.18 | | |
| | E | [redacted] | | | |
| 9.6 | E | RFI-33 | 3.32 | | |
| | 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

1ST Q '22

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | FOR BUFFALO LOAD SITE | SAMPLE EVENT | 1st Q-R 2022 | SAMPLE DATE | 3-17-22 |
| WELL ID | RFI-31 | SAMPLE TIME | 920 | | |
| TIME | START 820 END 1020 | JOB NUMBER | 16017 OMM | 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 |

13.12

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) 1.25

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

57.0 SWMF

## 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 | 9.80 | 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

1ST Qtr 22

C

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | FOR BUFFALO LAKE SITE | SAMPLE EVENT | 1ST QTR 2022 | SAMPLE DATE | 3-17-22 |
| WELL ID | MW-204 | SAMPLE TIME | 1230 | | |
| TIME | START 1130 END 1245 | JOB NUMBER | 16017 OMM | SAMPLER | |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.28 | FT |
| TOTAL DEPTH | ~~15~~ 14 (15.48) | FT |
| WELL DIAMETER | 2.0 | IN |
| WATER COLUMN | 0.00 | FT |

Updtw

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) 1.48

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 17.07

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1145 | | 5.52 | 10.07 | 1.81 | 7.42 | 2.64 | 54.3 | -72 | |
| 1200 | | 5.52 | 9.60 | 1.87 | 7.26 | 1.99 | 45.7 | -91 | |
| 1215 | | 5.52 | 9.63 | 1.88 | 7.20 | 1.70 | 46.1 | -99 | |

## 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:

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: _____

1st Q '22 (c)

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | For Buffalo Lake Site | SAMPLE EVENT | 1st Qtr. 2022 | SAMPLE DATE | 3-17-22 |
| WELL ID | RFI-2R | SAMPLE TIME | 1340 | SAMPLER | TW |
| TIME | START 1255 END 1400 | JOB NUMBER | 16017 OMM | | |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.96 | FT |
| TOTAL DEPTH | 12.3 | 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) 1.07

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 12.34

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1310 | | 10.3 | 10.90 | 1.50 | 7.14 | 3.02 | 561 | -27 | |
| 1321 | | 10.81 | 10.51 | 1.52 | 7.11 | 2.52 | 527 | -29 | |
| 1330 | | 11.43 | 10.29 | 1.54 | 7.09 | 1.95 | 574 | -34 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | Filtered Sample |
| | | | | | | | | | 1345 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## 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: [ ]

COMMENTS

YSI did not have turbidity

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinsate / field blank required

SIGNITURE: _____

1st Q '22

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC

ONTARIO SPECIALTY CONTRACTING, INC

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | For Buffalo Lake Site | SAMPLE EVENT | 1st Qtr. 2022 | SAMPLE DATE | 3-17-22 |
| WELL ID | PS-05A | SAMPLE TIME | 1430 | SAMPLER | [illegible] |
| TIME | START 1410 END 1440 | JOB NUMBER | 16017 OMM | | |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.09 | FT |
| TOTAL DEPTH | 8 | 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 (converstion) = 0.00 (1 purge volume) 0.49

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 5.65

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1415 | | 6.18 | 10.09 | 0.980 | 7.53 | 10.77 | 27.4 | 77 | |
| 1420 | | 6.37 | 9.28 | 1.01 | 7.45 | 8.97 | 20.5 | 76 | |
| 1425 | | 7.11 | 9.14 | 1.01 | 7.42 | 8.71 | 20.2 | 56 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## 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: [ ]

