



February 19, 2025

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, 2023, to October 5, 2024.

The revised report incorporates comments on the PRR received from the New York State Department of Environmental Conservation (NYSDEC) in an e-mail dated February 5, 2025. The NYSDEC's comments are reproduced in the bullets below followed by Inventum's response in *italics*.

- Update Figure 3 per Table Revisions  
*The PRR has been revised in accordance with the comment.*
  
- Appendix C –
  - Include pressure readings for the entire certifying period
  - Elaborate on the repairs needed to fix the tripping breaker. Were any modifications needed to the SSDS?  
*The PRR has been revised in accordance with the comment. No modifications were needed to the SSDS. The breaker was replaced.*

Please feel free to call with any questions or comments.

Respectfully submitted,

Todd Waldrop

Partner  
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	
<b>Site No.</b>	<b>C915231</b>		
<b>Site Name</b> 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, 2023 to October 04, 2024			
		YES	NO
1. Is the information above correct?		X	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/>	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/>	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/>	X
<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>			
5. Is the site currently undergoing development?		<input type="checkbox"/>	X
<b>Approval of the revised SMP and FER for restricted-residential use is pending</b>		<b>Box 2</b>	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial		<input type="checkbox"/>	X
7. Are all ICs in place and functioning as designed?		X	<input type="checkbox"/>
<b>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.</b>			
<b>A Corrective Measures Work Plan must be submitted along with this form to address these issues.</b>			
 _____ Signature of Owner, Remedial Party or Designated Representative		02/19/2025 _____ Date	



Enclosure B





*INVENTUM ENGINEERING, PC*

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

229 Elk St.  
NYSDEC Site Number C915231

Dates Covered by Report:  
October 5, 2023 to October 5, 2024

## Table of Contents

Executive Summary .....	4
1.1 Site Summary .....	4
1.2 Effectiveness of the Remedial Program .....	4
1.2.1 Progress During the Reporting Period .....	5
1.2.2 Progress to Remedial Objectives for the Site.....	6
1.3 Compliance .....	6
1.3.1 Potential Non-compliance .....	6
1.3.2 Proposed Steps.....	6
1.4 Recommendations .....	7
1.4.1 Recommended Changes to the SMP .....	7
1.4.2 Recommend Changes to the Frequency for Submittal of PRRs .....	7
1.4.3 Recommend Whether the Requirements for Discontinuing Site Management.....	7
2 Site Overview .....	8
2.1 Site Location .....	8
2.2 Chronology of the Remedial Program.....	8
3 Evaluate Remedy Performance, Effectiveness, and Protectiveness.....	10
3.1 IC/EC Requirements and Compliance .....	10
3.1.1 Controls.....	10
3.1.2 Status .....	12
3.1.3 Corrective Measures.....	12
3.1.4 Conclusions and Recommendations.....	12
3.2 IC/EC Certification.....	12
4 Monitoring Plan Compliance Report .....	13
4.1 Comparisons with Remedial Objectives.....	13
4.2 Monitoring Deficiencies .....	13
4.3 Conclusions and Recommendations for Changes.....	13
5 Operations and Maintenance Plan Compliance Report .....	14
5.1 Components of the O&M Plan.....	14
5.2 Components of the Monitoring Plan.....	14
5.3 Summary of Monitoring .....	14
5.4 Comparisons with Remedial Objectives.....	14



5.5	Monitoring Deficiencies .....	15
5.6	Conclusions and Recommendations for Changes.....	15
6	Operation & Maintenance (O&M) Plan Compliance Report.....	16
6.1	Summary of O&M Completed During Reporting Period.....	16
6.2	O&M Deficiencies .....	16
7	Overall PRR Conclusions and Recommendations.....	17
7.1	Performance and Effectiveness of the Remedy.....	17
7.2	Future PRR Submittals.....	17

Tables

Figures

Appendix A – Analytical Data

Appendix B – Sample Collection Logs

Appendix C – SSD Tracking Log

Appendix D – September 6, 2024 – Indoor Air Sampling Report Data Tables and Figures

Appendix E – Photolog



## 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 that were considered source material or 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:



Dates Covered by Report: October 5, 2023 to October 5, 2024

- 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-31A; however, an overall decreasing trend in Total VOCs is evident in all wells (Table 2a). A slightly increasing trend in 1,2-dichlorobenzene and 1,4-dichlorobenzene is noted at RFI-31A. The fluctuations contributing to the trend are within natural seasonal and spatial variation.
- More recent trends in Total VOC concentrations are shown on Table 2b. Decreasing to asymptotic concentrations are evident at RFI-20A and RFI-31A. There is a slight increasing recent trend at MW-C04 and a more pronounced increasing trend at PS-05A although the Total VOC concentration at each of these wells is below 0.5 milligrams per liter (mg/L). Fluctuations in chlorobenzene concentrations at PS-05A include recent periods (Q1 2023, Q4 2023, and Q1 2024) when concentrations were non-detect. 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 3 through 7.
- Sub-slab and ambient air samples were collected during the reporting period in accordance with the NYSDEC approved work plan included in the September 2023 *Indoor Air Sampling Report*. Co-located indoor air samples and sub-slab samples were collected at four (4) indoor locations and one (1) outdoor location (Appendix D). The sampling data was reported in the September 6, 2024, *Indoor Air Sampling Report* submitted to the NYSDEC. Ethylbenzene, Methylene Chloride, p/m-Xylene, and tetrachloroethene (PCE) were detected in sub-slab or indoor air samples at concentrations above NYSDOH matrix action levels requiring additional investigation/action. The presence of VOCs in the building indoor air suggests that VOCs in the sub-slab could be contributing to vapor intrusion in the basement. Corrective Measures to address potential vapor intrusion are ongoing and include (1) additional sampling to validate previous results and (2) evaluating potential modification/upgrades to the SSD system.

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 Site 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 relatively stable, decreasing, or slightly increasing trends in Total VOC concentrations in RFI-31A, RFI-20A, and MW-C04, respectively, over the last three years (Q4 2021 through Q3 2024; Table 1, 2a, and 2b). The data show an increasing trend in Total VOC concentrations in PS-05A over the last three years (Table 2b) although the overall trend (Table 2a) is consistently decreasing. The more recent trend at PS-05A can be attributed to natural fluctuations in concentrations over time where there are periodic outliers above the historical decreasing trend. The overall trends (Table 2a) of each of the monitoring wells in the sampling network supports an assessment that VOC concentrations in groundwater are continuing to trend toward asymptotic conditions even though there may be fluctuations and outliers that skew the overall trend. Groundwater monitoring in accordance with the SMP will continue during the 2024-2025 reporting period.

No additional actions are proposed or necessary at this time.



### 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 cover system was intact (Appendix E), and the remedy remained protective for preventing inadvertent direct contact with impacted soils. Some areas grass turf cover may require minor patching/reseeding due to snowplow damage. These areas will be evaluated during the next reporting period following the 2024-2025 winter season.
- Monthly inspections of the sub-slab depressurization system (SSDS) were conducted to verify a vacuum in the subsurface and proper operation of the SSDS. 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.
- Monthly pressure readings of the SSDS system manometers (Appendix C) and sub-slab vapor ports (Appendix C) show corrective measures are necessary to maintain consistent vacuum in the subsurface beneath the entire building. Vacuum readings above design criteria were present at each of the six (6) manometers in the system. Sub-slab vacuum readings above design criteria were present at three of the five sub-slab vapor ports indicating supplemental actions may be necessary to increase vacuum underneath the entire slab. These corrective measures will be proposed in a Corrective Measures Work Plan submitted during the next reporting period.
- Sub-slab and ambient air samples were collected during the reporting period in accordance with the NYSDEC approved work plan included in the September 2023 *Indoor Air Sampling Report*. Co-located indoor air samples and sub-slab samples were collected at four (4) indoor locations and one (1) outdoor location (Appendix D). The sampling data was reported in the September 6, 2024, *Indoor Air Sampling Report* submitted to the NYSDEC. Ethylbenzene, Methylene Chloride, p/m-Xylene, and (PCE) were detected in sub-slab or indoor air samples at concentrations above NYSDOH matrix action levels requiring additional investigation/action. The presence of VOCs in the building indoor air suggests that VOCs in the sub-slab could be contributing to vapor intrusion in the basement. Corrective Measures to address potential vapor intrusion are ongoing and include (1) additional sampling to validate previous results and (2) evaluating potential modification/upgrades to the SSD system.
- 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 2020-2021 reporting period. A revised SMP and Final Engineering Report (FER) were submitted to the NYSDEC during the reporting period.

Monthly inspections to confirm a vacuum and proper operation of the SSDS were conducted (Appendix C) and data indicates corrective measures are necessary to maintain consistent vacuum in the subsurface.

#### 1.3.1 Potential Non-compliance

The Site is in corrective measures until finalization of the revised SMP and FER. Additionally, actions are required to bring the SSDS into compliance with the design.

#### 1.3.2 Proposed Steps

The revised and updated SMP and FER were submitted to the NYSDEC during the reporting period.



A Corrective Measures Work Plan to address the functionality of the SSDS will be submitted during the next reporting period. The work plan will detail:

- Proposed corrective measures to increase air exchange rates in the basement of the building;
- Proposed corrective measure to increase vacuum pressure differentials beneath the slab; and, Additional sub-slab and indoor air sampling during the 2024-2025 heating season (November 15, 2024, to March 31, 2025).

## 1.4 Recommendations

### 1.4.1 Recommended Changes to the SMP

A revised SMP was submitted to the NYSDEC during the 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. The revised SMP also includes modification of the groundwater sampling frequency from quarterly to semi-annual.

### 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 foot 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. The second floor is occupied as the business headquarters for Ontario Specialty Contracting and the residential unit remains unoccupied. The basement and first floor are not continually occupied. The first floor is utilized periodically as an event center and banquet facility. The basement is utilized primarily for storage and periodically by a catering service to support events held on the first floor. 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. Regenesis 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, 2a, 2b, and Figures 3 through 7. 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, which is supported by both the overall decreasing trend in Total VOC concentrations (Table 2a) at all of the monitoring wells and largely stable to slightly decreasing (Table 2b) over recent reporting periods at half of the monitoring wells (RFI-20A and RFI-31A). Recent trends in Total VOC concentrations at two wells (MW-C04 and PS-05A) are slightly increasing; however, the existing exceedances of Class GA standards are almost exclusively due to Chlorobenzene concentrations which is still decreasing overall at each monitoring well (Table 2a). Fluctuations in concentrations above and below the overall decreasing trend are expected and anticipated. No additional groundwater remedial actions are proposed at this time.

#### 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.



Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

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 provided 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 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. A revised FER and revised SMP was submitted to the NYSDEC during the reporting and a new environmental easement was filed during the previous reporting period documenting the restricted-residential use. The Site will remain in corrective measures until the revised SMP and FER are approved.



### 3.1.2 Status

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

- Documenting site-wide that the cover system was intact and protective of potential human exposure during the reporting period.

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

### 3.1.3 Corrective Measures

Corrective measures for the SSDS will be proposed during the next reporting period and are anticipated to include:

- Proposed corrective measures to increase air exchange rates in the basement of the building;
- Proposed corrective measure to increase vacuum pressure differentials beneath the slab; and,
- Additional sub-slab and indoor air sampling during the 2024-2025 heating season (November 15, 2024, to March 31, 2025).

### 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<sup>1</sup>:

- 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 2023 -2024 Quarterly Monitoring Compliance Summary

	2023	2024
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.

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<sup>1</sup> Modifications to the frequency of groundwater sampling and cover system inspections are included in the revised SMP. The existing frequency will be maintained until the revised SMP is approved by the NYSDEC.



## 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 and prevent vapor intrusion of harmful vapors from soil and/or groundwater. 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 2023-2024 Quarterly Well Monitoring Summary

Well ID	<u>Monitoring Type</u>	<u>Monitoring Parameters</u>	2023 Q4	2024 Q1	2024 Q2	2024 Q3
MW-C04	Quarterly Sampling	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
RFI31-RFI31A	Quarterly Sampling	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
RFI-20-RFI-20A	Quarterly Sampling	TCL VOCs, TCL SVOCs, TAL Metals	X	X	X	X
PS-05A	Quarterly Sampling	TCL 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 3 and groundwater elevation contours are represented on Figures 4 through 7. 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 natural seasonal fluctuations in groundwater flow. No additional groundwater remedies are proposed at this time.

### 5.4 Comparisons with Remedial Objectives

The data that exceeded the GWQSs are presented in Table 1 and on Figure 3.



## 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

Monthly pressure readings of the SSDS system manometers (Appendix C) and sub-slab vapor ports (Appendix C) show corrective measures are necessary to maintain consistent vacuum in the subsurface beneath the entire building. Sub-slab and ambient air samples were collected during the reporting period in accordance with the NYSDEC approved work plan included in the September 2023 *Indoor Air Sampling Report*. Co-located indoor air samples and sub-slab samples were collected at four (4) indoor locations and one (1) outdoor location (Appendix D). The sampling data was reported in the September 6, 2024, *Indoor Air Sampling Report* submitted to the NYSDEC. Ethylbenzene, Methylene Chloride, p/m-Xylene, and (PCE) were detected in sub-slab or indoor air samples at concentrations above NYSDOH matrix action levels requiring additional investigation/action. The presence of VOCs in the building indoor air suggests that VOCs in the sub-slab could be contributing to vapor intrusion in the basement. Corrective Measures to address potential vapor intrusion are ongoing and include (1) additional sampling to validate previous results and (2) evaluating potential modification/upgrades to the SSD system.

Corrective measures for the SSDS will be proposed during the next reporting period and are anticipated to include:

- Proposed corrective measures to increase air exchange rates in the basement of the building;
- Proposed corrective measure to increase vacuum pressure differentials beneath the slab; and,
- Additional sub-slab and indoor air sampling during the 2024-2025 heating season (November 15, 2024, to March 31, 2025).



## 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.

Sub-slab and indoor air sampling was conducted during the reporting period to evaluate indoor air quality in the occupied building on the Site. The results indicate corrective measures are required to ensure the SSDS is functioning as designed. A Corrective Measures Work Plan will be prepared and submitted during the next reporting period.

### 7.2 Future PRR Submittals

It is currently expected that the next PRR will be submitted on or about November 4, 2025.



Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

## Tables





Table 1  
Groundwater Data Summary  
Area C  
Former Buffalo Color Corporation

Class GA Standard**	No Sample Collected												Total TCL SVOCs	
	5	3	3	3	1	5	--	5	50	5	0	1	--	
	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	
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	
12/8/2022	<3.3	<6.3	15	29	<3.3	240 F1	284	<0.51	<0.50	<0.61	<0.47	<0.39	0	
3/29/2023	<3.3	<6.3	16	29	<3.3	250	295	<0.53	<0.52	<0.64	<0.49	<0.41	0.69 J	
3/29/2023 (DUP)	<1.6	<3.2	15	28	<1.6	250	293	<0.51	<0.50	<0.61	<0.47	<0.39	0.54 J	
6/26/2023	<3.3	<6.3	13	24	<3.3	230	267	<0.51	<0.50	1.9 J	<0.47	<0.39	3.62 J	
6/26/2023 (DUP)	<1.6	<3.2	12	25	<1.6	230	267	<0.51	<0.50	1.9 J	<0.47	<0.39	3.62 J	
9/26/2023	<3.3	<6.3	12	24	<3.3	230	266	<0.51	<0.50	1.7 J	<0.47	<0.39	6.2 J	
12/28/2023	<3.3	<6.3	12	25	<3.3	210	247	0.89	<0.50	<0.61	<0.47	<0.39	2.07 J	
12/28/2023 (DUP)	<1.6	<3.2	14	27	<1.6	230	271	<0.51	<0.50	<0.61	<0.47	<0.39	0.55 J	
2/8/2024	<3.3	<6.3	12	22	<3.3	170	204	1.4 J	<0.50	1.2 J	<0.47	<0.39	2.6 J	
6/4/2024	<1.6	<3.2	12	23	<1.6	210 T	247.1 T	0.95 J	<0.50	1.6 J	<0.47	<0.39	6.92 J	
6/4/2024 (DUP)	<6.3	<3.3	14	24	<3.3	230	268	0.79 J	<0.52	1.5 J	<0.49	<0.41	6.26 J	
9/16/2024	<1.6	<3.2	12	25	<1.6	250	287	<0.51	<0.50	2.6 J	<0.47	<0.39	4.45	



Table 1  
Groundwater Data Summary  
Area C  
Former Buffalo Color Corporation

Class GA Standard**	5	3	3	3	1	5	--	5	50	5	0	1	--
	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
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
12/8/2022	<0.41	<0.79	<0.78	<0.84	<0.41	5.1	5.1	<0.51	<0.50	<0.61	<0.47	<0.39	0
3/29/2023	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0
6/26/2023	<0.41	2	<0.78	<0.84	<0.41	120	122	<0.51	<0.50	<0.61	<0.47	<0.39	2.65 J
9/26/2023	<1.6	<3.2	<3.1	<3.4	<1.6	100 F1	100	<0.51	<0.50	<0.61	<0.47	<0.39	3.86 J
9/26/2023 (DUP)	<0.82	2.8	<1.6	<1.7	<0.82	95	97.8	<0.51	<0.50	<0.61	<0.47	<0.39	3.43 J
12/28/2023	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0
2/8/2024	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0
6/4/2024	<0.41	3.1	<0.78	<0.84	<0.41	180	183.68	<0.55	<0.54	1.3 J	<0.51	<0.42	3.3 J
9/16/2024	<0.41	7.3	<0.78	<0.84	<0.41	290	297.3	<0.51	<0.50	<0.61	<0.47	<0.39	1.9 J

PS-05A



Table 1  
Groundwater Data Summary  
Area C  
Former Buffalo Color Corporation

Class GA Standard**	5	3	3	3	1	5	--	5	50	5	5	0	1	--
	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	
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	<24	0
6/29/2011	130	<50	<50	<50	25 J	5900	6055	<4.7	<4.7	<9.4	<4.7	<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	
12/8/2022	2.1 T	<0.79	<0.78	<0.84	<0.41	34 F 1	36.1	<0.51	<0.50	<0.61	<0.47	<0.39	0	
12/8/2022 (DUP)	2.3	<0.79	<0.78	<0.84	<0.41	61	63.3	<0.51	<0.50	<0.61	<0.47	<0.39	0.61 J	
3/29/2023	<0.41	<0.79	<0.78	<0.84	<0.41	4.1	4.1	<0.51	<0.50	<0.61	<0.47	<0.39	0	
6/26/2023	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0	
9/26/2023	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	2.4 J	
12/28/2023	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0.21 J	<0.53	<0.52	<0.64	<0.49	<0.41	0	
2/8/2024	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0	
6/4/2024	<0.41	<0.79	<0.78	<0.84	<0.41	2.4	2.4	<0.53	<0.52	<0.64	<0.49	<0.41	0	
9/16/2024	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0.43 J	
9/16/2024 (DUP)	<0.41	<0.79	<0.78	<0.84	<0.41	<0.75	0	<0.51	<0.50	<0.61	<0.47	<0.39	0	



Table 1  
Groundwater Data Summary  
Area C  
Former Buffalo Color Corporation

Class GA Standard**	Former Buffalo Color Corporation													
	5	3	3	3	1	5	--	5	50	5	0	1	--	
	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	
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	84	<4.6	<4.6	<9.3	<4.6	<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	1110.13	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	
12/8/2022	21	<7.9	360	57	<4.1	37	475	0.57 J	<0.50	<0.61	<0.47	<0.39	1.3 J	
3/29/2023	<4.1	<7.9	61	9.2 J	<4.1	<7.5	74.9 J	<0.51	<0.50	<0.61	<0.47	<0.39	0	
6/26/2023	23	8.7 J	400	65	<4.1	66	562.7 J	<0.51	<0.50	1.2 J	<0.47	<0.39	1.85 BJ	
9/26/2023	4.7 J	11	420	92	<4.1	110	637.7	1.4 J	<0.50	0.69 J	<0.47	<0.39	6.99 J	
12/28/2023	6.8 J	<7.9	110	19	<4.1	16	151.8 J	<0.51	<0.50	<0.61	<0.47	<0.39	0	
2/8/2024	11 T	1.8 T	66 T	12 T	<0.41	9.1 T	100.27 JT	0.57 J	<0.50	<0.61	<0.47	<0.39	0.57 J	
2/8/2024 (DUP)	20	3.0	110	19	<0.82	16	168	0.60 J	<0.50	<0.61	<0.47	<0.39	0.60 J	
6/4/2024	34	9.2	270	56	<0.82	52	421.2	1.9 J	<0.50	<0.61	<0.47	<0.39	5.46 J	
9/16/2024	21	20	710	160	<3.3	150	1061	1.9 J	<0.50	1.2 J	<0.47	<0.39	3.64 J	

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 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	DIETHYL PHTHALATE	DI-N-BUTYL PHTHALATE
		Class GA Standard (ug/L):	5	NA	7	5	5	NA	5	NA	NA	NA	50	50
MW-C04	11/20/2019	ND	ND	ND	20 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/2020	ND	ND	5.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/2020	ND	ND	ND	5.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/10/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.50 BJ
	3/23/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37J
	8/16/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41J
	11/8/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/17/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4 B 5.3 B
	8/18/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/8/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36 BJ (0.37 BJ)
	9/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND
	12/28/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/8/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6/4/2024	ND	ND	ND	2.1 J (ND)	ND	ND	ND	ND	ND	2.9 J (2.6 J)	ND	ND	ND	
9/9/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	
PS-05A	11/20/2019	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/2020	ND	ND	ND	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	ND	ND	ND
	8/10/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52 BJ
	3/23/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54 J
	8/16/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45J	0.35 J
	11/8/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 B
	12/8/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	0.92 J	ND	ND	ND	0.53 BJ
	9/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J (2.9 J)	ND	ND	ND
	12/28/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6/4/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/16/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	



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

Well ID	Sample Date	Analyte:	FLUORANTHENE	PYRENE	2-CHLOROPHENOL	N-NITROSODIPHENYLAMINE	PHENANTHRENE	Benzaldehyde	Naphthalene	Acetone	Nitrobenzene	Benzyl Butyl Phthalate	Carbon Disulfide	Chloromethane	
		Class GA Standard (ug/L):	50	50	NA	50	50	NA	10	50	0.4	50	NA	5	
MW-C04	11/20/2019		ND	ND	1.4 J	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	
	3/5/2020		ND	ND	1.5 J	0.73 J	ND	ND	ND	ND	ND	ND	ND	ND	
	5/19/2020		ND	ND	2.2 J	0.98 J	0.49 BJ	ND	ND	ND	ND	ND	ND	ND	
	8/10/2020		ND	ND	2.3 J	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	
	3/23/2021		ND	ND	1J	ND	ND	0.34J	1.1J	ND	ND	ND	ND	ND	
	5/25/2021		ND	ND	0.96J (0.94 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	8/16/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	11/8/2021		ND	ND	0.66 J (0.84 J)	0.71 J (0.79J)	ND	ND	ND	ND	ND	ND	1 J (ND)	ND	ND
	3/17/2022		ND	ND	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/2022		ND	ND	0.61 J (0.7)	0.63 J (0.68 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/18/2022		ND	ND	ND	ND	ND	ND	ND	ND	0.37 JH (0.43 JH)	ND	ND	ND	ND
	12/8/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023		ND	ND	ND	0.69 J (0.54 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023		ND	ND	0.74 J (0.71 J)	0.62 J (0.64 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2023		ND	ND	0.70 J	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/2023		ND	ND	0.55 J (ND)	0.63 J (0.55 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/8/2024		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/4/2024		ND	ND	0.65 J (0.64 J)	0.82 J (0.73 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/9/2024		ND	ND	0.76 J	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
PS-05A	11/20/2019		ND	ND	1.2 J	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	2.1 J	ND	0.59 BJ	ND	ND	ND	ND	ND	ND	ND	
	8/10/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	3/23/2021		ND	ND	ND	ND	ND	0.38J	ND	ND	ND	ND	ND	ND	
	5/25/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	8/16/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	11/8/2021		ND	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	5/23/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/8/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	3/29/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	6/26/2023		ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9/26/2023		ND	ND	0.56 J (0.53 J)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/8/2024		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6/4/2024		ND	ND	2.0J	ND	ND	ND	ND	ND	ND	ND	0.58 J	ND	ND	
9/16/2024		ND	ND	1.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	



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	DIETHYL PHTHALATE	DI-N-BUTYL PHTHALATE
		Class GA Standard (ug/L):	5	NA	7	5	5	NA	5	NA	NA	NA	50	50
RFI-20	11/20/2019		ND	ND	ND	5.9 B	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/2020		0.93 J	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/10/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 BJ	0.52 BJ
	5/25/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J
	8/16/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 J (0.35 J)
	11/8/2021		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J
	5/23/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3 B
	8/18/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/8/2022		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2023		ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND
	12/28/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/8/2024		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6/4/2024		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/16/2024		ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	0.43 (ND)
RFI-31A	11/20/2019		ND	ND	ND	12 B	ND	0.70 J	ND	ND	ND	ND	ND	ND
	3/5/2020		ND	ND	2.5 J	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND
	5/19/2020		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND
	8/10/2020		ND	ND	ND	ND	ND	1.3 J	2.3 J	0.46 J	ND	ND	0.33 BJ	0.51 BJ
	3/23/2021		ND	ND	ND	ND	ND	6.2J	ND	ND	ND	ND	ND	ND
	5/25/2021		ND	ND	ND	ND	ND	1.4J	ND	ND	ND	ND	ND	0.57J
	8/16/2021		ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
	11/8/2021		ND	ND	ND	ND	ND	1.4 J	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	ND	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	6.9 B
	8/18/2022		ND	ND	ND	ND	ND	0.51 JH	ND	ND	ND	ND	ND	ND
	12/8/2022		ND	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND
	3/29/2023		ND	ND	ND	4.7 J	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 BJ
	9/26/2023		ND	ND	ND	ND	ND	ND	2.1 J	ND	2.8 J	ND	ND	ND
12/28/2023		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2/8/2024		ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
6/4/2024		ND	ND	ND	ND	ND	ND	0.66 J	ND	2.9 J	ND	ND	ND	
9/16/2024		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	



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

Well ID	Sample Date	Analyte:	FLUORANTHENE	PYRENE	2-CHLOROPHENOL	N-NITROSODIPHENYLAMINE	PHENANTHRENE	Benzaldehyde	Naphthalene	Acetone	Nitrobenzene	Benzyl Butyl Phthalate	Carbon Disulfide	Chloromethane
		Class GA Standard (ug/L):	50	50	NA	50	50	NA	10	50	0.4	50	NA	5
RFI-20	11/20/2019	ND	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	ND
	5/19/2020	ND	ND	ND	ND	ND	0.53 BJ	ND	ND	ND	ND	ND	ND	ND
	8/10/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2021	ND	ND	ND	ND	ND	ND	ND	ND	5.9 J	ND	ND	ND	ND
	8/16/2021	ND	ND	ND	ND	ND	ND	ND	ND	6.7 J (6 J)	ND	ND	ND	ND
	11/8/2021	ND	ND	ND	ND	ND	ND	ND	ND	7.4 J	ND	ND	ND	ND
	5/23/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/18/2022	ND	ND	ND	ND	ND	0.64 JH	ND	ND	ND	ND	ND	ND	ND
	12/8/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	ND
	2/8/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/4/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/16/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
RFI-31A	11/20/2019	ND	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	ND
	5/19/2020	ND	ND	ND	ND	ND	0.48 BJ	ND	ND	ND	ND	ND	ND	ND
	8/10/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/23/2021	ND	ND	ND	ND	ND	ND	ND	ND	57 J	ND	ND	ND	ND
	5/25/2021	ND	ND	ND	1.1J	ND	ND	ND	ND	70 J	ND	ND	ND	ND
	8/16/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/2021	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/17/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/2022	ND	ND	ND	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	ND
	12/8/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/28/2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	
6/4/2024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9/16/2024	ND	ND	ND	0.54 J	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 parenthesis of the primary sample results. Exceedances for sample with primary/duplicate are based on the higher of the two values.



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

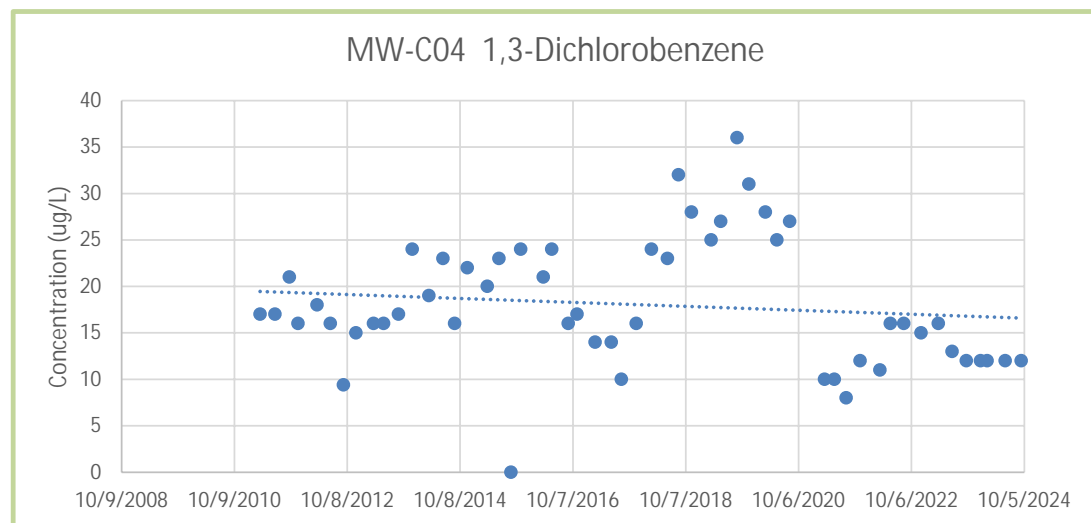
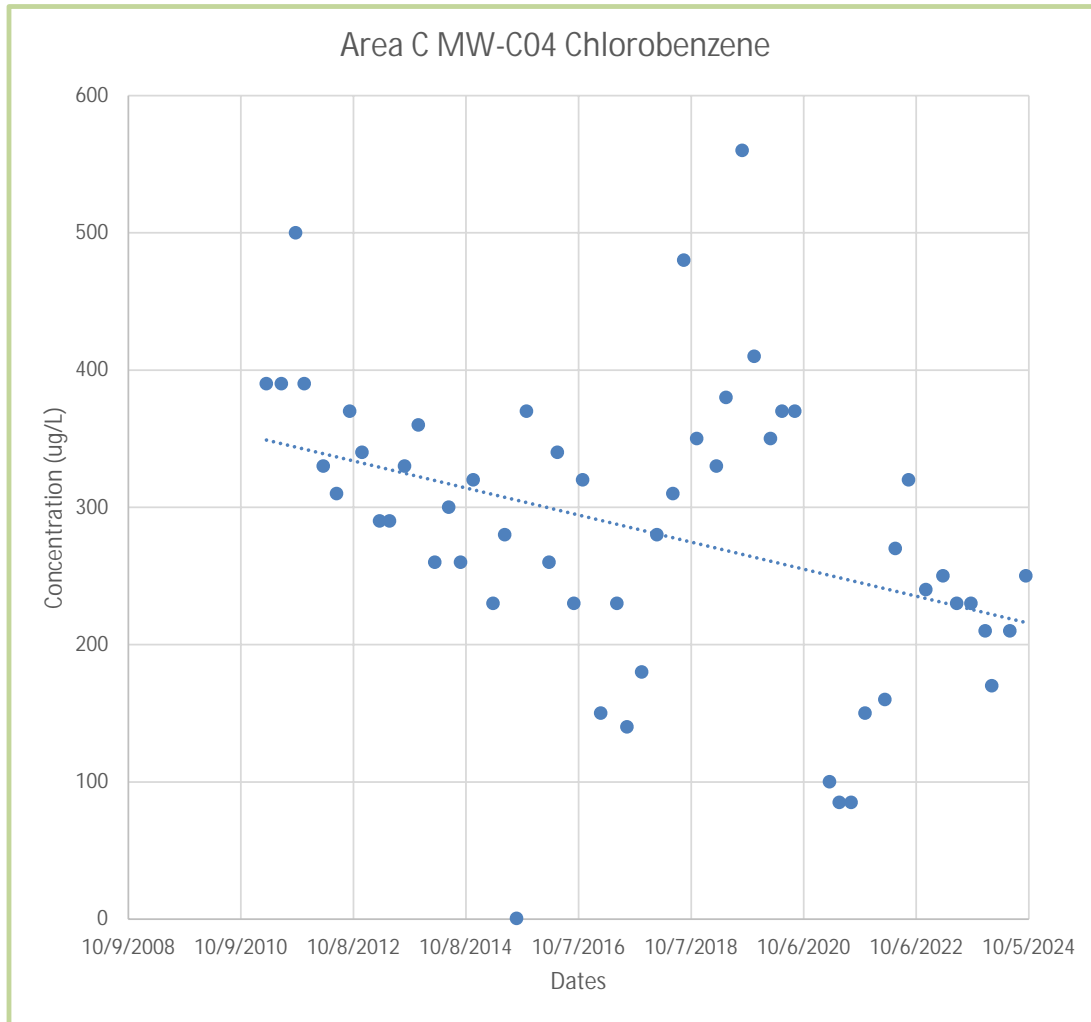