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: _____

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 | | | ANNUAL |
| 38.4 | A | RFI-26 | 14.09 | | | |
| 32.2 | A | *W6-R-R | 14.85 | | | |
| 16.0 | B | RFI-18 | 6.69 | | | |
| 19.8 | B | RFI-27 | 5.53 | | | |
| 17.5 | B | RFI-30 | 8.95 | | | ANNUAL |
| 17 | B | RFI-28 | 7.28 | | | |
| 9.8 | B | *PS-09 | 4.53 | | | |
| 47 | B | *RFI-19D | 14.89 | | | |
| | ~~C~~ | ~~MW-C01~~ | | | | |
| 15.8 | C | MW-C04 | 5.49 | | | |
| | ~~C~~ | ~~PS-04A~~ | | | | QTRLY |
| 8.6 | C | PS-05A | 5.63 | | | |
| | ~~C~~ | ~~PS-06~~ | | | | |
| 12.3 | C | RFI-20 | 6.51 | | | |
| 15.2 | C | RFI-31 | 6.29 | | | |
| | ~~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 | | | |
| | ~~E~~ | ~~MW-E07~~ | | | | |
| | ~~E~~ | ~~RFI-17~~ | | | | |
| 15.2 | E | RFI-29 | 5.28 | | | |
| | ~~E~~ | ~~RFI-32~~ | | | | |
| 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

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | FOR BUFFALO LOUD R SITE | SAMPLE EVENT | 2nd Qtr 22 (c) |
| WELL ID | RFI-31 | SAMPLE TIME | 945 |
| TIME | START 820 END 1010 | JOB NUMBER | 16017 OMM |
| SAMPLE DATE | 5-23-22 | SAMPLER | [illegible] |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 6.29 | 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" = 0.66 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) 1.58

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 |
|---|---|---|---|---|---|---|---|---|---|
| 830 | | 10.03 | 11.50 | 8.90 | 8.03 | 17.27 | 9.7 | 121 | |
| 901 | | 12.3 | 11.73 | 8.79 | 7.77 | 18.64 | 11.1 | 125 | |
| 935 | | 13.6 | 11.51 | 7.55 | 7.55 | 18.10 | 19.6 | 106 | |

## 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 rinsate / field blank required

SIGNITURE: _____

## COMMENTS

YSI did not have turbidity

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | For Buffalo Color Site | SAMPLE EVENT | 2nd Qtr '22 (c) | SAMPLE DATE | 5-23-22 |
| WELL ID | MW-204 | SAMPLE TIME | 1145 | | |
| TIME | START 1022 END 1235 | JOB NUMBER | 16017 OMM | SAMPLER | JW |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.49 | FT |
| TOTAL DEPTH | 15.8 | 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)  2.68

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump)  30.92

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1040 | | 5.80 | 10.72 | 1.83 | 7.01 | 12.57 | 41.2 | -38 | |
| 1108 | | 5.85 | 11.08 | 1.81 | 6.97 | 11.30 | 11.1 | -65 | |
| 1133 | | 5.85 | 11.15 | 1.81 | 6.96 | 12.31 | 3.5 | -80 | |
| | | | | | | | | | D-MS-MSD |
| | | | | | | | | | 1155 |
| | | | | | | | | | 1205 |
| | | | | | | | | | 1215 |

## 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 rinsate / field blank required

SIGNITURE: _____

## COMMENTS

YSI did not have turbidity

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | For Buffalo Lower Site | SAMPLE EVENT | 2nd Qtr '22 (C) |
| WELL ID | RFI-20 | SAMPLE TIME | 13:45 |
| TIME | START 1245 END 1355 | JOB NUMBER | 16017 OMM |
| SAMPLE DATE | 5-23-22 | SAMPLER | GW |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 6.51 | FT |
| TOTAL DEPTH | 12.3 | 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) 2.09

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 24.11

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1257 | | 9.63 | 12.50 | 1.29 | 7.10 | 3.48 | 50.2 | -61 | |
| 1315 | | 10.38 | 11.88 | 1.29 | 7.06 | 4.59 | 46.8 | -47 | |
| 1335 | | 10.75 | 11.82 | 1.38 | 7.03 | 6.30 | 50.3 | -47 | |

## 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 rinsate / field blank required

SIGNITURE: _____

COMMENTS

YSI did not have turbidity

#16011

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | For Buffalo Lead Site | SAMPLE EVENT | 2nd Qtr. '22 (C) |
| WELL ID | PS-05A | SAMPLE TIME | 1150 |
| TIME | START 1400 END | JOB NUMBER | 16017 OMM |
| SAMPLE DATE | 5-23-22 | SAMPLER | AW |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.63 | FT |
| TOTAL DEPTH | 8.6 | 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) 1.46

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 16.84

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1410 | | 6.81 | 11.91 | 0.959 | 7.28 | 3.08 | 24.1 | -128 | |
| 1425 | | 7.25 | 11.74 | 1.01 | 7.22 | 5.38 | 23.5 | -130 | |
| 1440 | | 7.53 | 11.70 | 1.07 | 7.17 | 7.23 | 17.9 | -130 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

## 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

| | 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

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

C

# FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC
ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | 3RD QTR '22' | | |
| WELL ID | RFI-31 | SAMPLE EVENT | AREA C | SAMPLE DATE | 8-18-22 |
| TIME | START ~~[illegible]~~ 13:15 END 14:15 | JOB NUMBER | 16011 | SAMPLER | Taylor Kunzelman |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 6.55 | 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: 13:50

### 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

8.75 (water column) x 0.17 (conversion) = 1.48 (1 purge volume)

3 purge volumes = 4.44 gallons

4.44 (gallons) x 0.26 gal/min (flow rate) = 17.07 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 13:25 | | 8.84 | 155 | 20.37 | 7.93 | 7.77 | 4.18 | 7.7 | -87 | |
| 13:30 | | 10.91 | " | 19.48 | ~~7.63~~ 8.15 | 7.63 | 9.83 | 3.4 | -61 | |
| 13:35 | | 12.05 | " | 19.59 | 8.14 | 7.57 | 10.34 | 4.1 | -58 | |
| 13:40 | | 12.47 | " | 19.73 | 8.07 | 7.52 | 10.36 | 5.1 | -~~50~~ 57 | |

## 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:

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE:

C

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | 3RD QTR '22' | | |
| WELL ID | PS-05A | SAMPLE EVENT | ARem C | SAMPLE DATE | 8.18.22 |
| TIME | START 12:20 END 12:50 | JOB NUMBER | 16011 | SAMPLER | Taylor Kunzelman |

## WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 6.68 FT

WELL DEPTH: 10.0 FT

WELL DIAMETER: 2.0 IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES [X] NO [ ]

TIME OF SAMPLE COLLECTION: 12:35

### 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

3.32 (water column) x 0.17 (conversion) = 0.56 (1 purge volume)

3 purge volumes = 1.68 gallons

1.68 (gallons) x 0.26 gal/min (flow rate) = 6.46 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:20 | | 7.75 | 150 | 18.18 | 1.44 | 7.26 | 6.63 | 19.1 | -136 | |
| 12:25 | | 8.16 | " | 18.39 | 1.35 | 7.22 | 6.28 | 16.5 | -138 | |
| 12:30 | | 8.37 | " | 18.18 | 1.31 | 7.20 | 7.60 | 12.1 | -136 | |

## 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: [ ]

COMMENTS

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: [signature]

C

# FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC
ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | 3RD QTR '22' | | |
| WELL ID | RFI-20 | SAMPLE EVENT | Area C | SAMPLE DATE | 8.18.22 |
| TIME | START 11:40 END 12:15 | JOB NUMBER | 16011 | SAMPLER | Taylor Kunzelman |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 7.18 | FT |
| WELL DEPTH | 15.2 | FT |
| WELL DIAMETER | 2.0 | IN |

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES [X] NO [ ]

TIME OF SAMPLE COLLECTION 12:00

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

8.02 water column x 0.17 conversion = 1.36 1 purge volume

3 purge volumes = 4.08 gallons

4.08 gallons x 0.26 gal/min flow rate = 15.69 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:40 | | 9.32 | 150 | 16.66 | 1.64 | 6.96 | 3.48 | 160 | -86 | |
| 11:45 | | 10.39 | " | 16.94 | 1.49 | 6.94 | 10.35 | 52.7 | -98 | |
| 11:50 | | 10.32 | " | 17.45 | 1.46 | 6.94 | 11.10 | 56.4 | -82 | |
| 11:55 | | 10.59 | " | 18.69 | 1.41 | 6.95 | 10.50 | 50.6 | -77 | |
| 12:00 | | 10.87 | " | 19.25 | 1.48 | 6.93 | 9.99 | 50.3 | -75 | |

## 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 Turbidity acting up on Horiba

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: [signature]

C

# FIELD DATA RECORD - GROUNDWATER SAMPLING

OSC
ONTARIO SPECIALTY CONTRACTING, INC.