Table 2a  
MW-C04 Trend Graphs  
Area C  
Former Buffalo Color Corporation

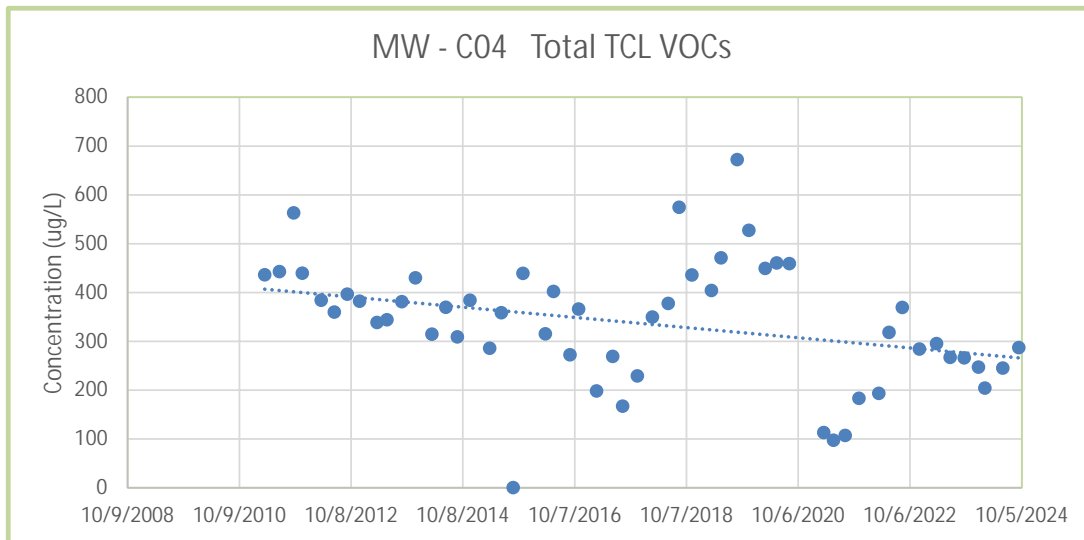
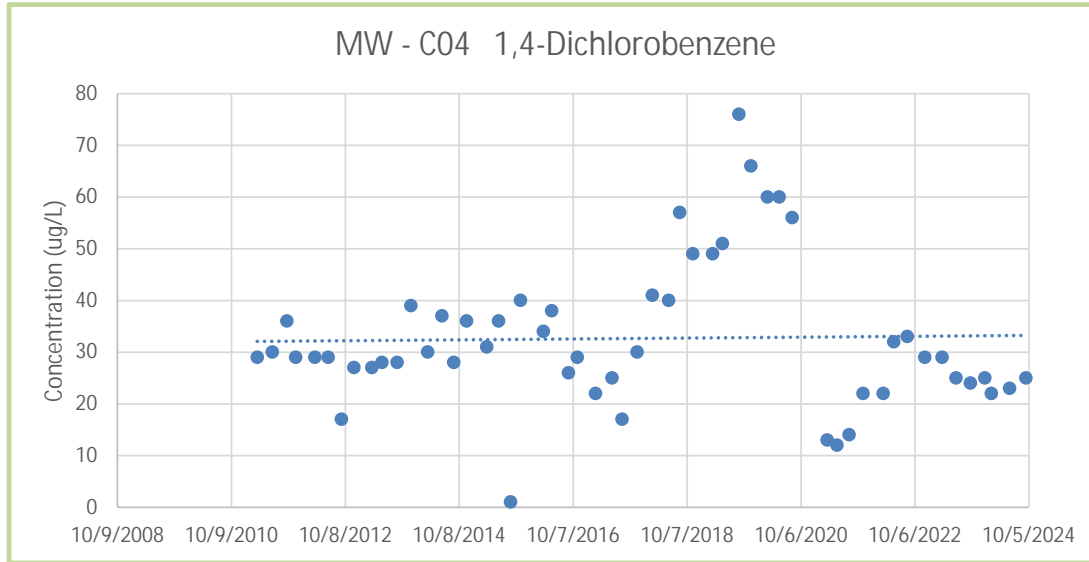








Table 2a (continued)  
Monitoring Well PS-05S Trend Graphs  
Area C  
Former Buffalo Color

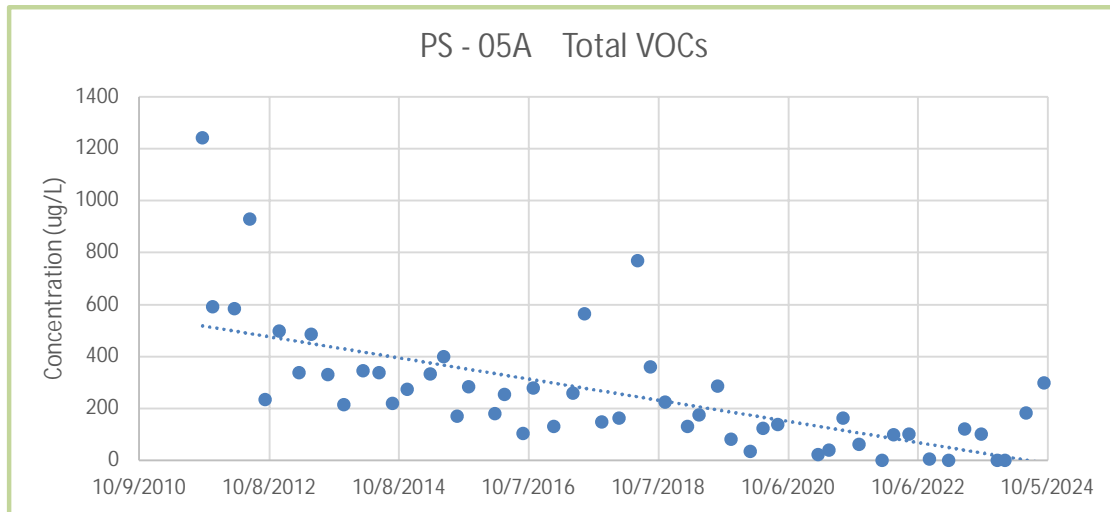
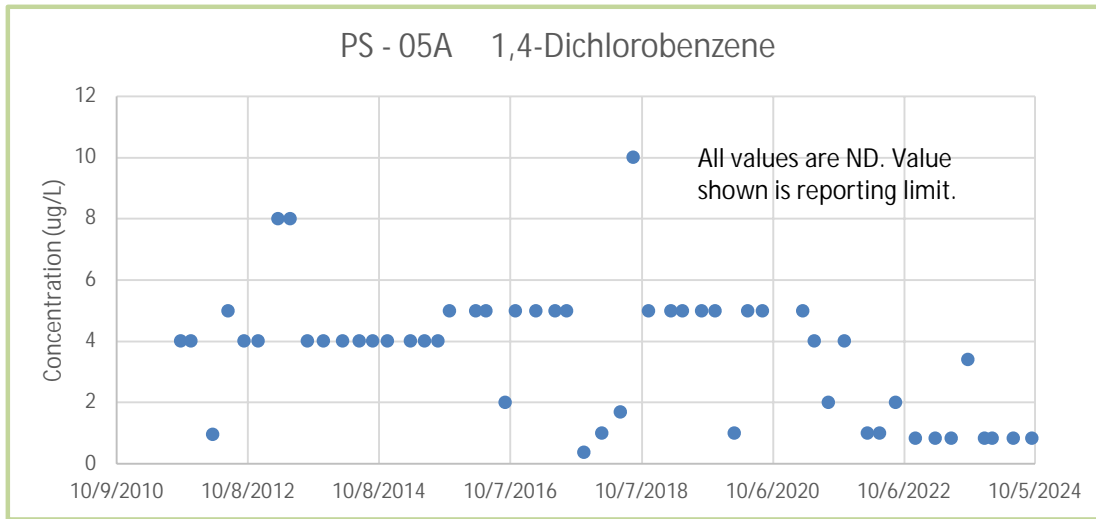




Table 2a (continued)  
Monitoring Well PS-05S Trend Graphs  
Area C  
Former Buffalo Color

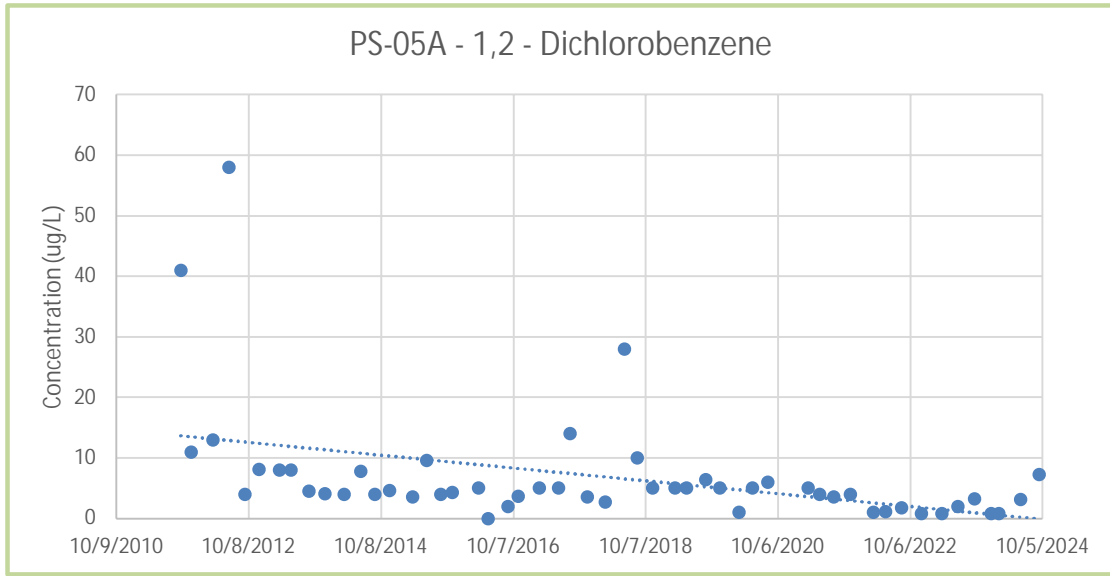




Table 2a (continued)  
 Monitoring Well RFI-20A Trend Graphs  
 Area C  
 Former Buffalo Color

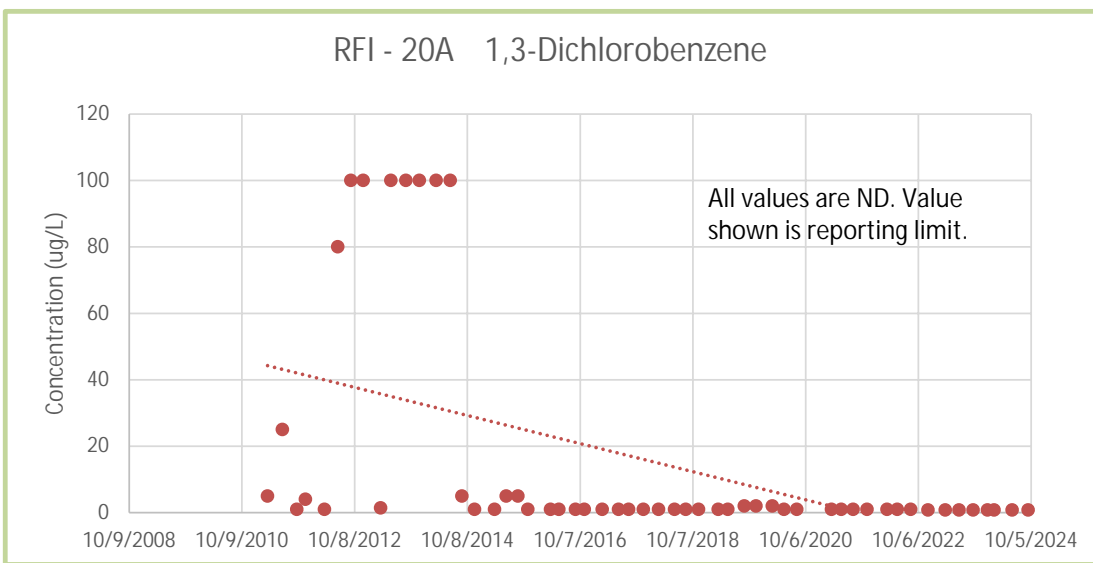
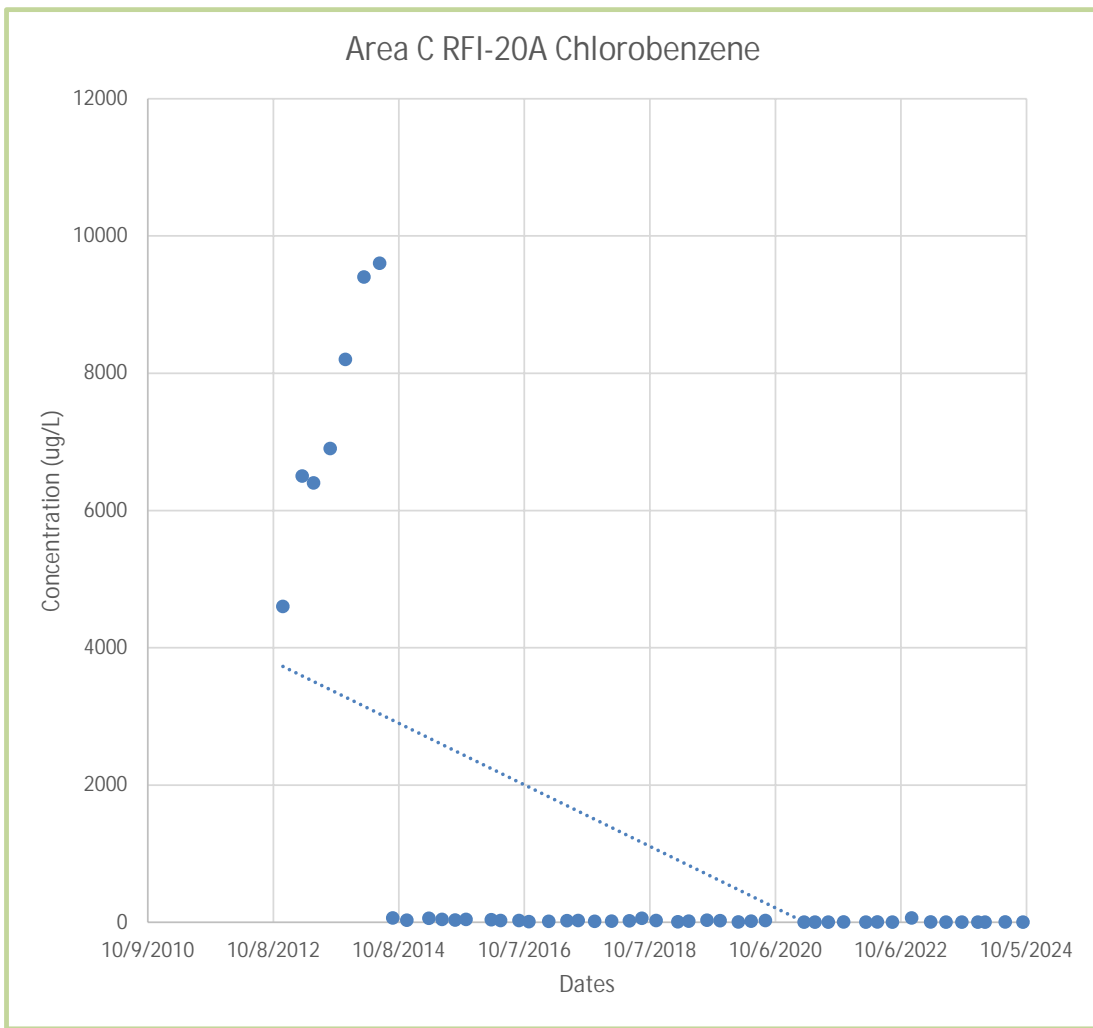