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Buffalo Color Corporation | SAMPLE ID | 3RD QTR '22' | | |
| WELL ID | MW-C04 | SAMPLE EVENT | AREA C | SAMPLE DATE | 8-18-22 |
| TIME | START 10:00 END 11:30 | JOB NUMBER | 16011 | SAMPLER | Taylor Kunzelman |

## WATER LEVEL / PUMP SETTINGS

STATIC DEPTH TO WATER: 5.93 FT

WELL DEPTH: 16.2 FT

WELL DIAMETER: 2.0 IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES [X] NO [ ]

TIME OF SAMPLE COLLECTION: 10:25

**Well Conversion Factors**

1" = 0.04 gal/foot water
2" = 0.17 gal/foot water
4" = 0.66 gal/foot water
6" = 1.5 gal/foot water

10.27 (water column) x 0.17 (conversion) = 1.74 (1 purge volume)

3 purge volumes = 5.22 gallons 20.07

5.22 (gallons) x 0.26 gal/min (flow rate) = _____ 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:00 | | 6.23 | 150 | 17.50 | 1.70 | 7.08 | 8.97 | 68.1 | -96 | |
| 10:05 | | 6.31 | " | 17.65 | 1.69 | 7.00 | 12.80 | 67.5 | -93 | |
| 10:10 | | 6.32 | " | 18.25 | 1.68 | 6.96 | 12.85 | 67.0 | -80 | |
| 10:15 | | 6.34 | " | 18.22 | 1.68 | 6.94 | 12.87 | 64.2 | -74 | |
| 10:20 | | 6.30 | " | 18.46 | 1.68 | 6.93 | 12.88 | 63.8 | -77 | |

## 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: 5

## NOTES

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNITURE: [signature]

COMMENTS

MS MSD Taken
DUP taken time 11:05
Area C D
Turbidity acting up on Horiba

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] | | | |
| | 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

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | 16011 B.G. | SAMPLE EVENT | 4TH Q '21 (2) |
| WELL ID | RF1-20 | SAMPLE TIME | 9:00 |
| TIME START | 8:17 END 925 | JOB NUMBER | 16011 |
| SAMPLE DATE | 11-8-21 | SAMPLER | GD |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.55 | FT |
| TOTAL DEPTH | 12.3 | 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) 1.14

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.20 gal/min (flow rate) = 0 (minutes to purge) 13.15

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. (ml) | DEPTH TO WATER (ft) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (mS/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 8:25 | | 8.13 | 15.72 | 1.61 | ~~3.44~~ 7.22 | 12.82 | 34.4 | 60 | |
| 8:37 | | 9.33 | 15.73 | 1.60 | 7.07 | 8.10 | 26.2 | 97 | |
| 8:50 | | 9.88 | 15.72 | 1.31 | 7.03 | 11.69 | 21.1 | 166 | |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SS/OD 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 CONTAMINIZED: YES [X] NO [ ]

NUMBER OF GALLONS GENERATED: [ ]

NOTES
All equipment used either dedicated or decomed prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

COMMENTS
YSI did not have turbidity

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | 16011 B.G. | SAMPLE EVENT | 4th '21 (2) |
| WELL ID | PS-05A | SAMPLE TIME | 1005 |
| TIME | START 930 END 1012 | JOB NUMBER | 16011 ~~10847-GWM~~ |
| SAMPLE DATE | 11-8-21 | SAMPLER | [illegible] |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 4.36 | FT |
| TOTAL DEPTH | 8 | 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) 0.61

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.26 gal/min (flow rate) = 0 (minutes to pump) 7.03

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 (mm/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 942 | | 5.97 | 15.03 | 0.989 | ~~26.2~~ 8.05 | 8.67 | 26.2 | 143 | |
| 950 | | 6.14 | 15.18 | 1.02 | 7.82 | 7.63 | 20.6 | 42 | |
| 956 | | 6.62 | 15.25 | 1.04 | 7.69 | 7.15 | 14.0 | -111 | |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SIMOO 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 [ ]

COMMENTS

YSI did not have turbidity

NOTES

All equipment used either dedicated or decomned prior to arrival on site. No rinsate / field blank required