Table 2a (continued)  
Monitoring Well RFI-31A Trend Graphs  
Area C  
Former Buffalo Color Corporation  
Buffalo, New York

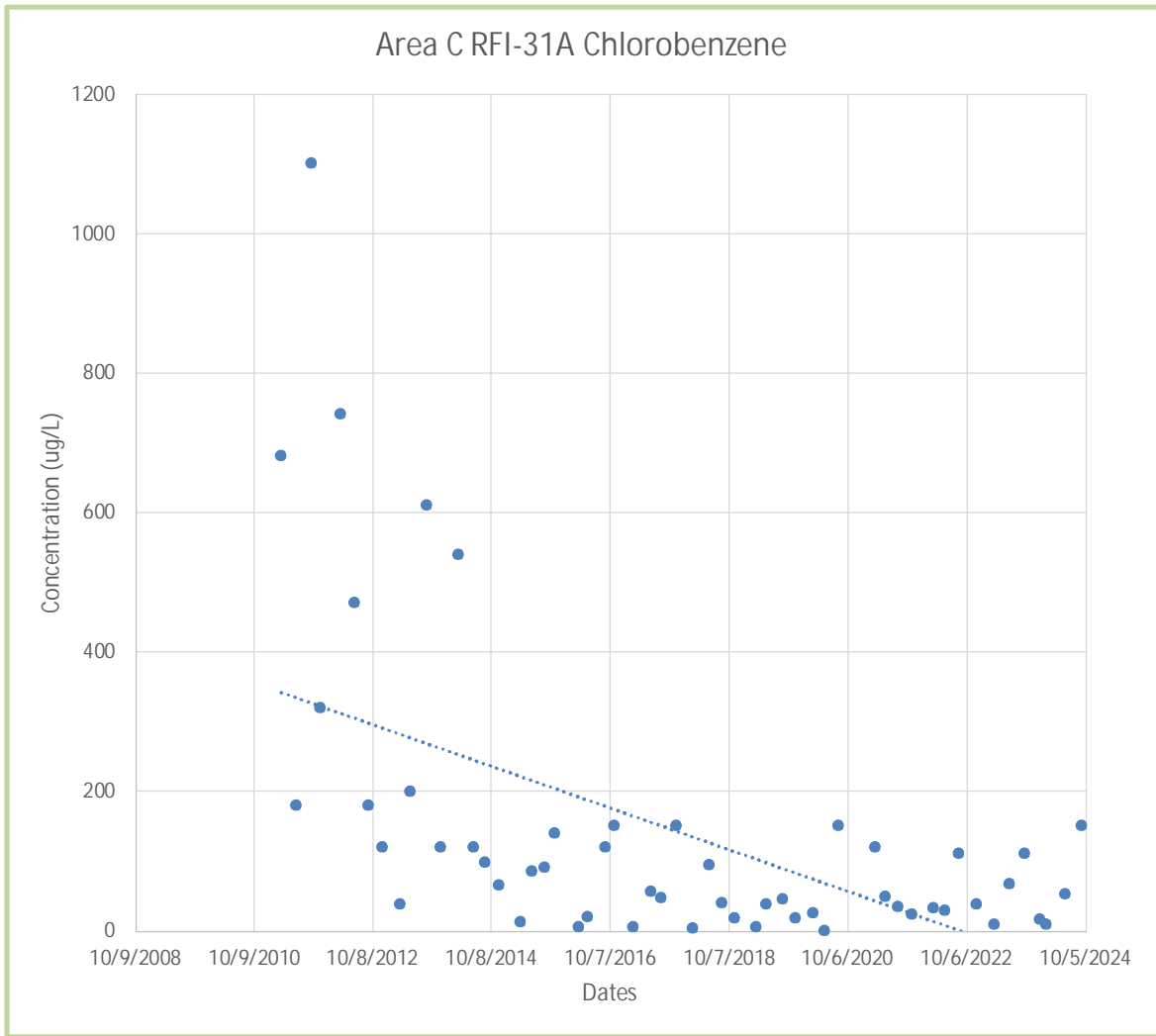




Table 2a (continued)  
Monitoring Well RFI-31A Trend Graphs  
Area C  
Former Buffalo Color Corporation  
Buffalo, New York

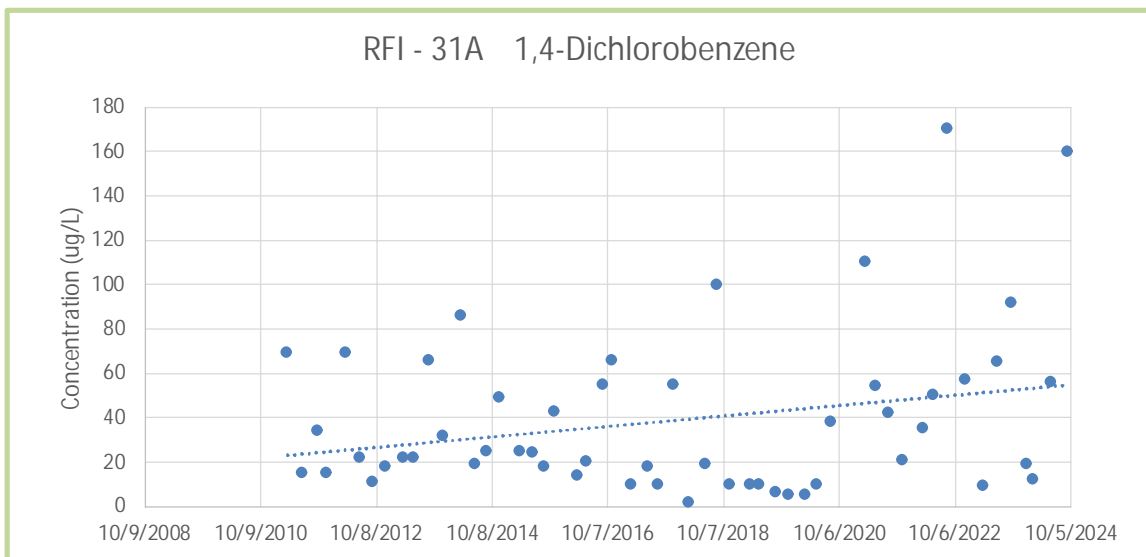
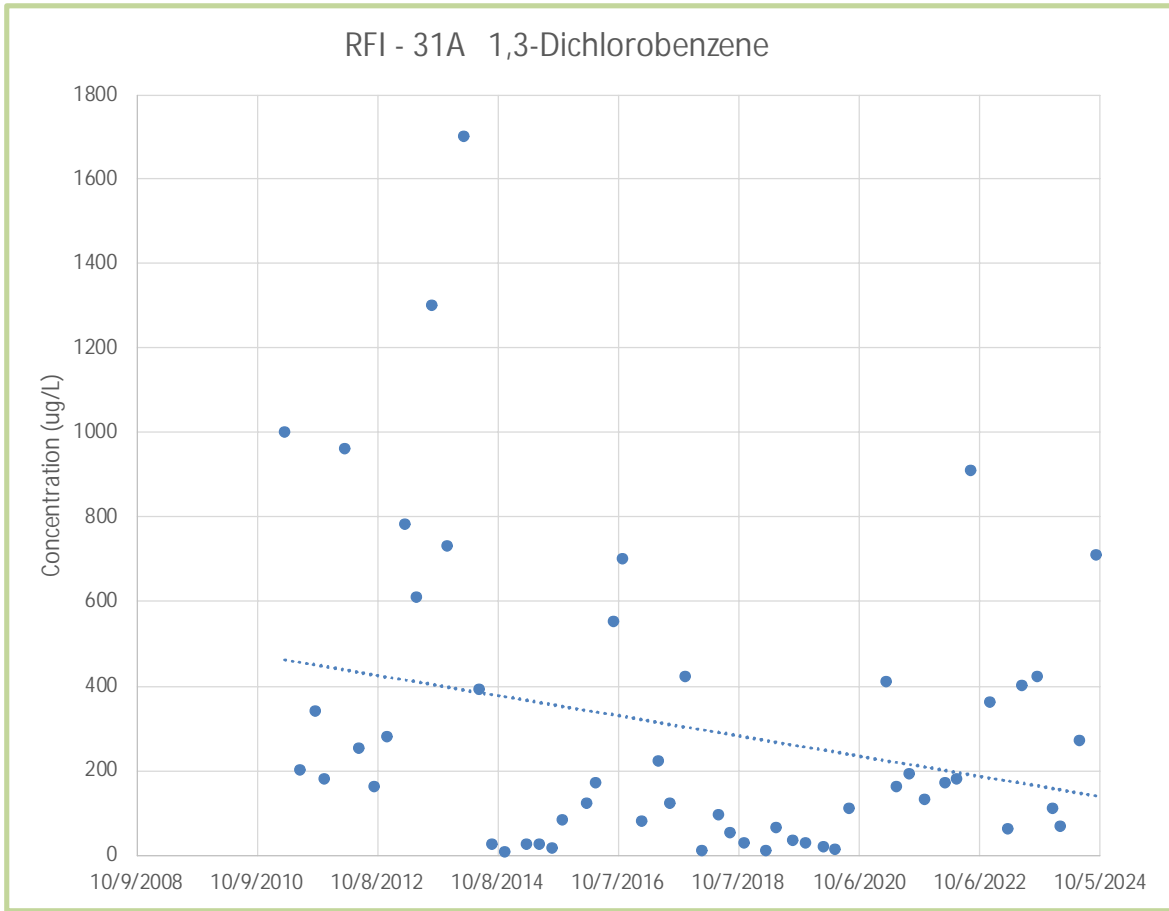




Table 2a (continued)  
Monitoring Well RFI-31A Trend Graphs  
Area C  
Former Buffalo Color Corporation  
Buffalo, New York

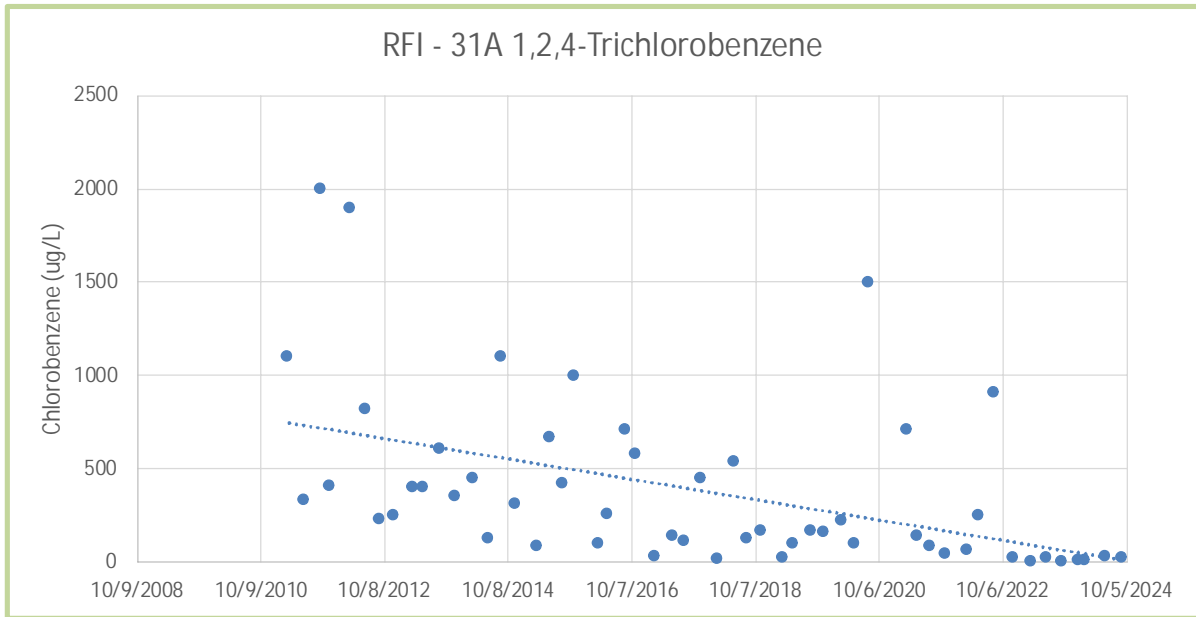
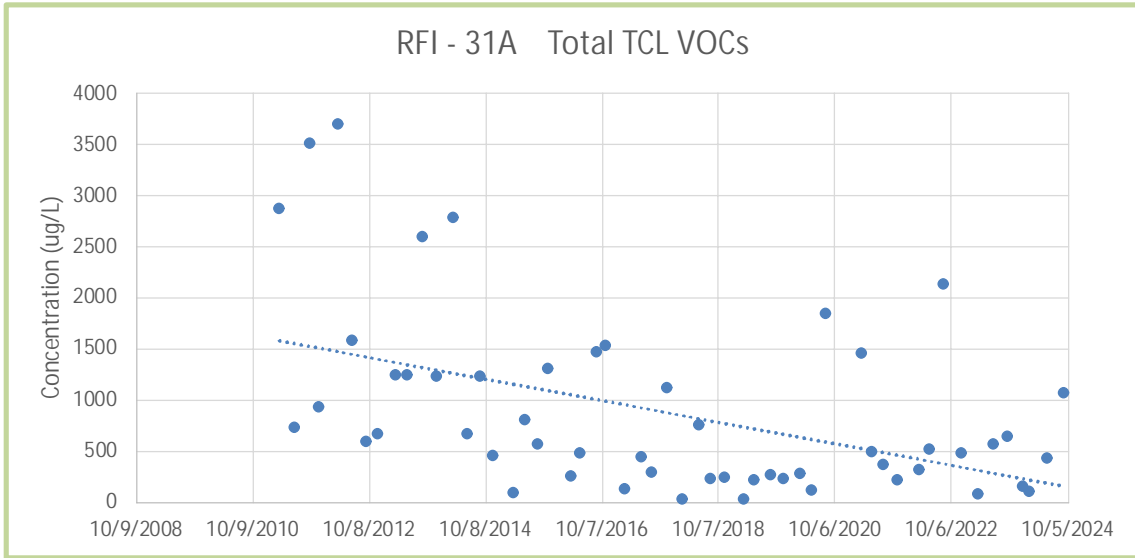
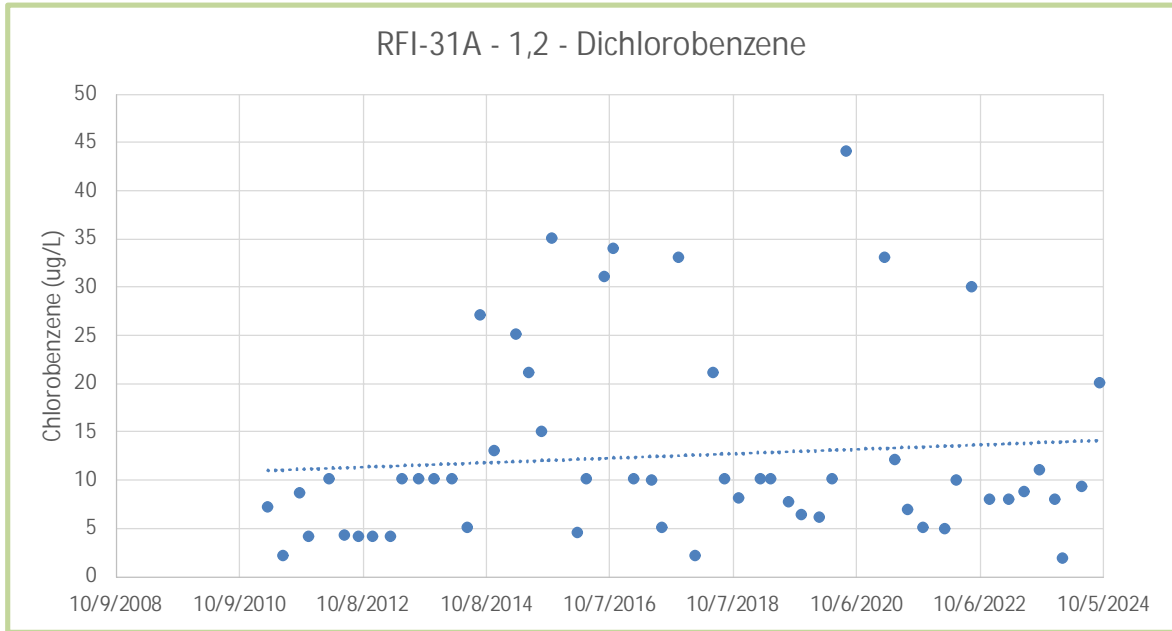