SIGNITURE: _____

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | 16011 B.G. | SAMPLE EVENT | 4th '21 (C) |
| WELL ID | MW-L04 | SAMPLE TIME | 1140 |
| TIME START | 1045 END 1230 | JOB NUMBER | 16011 |
| SAMPLE DATE | 11-8-21 | SAMPLER | TD |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 5.14 | FT |
| TOTAL DEPTH | 14 | 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) 1.50

3 purge volumes = 0.00 gallons

0.00 (gallons) ÷ 0.28 gal/min (flow rate) = 0 (minutes to pump) 17.30

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 |
|---|---|---|---|---|---|---|---|---|---|
| 1038 | | 5.74 | 15.68 | 2.12 | 7.00 | 1.80 | 42.6 | -2 | |
| 1115 | | 5.80 | 15.96 | 2.10 | 6.48 | 1.20 | 43.2 | -20 | |
| 1131 | | 5.80 | 16.07 | 2.11 | 6.55 | 1.01 | 33.4 | -48 | D-M.S M.S D |
| | | | | | | | | | 1150 1200 |
| | | | | | | | | | 1210 |
| | | | | | | | | | Cloudy color |
| | | | | | | | | | PART. |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SMOO 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 GAUGE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

## 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 decomed prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

COMMENTS
YSI did not have turbidity

# FIELD DATA RECORD - GROUNDWATER SAMPLING

ONTARIO SPECIALTY CONTRACTING, INC

| | | | |
|---|---|---|---|
| PROJECT | 16011 B.G. | SAMPLE EVENT | 4TH Q '21 (L) |
| WELL ID | RFI-31 | SAMPLE TIME | 130 |
| TIME | START 1240 END 145 | JOB NUMBER | 16011 |
| SAMPLE DATE | 11-8-21 | SAMPLER | TD |

## WATER LEVEL / PUMP SETTINGS

| | | |
|---|---|---|
| STATIC DEPTH TO WATER | 6.49 | FT |
| TOTAL DEPTH | 14 | FT |
| WELL DIAMETER | 2.0 | IN |
| WATER COLUMN | 0.00 | FT |

WELL CONVERSION FACTORS

1" = 0.04 gal/feet water  4" = 0.66 gal/feet water
2" = 0.17 gal/feet water  6" = 1.6 gal/feet water

0.00 water column x 0.17 conversion = 0.00 1 purge volume 1.27

3 purge volumes = 0.00 gallons

0.00 gallons ÷ 0.20 gal/min flow rate = 0 minutes to purge 1465

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. (ml) | DEPTH TO WATER (ft) | TEMP. (deg. C) | SPECIFIC CONDUCTANCE (mS/cm) | pH (units) | DISS O2. (mg/L) | TURBIDITY (ntu) | REDOX (ORP) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 1232 | | 7.88 | 16.82 | 8.94 | 9.57 | 5.35 | 24.5 | 2 | |
| 105 | | 8.14 | 17.16 | 8.87 | 9.54 | 3.04 | 12.7 | 8 | |
| 120 | | 10.63 | 17.31 | 8.86 | 9.21 | 5.07 | 12.2 | -39 | |

## EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BAILER
- [ ] SAMCO 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-52 W/ FLOW CELL
- [ ] OTHER

TYPE OF WATER LEVEL DEVICE
- [ ] GEOTECH INTERFACE METER
- [x] SOLINST WATER METER
- [ ] OTHER

## 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 decomed prior to arrival on site. No rinsate / field blank required

SIGNATURE: _____

## COMMENTS

YSI did not have turbidity

## Appendix C – SSD Tracking Log

# Ontario Specialty Contracting, Inc:
## Vacuum Check Log

| Vacuum? | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 | Station 6 | Initials |
|---|---|---|---|---|---|---|---|
| 10/1/2021 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 11/1/2021 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 12/1/2021 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 1/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 2/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 3/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 4/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | |
| 5/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 6/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 7/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 8/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 9/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 10/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 11/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |
| 12/1/2022 | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | Yes / No | TMW |

| NOTES |
|---|
| Station #3/#5 shows larger vacuum than other stations. (October 2022) (November 2022) (December 2022) |

OSC