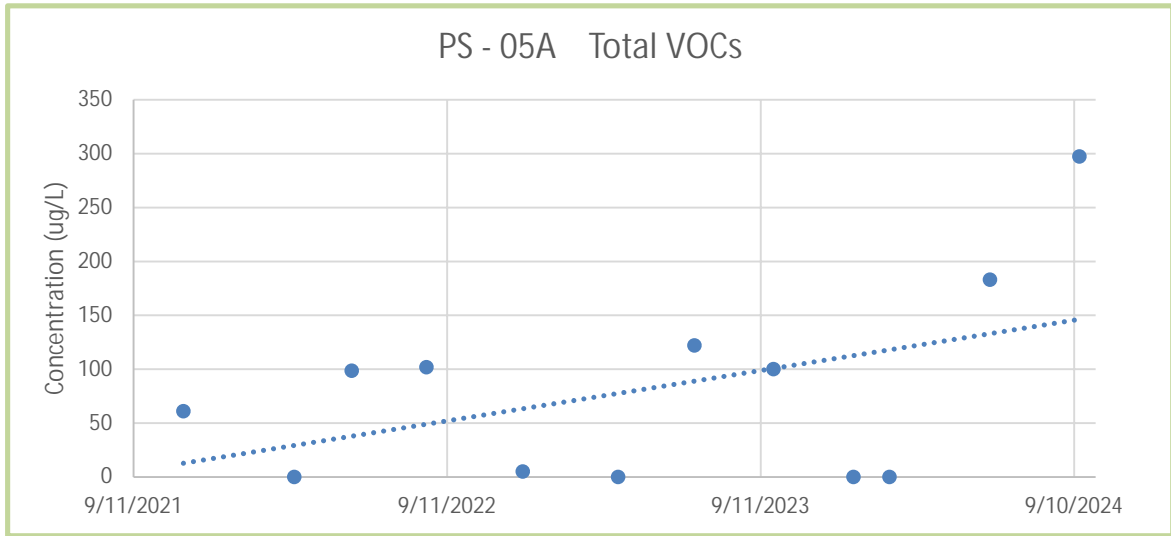
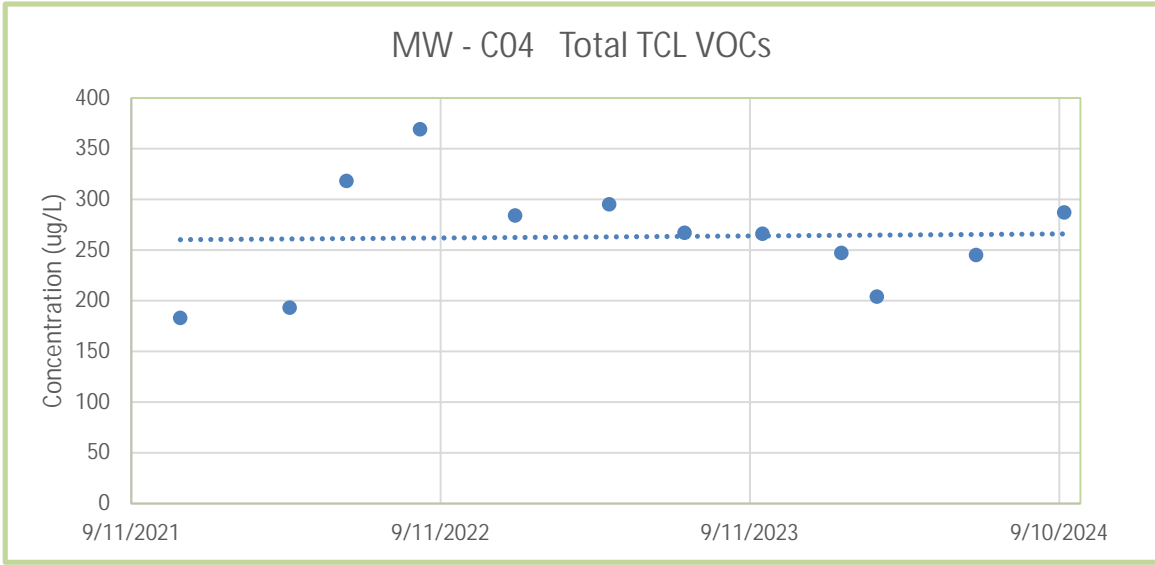
Table 2a (continued)  
Monitoring Well RFI-31A Trend Graphs  
Area C  
Former Buffalo Color Corporation  
Buffalo, New York







**Table 2B**  
**Total VOCs - Recent Trends**  
**Buffalo Color Corporation Area C**  
**Buffalo, NY**





**Table 2B**  
**Total VOCs - Recent Trends**  
**Buffalo Color Corporation Area C**  
**Buffalo, NY**

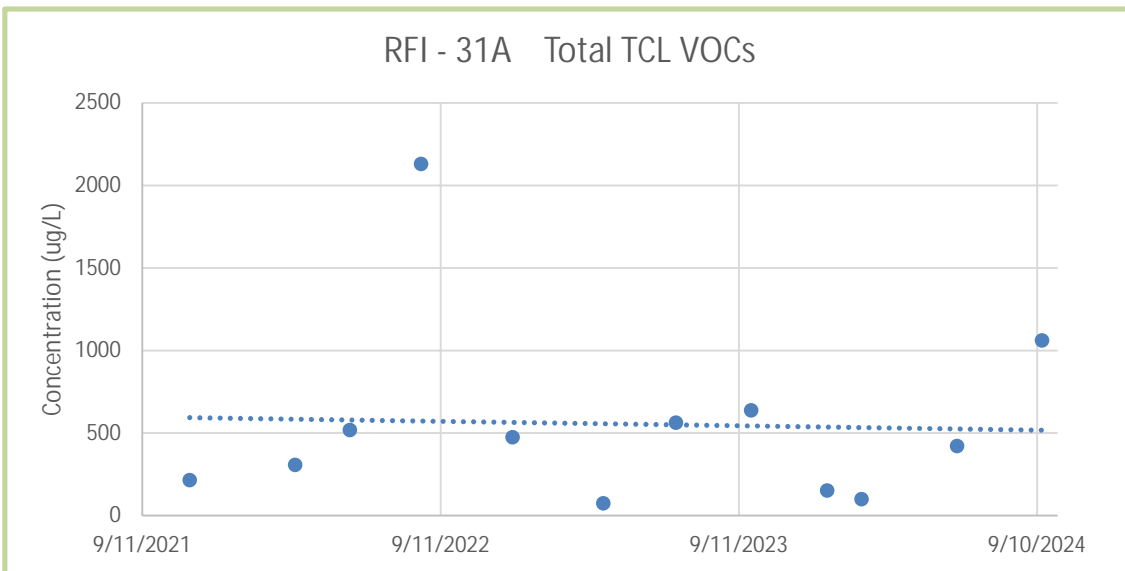
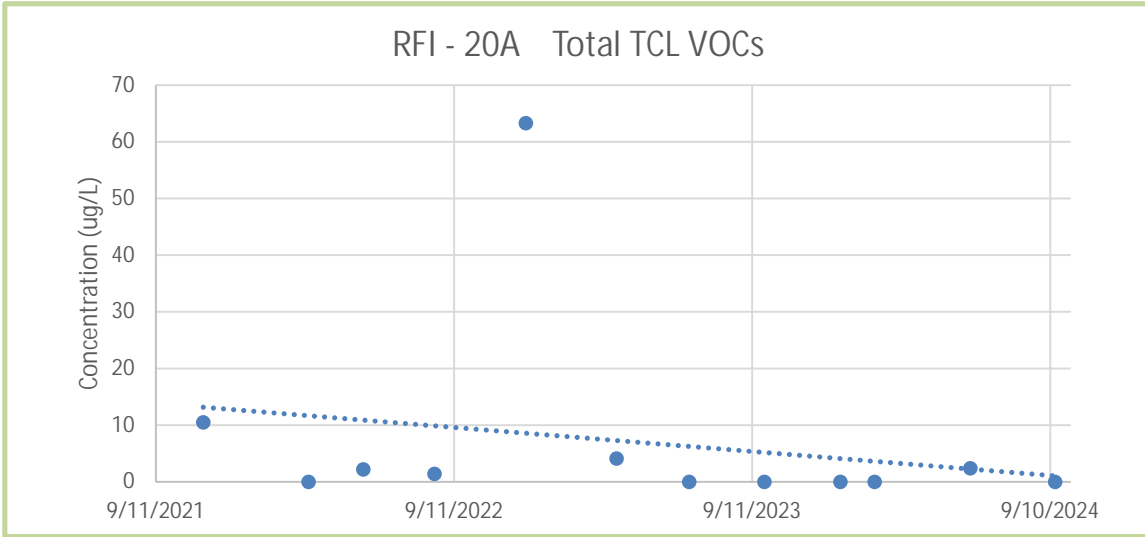




Table 3  
Area C Quarterly Inspection Summary

Pre-Inspection Data				Area C Cover System & Site-Wide Compliance Inspection											Area C Additional Notes					
Date	Associate(s)	Weather			Site Conditions	Cover System (OK / Comment)					Site-Wide Compliance (OK / Comment)									
		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
Fri 10/31/2023	Taylor Kunzelman	Overcast	None	No	Calm	36f	Damp	Low	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	OK	
Tue 11/28/2023	Taylor Kunzelman	Overcast	Snow	No	Moderate	25f	Damp	Low	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	OK	
Fri 12/29/2023	Taylor Kunzelman	Pt. Cloudy	None	No	Calm	41f	Wet	Low	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	OK	
Tue 1/30/2024	Taylor Kunzelman	Overcast	None	No	Calm	32f	Wet	MID	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	OK	
Thu 2/29/2024	Taylor Kunzelman	Clear	None	No	Moderate	23f	Damp	Low	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	OK	



Table 3  
Area C Quarterly Inspection Summary

Pre-Inspection Data				Area C Cover System & Site-Wide Compliance Inspection											Area C Additional Notes					
Date	Associate(s)	Weather			Site Conditions		Cover System (OK / Comment)					Site-Wide Compliance (OK / Comment)								
		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
		NYSDEC Invitation Extended (Yes / No / List Attendees)																		
Fri 3/29/2024	Taylor Kunzelman	No	Pt. Cloudy	No	Calm	42F	Damp	Low	OK	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	
Tue 4/30/2024	Taylor Kunzelman	No	Overcast	No	Calm	55F	Damp	Low	OK	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	
Fri 5/31/2024	Taylor Kunzelman	No	Clear	No	Calm	67F	Dry	Low	OK	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	
Fri 6/28/2024	Taylor Kunzelman	No	Clear	No	Calm	82F	Dry	Low	OK	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	
Mon 9/30/2024	Taylor Kunzelman	No	Clear	No	Calm	64F	Dry	Low	OK	OK	OK	OK	None	OK	OK	OK	OK	OK	OK	



Table 4

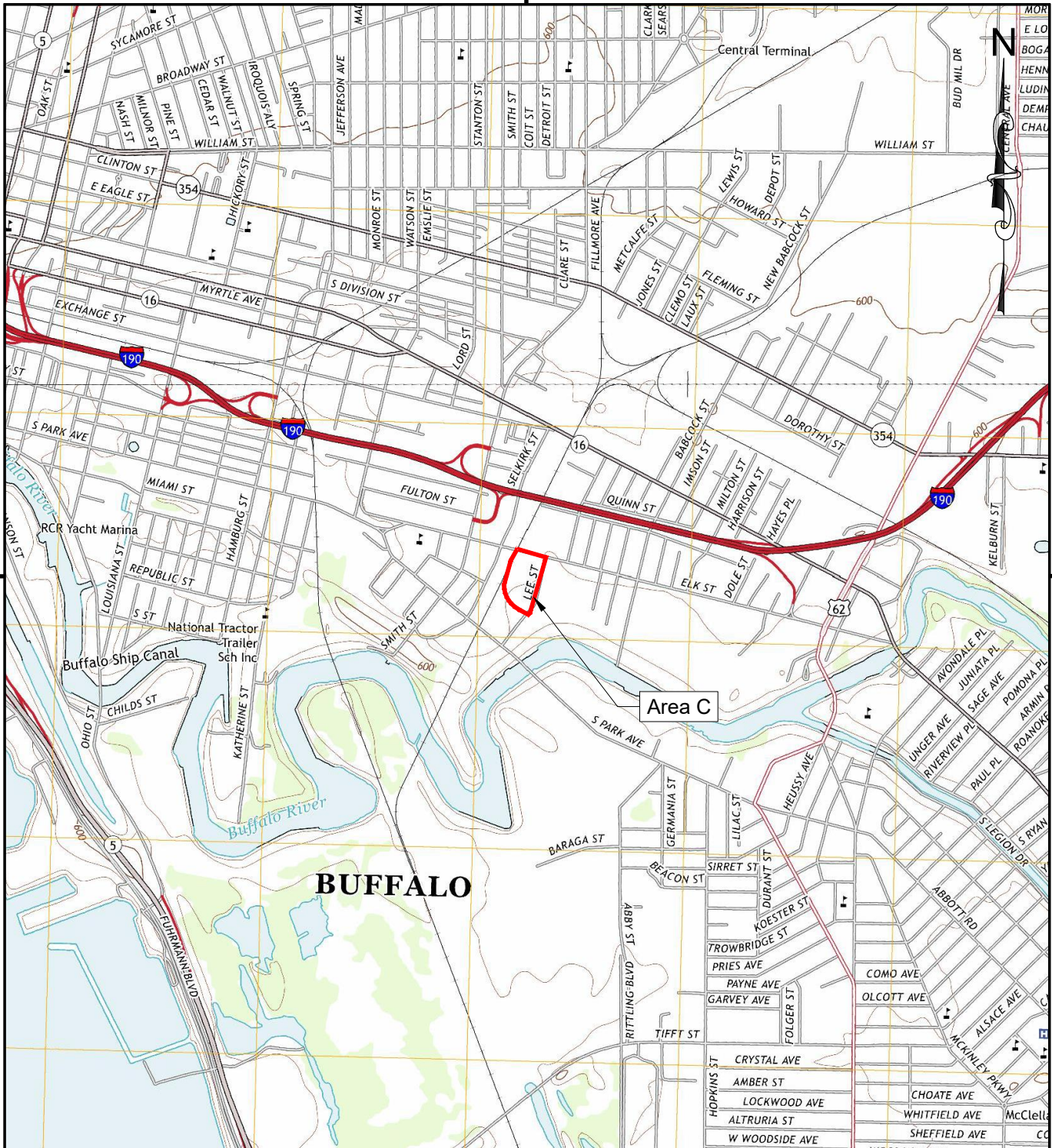
Groundwater Elevation Data  
Buffalo Color Area C  
Buffalo, New York

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	11/28/2023	587.78	4.71	ND	583.07	
4Q	AREA.C	PS-05A	11/28/2023	588.70	3.92	ND	584.78	
4Q	AREA.C	RFI-20A	11/28/2023	588.48	5.23	ND	583.25	
4Q	AREA.C	RFI-31A	11/28/2023	585.98	6.41	ND	579.57	
1Q	AREA.C	MW-C04	2/8/2024	587.78	5.43	ND	582.35	
1Q	AREA.C	PS-05A	2/8/2024	588.70	5.42	ND	583.28	
1Q	AREA.C	RFI-20	2/8/2024	588.48	6.17	ND	582.31	
1Q	AREA.C	RFI-31	2/8/2024	585.98	6.58	ND	579.40	
2Q	AREA.C	MW-C04	6/11/2024	587.78	5.76	ND	582.02	
2Q	AREA.C	PS-05A	6/11/2024	588.70	6.17	ND	582.53	
2Q	AREA.C	RFI-20	6/11/2024	588.48	6.71	ND	581.77	
2Q	AREA.C	RFI-31	6/11/2024	585.98	6.45	ND	579.53	
3Q	AREA.C	MW-C04	9/9/2024	587.78	6.02	ND	581.76	
3Q	AREA.C	PS-05A	9/9/2024	588.70	6.62	ND	582.08	
3Q	AREA.C	RFI-20	9/9/2024	588.48	7.61	ND	580.87	
3Q	AREA.C	RFI-31	9/9/2024	585.98	6.68	ND	579.30	

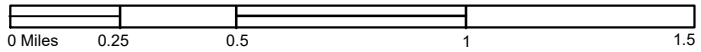
Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

## Figures





**SITE NAME:** Buffalo Color Corporation Site Area C  
**ADDRESS:** 229 Elk Street, Buffalo, New York  
**CLIENT:** South Buffalo Development



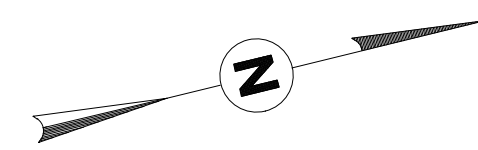
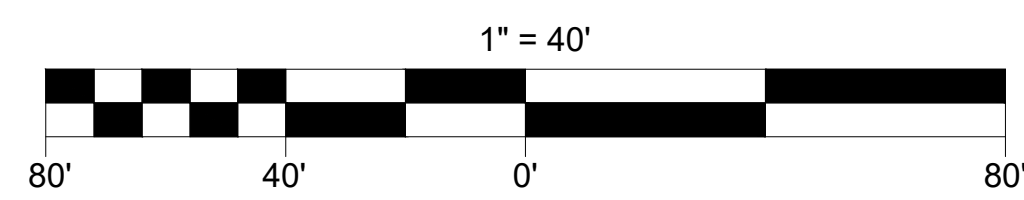
# A

<b>FIGURE 1</b> <small>DRAWING NUMBER</small>	<p><b>INVENTUM ENGINEERING</b>                  441 CARLISLE DRIVE                  SUITE C                  HERNDON, VIRGINIA 20170                  (703) 722-6049  <a href="http://www.inventumeng.com">www.inventumeng.com</a></p>	<p><b>SITE BOUNDARY</b></p> <p><b>BUFFALO COLOR CORPORATION SITE</b>                  AREA C</p> <p><b>229 ELK STREET</b>                  BUFFALO, NEW YORK</p>	<table border="1"> <tr> <td>DRAWING BY</td> <td>RB</td> </tr> <tr> <td>CHECKED</td> <td></td> </tr> <tr> <td>APPROVED</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;"> <small>PROPERTY OF INVENTUM ENGINEERING</small> </td> </tr> <tr> <td colspan="2"> <small>IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREIN IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY PARTNERS, FINANCIAL INSTITUTIONS, SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF INVENTUM ENGINEERING.</small> </td> </tr> <tr> <td colspan="2"> <small>NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IT IS A VIOLATION OF STATE AND FEDERAL LAWS FOR ANY PERSON OTHER THAN THE DESIGNER OR A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT IN ANY WAY.</small> </td> </tr> </table>	DRAWING BY	RB	CHECKED		APPROVED		<small>PROPERTY OF INVENTUM ENGINEERING</small>		<small>IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREIN IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY PARTNERS, FINANCIAL INSTITUTIONS, SUBCONTRACTORS AND SUPPLIERS WITHOUT THE WRITTEN CONSENT OF INVENTUM ENGINEERING.</small>		<small>NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IT IS A VIOLATION OF STATE AND FEDERAL LAWS FOR ANY PERSON OTHER THAN THE DESIGNER OR A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT IN ANY WAY.</small>	
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D



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 BUFFALO COLOR CORPORATION  
 SITE AREA C  
 229 ELK STREET  
 BUFFALO, NEW YORK

**INVENTUM ENGINEERING**  
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 SUITE C  
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**FIGURE 2**  
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**GROUNDWATER MONITORING NETWORK AND SAMPLE RESULTS**

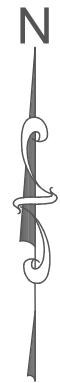
**BUFFALO COLOR CORPORATION SITE AREA C**

229 ELK STREET  
 BUFFALO, NY

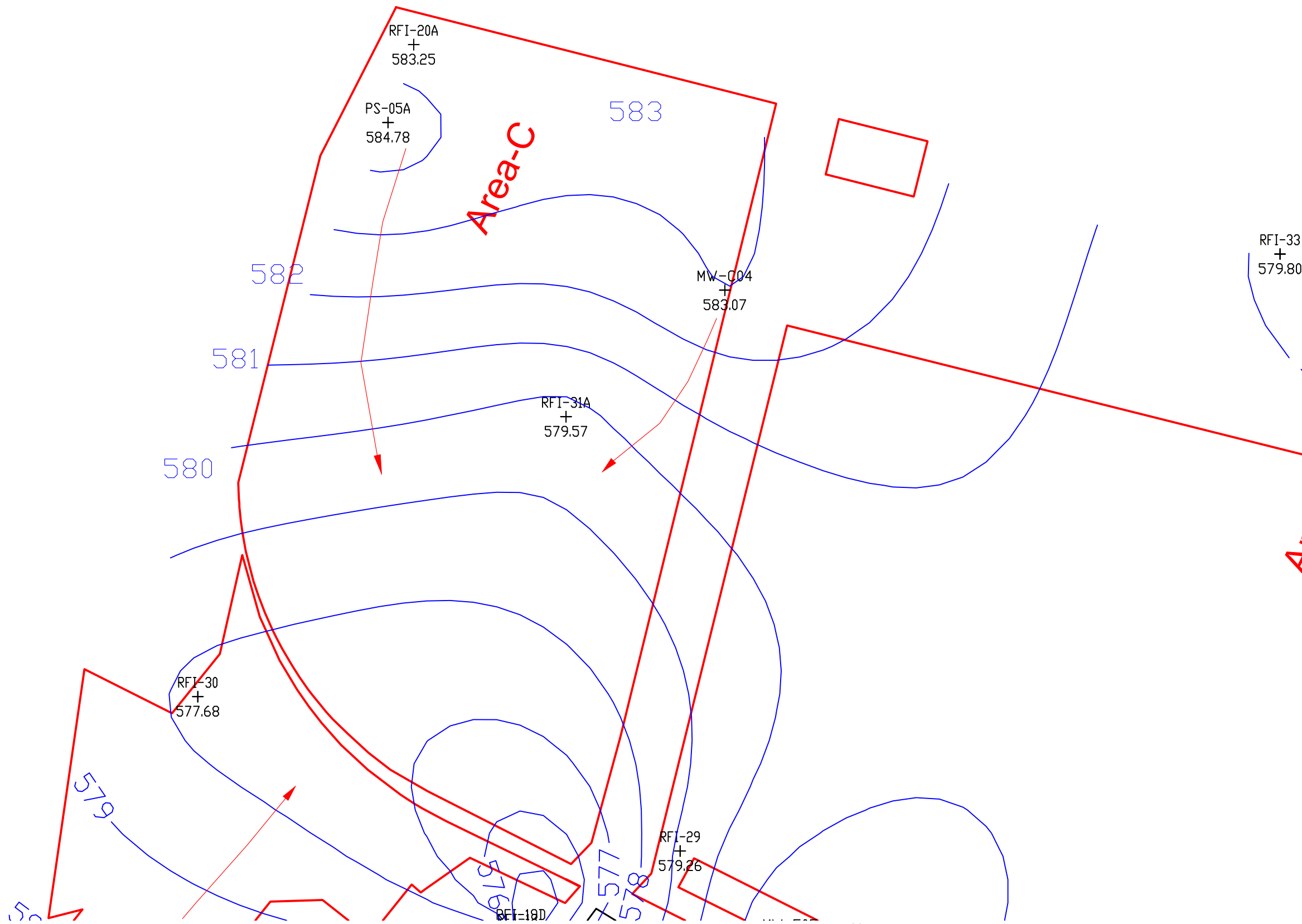
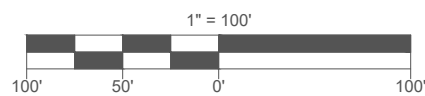
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**FIGURE 3**

DRAWING NUMBER



B



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

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RFI-33  
+  
579.80

RFI-33  
+  
579.80

FOURTH QUARTER 2023  
GROUNDWATER ELEVATION  
CONTOURS  
BUFFALO COLOR AREA-C

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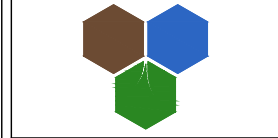
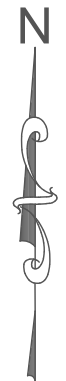
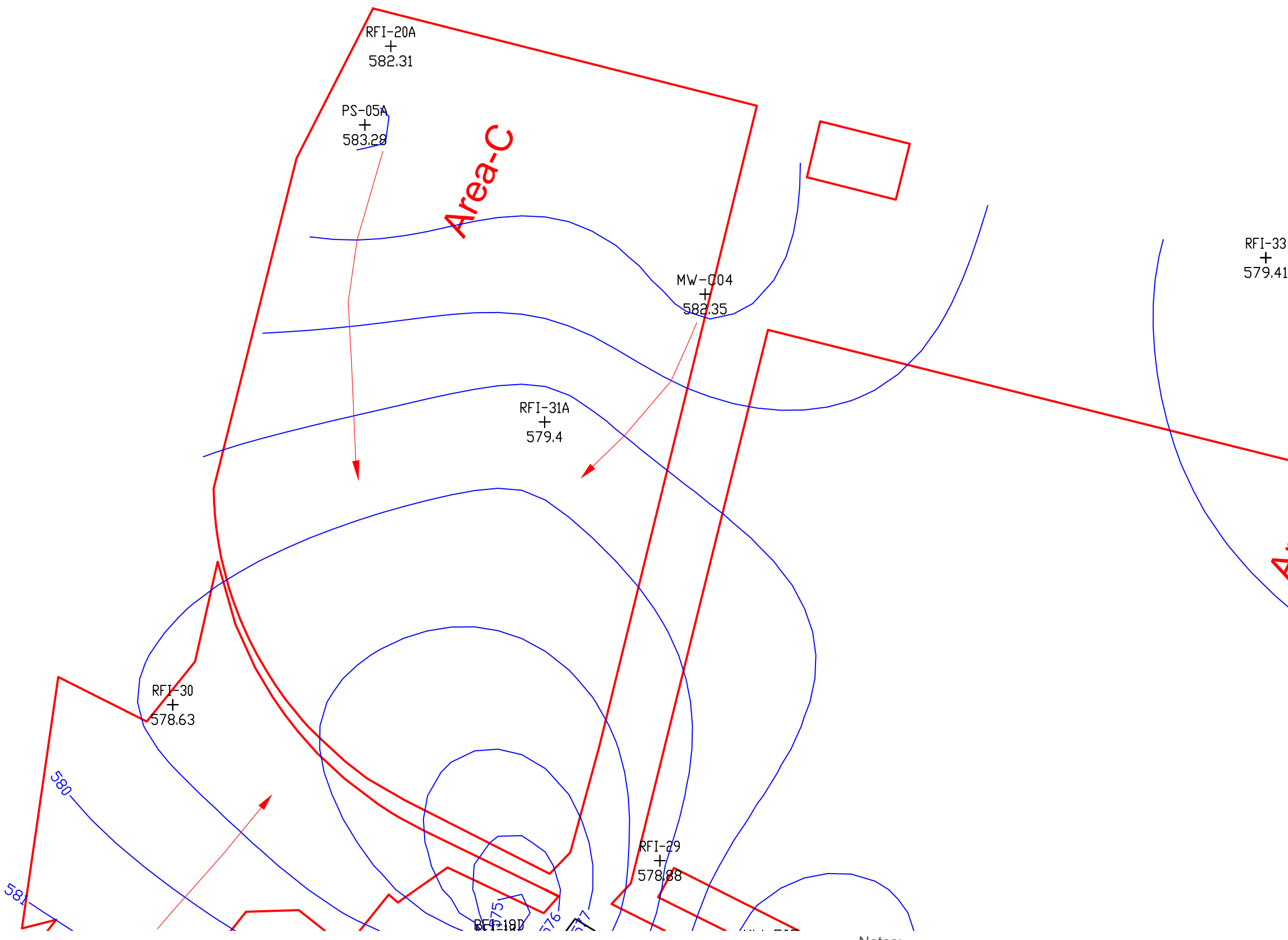
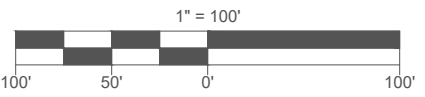


FIGURE 4

DRAWING NUMBER



B



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

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RFI-33  
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579.41

FIRST QUARTER 2024  
GROUNDWATER ELEVATION  
CONTOURS  
BUFFALO COLOR AREA-C

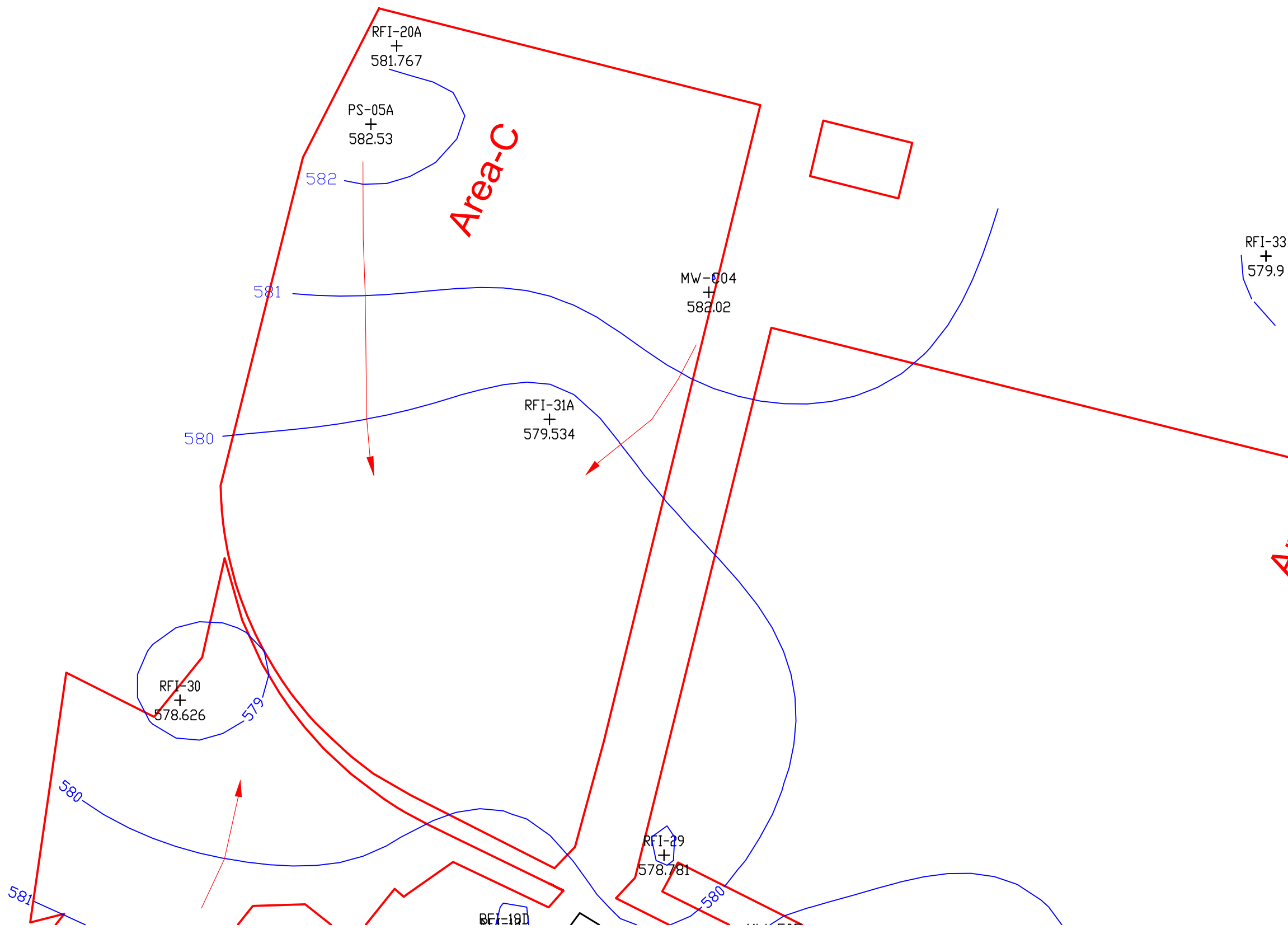
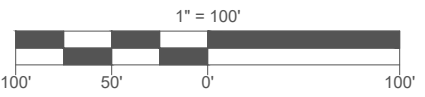


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FIGURE 5  
DRAWING NUMBER



B



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

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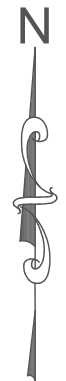
RFI-33  
+  
579.9

SECOND QUARTER 2024  
GROUNDWATER ELEVATION  
CONTOURS  
BUFFALO COLOR AREA-C

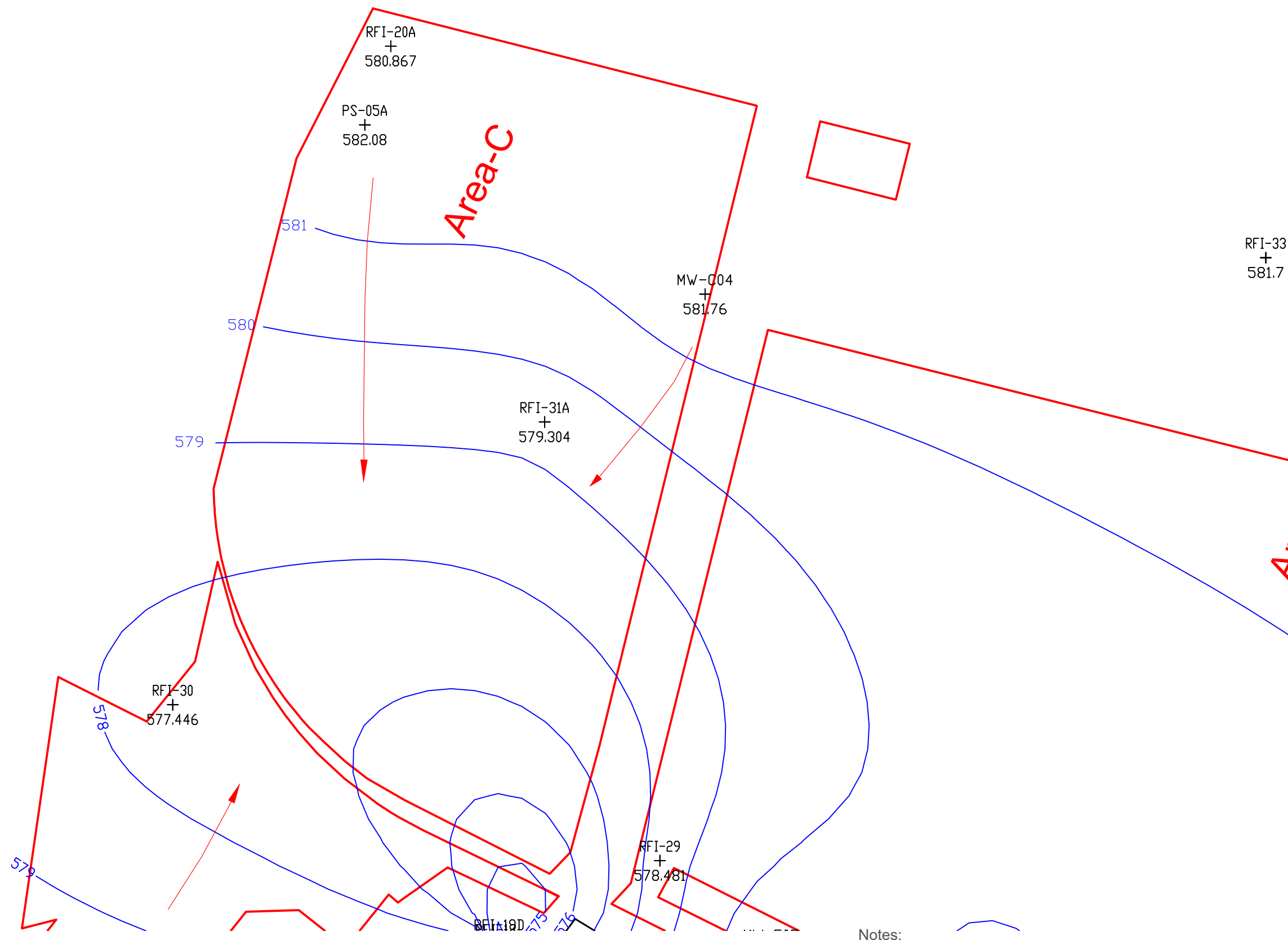
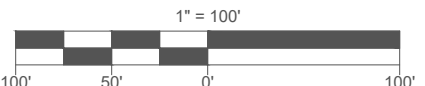
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FIGURE 6  
DRAWING NUMBER





B



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

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RFI-33  
+  
581.7

THIRD QUARTER 2024  
GROUNDWATER ELEVATION  
CONTOURS  
BUFFALO COLOR AREA-C

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FIGURE 7  
DRAWING NUMBER

Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

## Appendices



Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

Appendix A – Analytical Data





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 1/10/2024 1:39:35 PM

## JOB DESCRIPTION

Buffalo Color Area C Wells

## JOB NUMBER

480-216046-1



# Eurofins Buffalo

## Job Notes

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

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

## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	7
Client Sample Results . . . . .	9
Surrogate Summary . . . . .	31
QC Sample Results . . . . .	33
QC Association Summary . . . . .	51
Lab Chronicle . . . . .	54
Certification Summary . . . . .	56
Method Summary . . . . .	57
Sample Summary . . . . .	58
Chain of Custody . . . . .	59
Receipt Checklists . . . . .	60

# Definitions/Glossary

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

Job ID: 480-216046-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

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

Job ID: 480-216046-1

**Job ID: 480-216046-1**

**Eurofins Buffalo**

## Job Narrative 480-216046-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 12/28/2023 1:45 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 4.6° 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 (480-216046-2), BCC Area C MW-C04\_MS (480-216046-2[MS]) and BCC Area C MW-C04\_MSD (480-216046-2[MSD]). 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 MW-C04\_D (480-216046-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BCC Area C RFI-31A (480-216046-1). 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 480-697052 recovered above the upper control limit for Atrazine. 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 RFI-31A (480-216046-1), BCC Area C MW-C04 (480-216046-2), BCC Area C RFI-20A (480-216046-3), BCC Area C PS-05A (480-216046-4) and BCC Area C MW-C04\_D (480-216046-5).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-697052 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: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-697052 was outside criteria for the following analyte(s): Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-696880 and analytical batch 480-697052 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is 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 samples contained an allowable number of surrogate compounds outside limits: BCC Area C MW-C04 (480-216046-2), BCC Area C MW-C04\_MSD (480-216046-2[MSD]), BCC Area C RFI-20A (480-216046-3) and BCC Area C MW-C04\_D (480-216046-5). 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

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

Eurofins Buffalo

# Case Narrative

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

Job ID: 480-216046-1

**Job ID: 480-216046-1 (Continued)**

**Eurofins Buffalo**

## Organic Prep

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

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# Detection Summary

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

Job ID: 480-216046-1

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

## Lab Sample ID: 480-216046-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	6.8	J	10	4.1	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	110		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	19		10	8.4	ug/L	10		8260C	Total/NA
Chlorobenzene	16		10	7.5	ug/L	10		8260C	Total/NA
Barium	0.020		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	221		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.30		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	76.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.72		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0024	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	10.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1490		5.0	1.6	mg/L	5		6010C	Total/NA
Zinc	0.012		0.010	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-216046-2

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	25		8.0	6.7	ug/L	8		8260C	Total/NA
Chlorobenzene	210		8.0	6.0	ug/L	8		8260C	Total/NA
2,4-Dichlorophenol	0.89	J	5.0	0.51	ug/L	1		8270D	Total/NA
2-Chlorophenol	0.55	J	5.0	0.53	ug/L	1		8270D	Total/NA
N-Nitrosodiphenylamine	0.63	J	5.0	0.51	ug/L	1		8270D	Total/NA
Aluminum	0.076	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.58	F1	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	273		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0021	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	2.6		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	47.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.78	F1	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	12.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	136		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0031	J	0.010	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-216046-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.21	J	1.0	0.19	ug/L	1		8260C	Total/NA
Arsenic	0.034		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.081		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	235		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0038	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	41.5		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0077	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	18.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.54		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0013	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	8.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	62.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0015	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.023	B	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Detection Summary

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

Job ID: 480-216046-1

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

## Lab Sample ID: 480-216046-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.2		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.049		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	80.9		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0013	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0050	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.1		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0031	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	14.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.013		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0015	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	20.9		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0027	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0071	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: BCC Area C MW-C04\_D

## Lab Sample ID: 480-216046-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	14		4.0	3.1	ug/L	4		8260C	Total/NA
1,4-Dichlorobenzene	27		4.0	3.4	ug/L	4		8260C	Total/NA
Chlorobenzene	230		4.0	3.0	ug/L	4		8260C	Total/NA
N-Nitrosodiphenylamine	0.55	J	5.0	0.51	ug/L	1		8270D	Total/NA
Barium	0.64		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	306		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0049	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	3.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	45.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.86		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	13.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	139		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0031	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 480-216046-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.3		1.0	0.75	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216046-1**

Date Collected: 12/28/23 12:45

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/29/23 15:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/29/23 15:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/29/23 15:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/29/23 15:08	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/29/23 15:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/29/23 15:08	10
<b>1,2,4-Trichlorobenzene</b>	<b>6.8</b>	<b>J</b>	10	4.1	ug/L			12/29/23 15:08	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/29/23 15:08	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/29/23 15:08	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/29/23 15:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/29/23 15:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/29/23 15:08	10
<b>1,3-Dichlorobenzene</b>	<b>110</b>		10	7.8	ug/L			12/29/23 15:08	10
<b>1,4-Dichlorobenzene</b>	<b>19</b>		10	8.4	ug/L			12/29/23 15:08	10
2-Butanone (MEK)	ND		100	13	ug/L			12/29/23 15:08	10
2-Hexanone	ND		50	12	ug/L			12/29/23 15:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/29/23 15:08	10
Acetone	ND		100	30	ug/L			12/29/23 15:08	10
Benzene	ND		10	4.1	ug/L			12/29/23 15:08	10
Bromodichloromethane	ND		10	3.9	ug/L			12/29/23 15:08	10
Bromoform	ND		10	2.6	ug/L			12/29/23 15:08	10
Bromomethane	ND		10	6.9	ug/L			12/29/23 15:08	10
Carbon disulfide	ND		10	1.9	ug/L			12/29/23 15:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/29/23 15:08	10
<b>Chlorobenzene</b>	<b>16</b>		10	7.5	ug/L			12/29/23 15:08	10
Chloroethane	ND		10	3.2	ug/L			12/29/23 15:08	10
Chloroform	ND		10	3.4	ug/L			12/29/23 15:08	10
Chloromethane	ND		10	3.5	ug/L			12/29/23 15:08	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/29/23 15:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/29/23 15:08	10
Cyclohexane	ND		10	1.8	ug/L			12/29/23 15:08	10
Dibromochloromethane	ND		10	3.2	ug/L			12/29/23 15:08	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/29/23 15:08	10
Ethylbenzene	ND		10	7.4	ug/L			12/29/23 15:08	10
Isopropylbenzene	ND		10	7.9	ug/L			12/29/23 15:08	10
Methyl acetate	ND		25	13	ug/L			12/29/23 15:08	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/29/23 15:08	10
Methylcyclohexane	ND		10	1.6	ug/L			12/29/23 15:08	10
Methylene Chloride	ND		10	4.4	ug/L			12/29/23 15:08	10
Styrene	ND		10	7.3	ug/L			12/29/23 15:08	10
Tetrachloroethene	ND		10	3.6	ug/L			12/29/23 15:08	10
Toluene	ND		10	5.1	ug/L			12/29/23 15:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/29/23 15:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/29/23 15:08	10
Trichloroethene	ND		10	4.6	ug/L			12/29/23 15:08	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/29/23 15:08	10
Vinyl chloride	ND		10	9.0	ug/L			12/29/23 15:08	10
Xylenes, Total	ND		20	6.6	ug/L			12/29/23 15:08	10



# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216046-1**

**Date Collected: 12/28/23 12:45**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/29/23 15:08	10
4-Bromofluorobenzene (Surr)	98		73 - 120		12/29/23 15:08	10
Toluene-d8 (Surr)	98		80 - 120		12/29/23 15:08	10
Dibromofluoromethane (Surr)	94		75 - 123		12/29/23 15:08	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 21:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Nitroaniline	ND		10	0.42	ug/L		01/02/24 14:11	01/04/24 21:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 21:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 21:48	1
3-Nitroaniline	ND		10	0.48	ug/L		01/02/24 14:11	01/04/24 21:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Methylphenol	ND		10	0.36	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Nitroaniline	ND		10	0.25	ug/L		01/02/24 14:11	01/04/24 21:48	1
4-Nitrophenol	ND		10	1.5	ug/L		01/02/24 14:11	01/04/24 21:48	1
Acenaphthene	ND		5.0	0.41	ug/L		01/02/24 14:11	01/04/24 21:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/02/24 14:11	01/04/24 21:48	1
Acetophenone	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 21:48	1
Aniline	ND		10	0.61	ug/L		01/02/24 14:11	01/04/24 21:48	1
Anthracene	ND		5.0	0.28	ug/L		01/02/24 14:11	01/04/24 21:48	1
Atrazine	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 21:48	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/02/24 14:11	01/04/24 21:48	1
Biphenyl	ND		5.0	0.65	ug/L		01/02/24 14:11	01/04/24 21:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/02/24 14:11	01/04/24 21:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 21:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 21:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 21:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/02/24 14:11	01/04/24 21:48	1
Caprolactam	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 21:48	1
Carbazole	ND		5.0	0.30	ug/L		01/02/24 14:11	01/04/24 21:48	1

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216046-1**

Date Collected: 12/28/23 12:45

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		01/02/24 14:11	01/04/24 21:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/02/24 14:11	01/04/24 21:48	1
Dibenzofuran	ND		10	0.51	ug/L		01/02/24 14:11	01/04/24 21:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/02/24 14:11	01/04/24 21:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 21:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/02/24 14:11	01/04/24 21:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 21:48	1
Fluoranthene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 21:48	1
Fluorene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 21:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 21:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/02/24 14:11	01/04/24 21:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 21:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 21:48	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 21:48	1
Isophorone	ND		5.0	0.43	ug/L		01/02/24 14:11	01/04/24 21:48	1
Naphthalene	ND		5.0	0.76	ug/L		01/02/24 14:11	01/04/24 21:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/02/24 14:11	01/04/24 21:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 21:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 21:48	1
Pentachlorophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 21:48	1
Phenanthrene	ND		5.0	0.44	ug/L		01/02/24 14:11	01/04/24 21:48	1
Phenol	ND		5.0	0.39	ug/L		01/02/24 14:11	01/04/24 21:48	1
Pyrene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	115		41 - 120	01/02/24 14:11	01/04/24 21:48	1
2-Fluorobiphenyl	100		48 - 120	01/02/24 14:11	01/04/24 21:48	1
2-Fluorophenol	74		35 - 120	01/02/24 14:11	01/04/24 21:48	1
Nitrobenzene-d5	95		46 - 120	01/02/24 14:11	01/04/24 21:48	1
Phenol-d5	55		22 - 120	01/02/24 14:11	01/04/24 21:48	1
p-Terphenyl-d14	80		60 - 148	01/02/24 14:11	01/04/24 21:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		01/02/24 07:52	01/04/24 14:42	1
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 19:06	1
Arsenic	ND		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 19:06	1
Barium	0.020		0.0020	0.00070	mg/L		01/02/24 07:52	01/03/24 17:19	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/05/24 12:30	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 19:06	1
Calcium	221		0.50	0.10	mg/L		01/02/24 07:52	01/03/24 17:19	1
Chromium	ND		0.0040	0.0010	mg/L		01/02/24 07:52	01/04/24 14:42	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 19:06	1
Copper	ND		0.010	0.0016	mg/L		01/02/24 07:52	01/02/24 19:06	1
Iron	0.30		0.050	0.019	mg/L		01/02/24 07:52	01/03/24 17:19	1
Lead	ND		0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 19:06	1
Magnesium	76.1		0.20	0.043	mg/L		01/02/24 07:52	01/04/24 14:42	1
Manganese	0.72		0.0030	0.00040	mg/L		01/02/24 07:52	01/03/24 17:19	1
Nickel	0.0024	J	0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 19:06	1
Potassium	10.9		0.50	0.10	mg/L		01/02/24 07:52	01/04/24 14:42	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216046-1**

Date Collected: 12/28/23 12:45

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 19:06	1
Silver	ND		0.0060	0.0017	mg/L		01/02/24 07:52	01/03/24 17:19	1
<b>Sodium</b>	<b>1490</b>		5.0	1.6	mg/L		01/02/24 07:52	01/04/24 14:46	5
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 19:06	1
Vanadium	ND		0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 19:06	1
<b>Zinc</b>	<b>0.012</b>		0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 19:06	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:20	1



# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216046-2**

Date Collected: 12/28/23 09:15

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			12/29/23 13:57	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			12/29/23 13:57	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			12/29/23 13:57	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			12/29/23 13:57	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			12/29/23 13:57	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			12/29/23 13:57	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			12/29/23 13:57	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			12/29/23 13:57	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			12/29/23 13:57	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			12/29/23 13:57	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			12/29/23 13:57	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			12/29/23 13:57	8
<b>1,3-Dichlorobenzene</b>	<b>12</b>		8.0	6.2	ug/L			12/29/23 13:57	8
<b>1,4-Dichlorobenzene</b>	<b>25</b>		8.0	6.7	ug/L			12/29/23 13:57	8
2-Butanone (MEK)	ND		80	11	ug/L			12/29/23 13:57	8
2-Hexanone	ND		40	9.9	ug/L			12/29/23 13:57	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			12/29/23 13:57	8
Acetone	ND		80	24	ug/L			12/29/23 13:57	8
Benzene	ND		8.0	3.3	ug/L			12/29/23 13:57	8
Bromodichloromethane	ND		8.0	3.1	ug/L			12/29/23 13:57	8
Bromoform	ND		8.0	2.1	ug/L			12/29/23 13:57	8
Bromomethane	ND		8.0	5.5	ug/L			12/29/23 13:57	8
Carbon disulfide	ND		8.0	1.5	ug/L			12/29/23 13:57	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			12/29/23 13:57	8
<b>Chlorobenzene</b>	<b>210</b>		8.0	6.0	ug/L			12/29/23 13:57	8
Chloroethane	ND		8.0	2.6	ug/L			12/29/23 13:57	8
Chloroform	ND		8.0	2.7	ug/L			12/29/23 13:57	8
Chloromethane	ND		8.0	2.8	ug/L			12/29/23 13:57	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			12/29/23 13:57	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			12/29/23 13:57	8
Cyclohexane	ND		8.0	1.4	ug/L			12/29/23 13:57	8
Dibromochloromethane	ND		8.0	2.6	ug/L			12/29/23 13:57	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			12/29/23 13:57	8
Ethylbenzene	ND		8.0	5.9	ug/L			12/29/23 13:57	8
Isopropylbenzene	ND		8.0	6.3	ug/L			12/29/23 13:57	8
Methyl acetate	ND		20	10	ug/L			12/29/23 13:57	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			12/29/23 13:57	8
Methylcyclohexane	ND		8.0	1.3	ug/L			12/29/23 13:57	8
Methylene Chloride	ND		8.0	3.5	ug/L			12/29/23 13:57	8
Styrene	ND		8.0	5.8	ug/L			12/29/23 13:57	8
Tetrachloroethene	ND		8.0	2.9	ug/L			12/29/23 13:57	8
Toluene	ND		8.0	4.1	ug/L			12/29/23 13:57	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			12/29/23 13:57	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			12/29/23 13:57	8
Trichloroethene	ND		8.0	3.7	ug/L			12/29/23 13:57	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			12/29/23 13:57	8
Vinyl chloride	ND		8.0	7.2	ug/L			12/29/23 13:57	8
Xylenes, Total	ND		16	5.3	ug/L			12/29/23 13:57	8

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216046-2**

**Date Collected: 12/28/23 09:15**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/29/23 13:57	8
4-Bromofluorobenzene (Surr)	104		73 - 120		12/29/23 13:57	8
Toluene-d8 (Surr)	99		80 - 120		12/29/23 13:57	8
Dibromofluoromethane (Surr)	103		75 - 123		12/29/23 13:57	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 20:54	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/02/24 14:11	01/04/24 20:54	1
<b>2,4-Dichlorophenol</b>	<b>0.89</b>	<b>J</b>	5.0	0.51	ug/L		01/02/24 14:11	01/04/24 20:54	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/02/24 14:11	01/04/24 20:54	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 20:54	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 20:54	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 20:54	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 20:54	1
<b>2-Chlorophenol</b>	<b>0.55</b>	<b>J</b>	5.0	0.53	ug/L		01/02/24 14:11	01/04/24 20:54	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/02/24 14:11	01/04/24 20:54	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 20:54	1
2-Nitroaniline	ND		10	0.42	ug/L		01/02/24 14:11	01/04/24 20:54	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 20:54	1
3,3'-Dichlorobenzidine	ND	F1	5.0	0.40	ug/L		01/02/24 14:11	01/04/24 20:54	1
3-Nitroaniline	ND	F1	10	0.48	ug/L		01/02/24 14:11	01/04/24 20:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Methylphenol	ND		10	0.36	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Nitroaniline	ND		10	0.25	ug/L		01/02/24 14:11	01/04/24 20:54	1
4-Nitrophenol	ND		10	1.5	ug/L		01/02/24 14:11	01/04/24 20:54	1
Acenaphthene	ND		5.0	0.41	ug/L		01/02/24 14:11	01/04/24 20:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/02/24 14:11	01/04/24 20:54	1
Acetophenone	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 20:54	1
Aniline	ND	F1 F2	10	0.61	ug/L		01/02/24 14:11	01/04/24 20:54	1
Anthracene	ND		5.0	0.28	ug/L		01/02/24 14:11	01/04/24 20:54	1
Atrazine	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 20:54	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/02/24 14:11	01/04/24 20:54	1
Biphenyl	ND		5.0	0.65	ug/L		01/02/24 14:11	01/04/24 20:54	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/02/24 14:11	01/04/24 20:54	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 20:54	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 20:54	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 20:54	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/02/24 14:11	01/04/24 20:54	1
Caprolactam	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 20:54	1
Carbazole	ND		5.0	0.30	ug/L		01/02/24 14:11	01/04/24 20:54	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216046-2**

Date Collected: 12/28/23 09:15

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		01/02/24 14:11	01/04/24 20:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/02/24 14:11	01/04/24 20:54	1
Dibenzofuran	ND		10	0.51	ug/L		01/02/24 14:11	01/04/24 20:54	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/02/24 14:11	01/04/24 20:54	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 20:54	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/02/24 14:11	01/04/24 20:54	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 20:54	1
Fluoranthene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 20:54	1
Fluorene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 20:54	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 20:54	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/02/24 14:11	01/04/24 20:54	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 20:54	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 20:54	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 20:54	1
Isophorone	ND		5.0	0.43	ug/L		01/02/24 14:11	01/04/24 20:54	1
Naphthalene	ND		5.0	0.76	ug/L		01/02/24 14:11	01/04/24 20:54	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/02/24 14:11	01/04/24 20:54	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 20:54	1
<b>N-Nitrosodiphenylamine</b>	<b>0.63</b>	<b>J</b>	5.0	0.51	ug/L		01/02/24 14:11	01/04/24 20:54	1
Pentachlorophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 20:54	1
Phenanthrene	ND		5.0	0.44	ug/L		01/02/24 14:11	01/04/24 20:54	1
Phenol	ND		5.0	0.39	ug/L		01/02/24 14:11	01/04/24 20:54	1
Pyrene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	125	S1+	41 - 120	01/02/24 14:11	01/04/24 20:54	1
2-Fluorobiphenyl	108		48 - 120	01/02/24 14:11	01/04/24 20:54	1
2-Fluorophenol	76		35 - 120	01/02/24 14:11	01/04/24 20:54	1
Nitrobenzene-d5	104		46 - 120	01/02/24 14:11	01/04/24 20:54	1
Phenol-d5	57		22 - 120	01/02/24 14:11	01/04/24 20:54	1
p-Terphenyl-d14	80		60 - 148	01/02/24 14:11	01/04/24 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.076</b>	<b>J</b>	0.20	0.060	mg/L		01/02/24 07:52	01/04/24 14:49	1
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 19:09	1
Arsenic	ND		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Barium</b>	<b>0.58</b>	<b>F1</b>	0.0020	0.00070	mg/L		01/02/24 07:52	01/03/24 17:22	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/05/24 12:34	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Calcium</b>	<b>273</b>		0.50	0.10	mg/L		01/02/24 07:52	01/03/24 17:22	1
Chromium	ND		0.0040	0.0010	mg/L		01/02/24 07:52	01/04/24 14:49	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Copper</b>	<b>0.0021</b>	<b>J</b>	0.010	0.0016	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Iron</b>	<b>2.6</b>		0.050	0.019	mg/L		01/02/24 07:52	01/03/24 17:22	1
Lead	ND		0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Magnesium</b>	<b>47.0</b>		0.20	0.043	mg/L		01/02/24 07:52	01/04/24 14:49	1
<b>Manganese</b>	<b>0.78</b>	<b>F1</b>	0.0030	0.00040	mg/L		01/02/24 07:52	01/03/24 17:22	1
Nickel	ND		0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Potassium</b>	<b>12.8</b>		0.50	0.10	mg/L		01/02/24 07:52	01/04/24 14:49	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216046-2**

Date Collected: 12/28/23 09:15

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 19:09	1
Silver	ND		0.0060	0.0017	mg/L		01/02/24 07:52	01/03/24 17:22	1
<b>Sodium</b>	<b>136</b>		1.0	0.32	mg/L		01/02/24 07:52	01/03/24 17:22	1
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 19:09	1
Vanadium	ND		0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 19:09	1
<b>Zinc</b>	<b>0.0031</b>	<b>J</b>	0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 19:09	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:21	1





# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216046-3**

Date Collected: 12/28/23 10:30

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/29/23 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/29/23 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/29/23 15:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/29/23 15:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/29/23 15:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/29/23 15:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/29/23 15:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/29/23 15:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/29/23 15:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/29/23 15:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/29/23 15:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/29/23 15:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/29/23 15:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/29/23 15:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/29/23 15:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/29/23 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/29/23 15:31	1
Acetone	ND		10	3.0	ug/L			12/29/23 15:31	1
Benzene	ND		1.0	0.41	ug/L			12/29/23 15:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/29/23 15:31	1
Bromoform	ND		1.0	0.26	ug/L			12/29/23 15:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/29/23 15:31	1
<b>Carbon disulfide</b>	<b>0.21</b>	<b>J</b>	1.0	0.19	ug/L			12/29/23 15:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/29/23 15:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/29/23 15:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/29/23 15:31	1
Chloroform	ND		1.0	0.34	ug/L			12/29/23 15:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/29/23 15:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/29/23 15:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/29/23 15:31	1
Cyclohexane	ND		1.0	0.18	ug/L			12/29/23 15:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/29/23 15:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/23 15:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/29/23 15:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/29/23 15:31	1
Methyl acetate	ND		2.5	1.3	ug/L			12/29/23 15:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/29/23 15:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/29/23 15:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/29/23 15:31	1
Styrene	ND		1.0	0.73	ug/L			12/29/23 15:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/29/23 15:31	1
Toluene	ND		1.0	0.51	ug/L			12/29/23 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/29/23 15:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/29/23 15:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/29/23 15:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/29/23 15:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/29/23 15:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/29/23 15:31	1



# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216046-3**

**Date Collected: 12/28/23 10:30**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/29/23 15:31	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/29/23 15:31	1
Toluene-d8 (Surr)	100		80 - 120		12/29/23 15:31	1
Dibromofluoromethane (Surr)	97		75 - 123		12/29/23 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		01/02/24 14:11	01/04/24 22:15	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Chlorophenol	ND		5.2	0.55	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Methylphenol	ND		5.2	0.42	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Nitroaniline	ND		10	0.44	ug/L		01/02/24 14:11	01/04/24 22:15	1
2-Nitrophenol	ND		5.2	0.50	ug/L		01/02/24 14:11	01/04/24 22:15	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		01/02/24 14:11	01/04/24 22:15	1
3-Nitroaniline	ND		10	0.50	ug/L		01/02/24 14:11	01/04/24 22:15	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Chloroaniline	ND		5.2	0.61	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Methylphenol	ND		10	0.38	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Nitroaniline	ND		10	0.26	ug/L		01/02/24 14:11	01/04/24 22:15	1
4-Nitrophenol	ND		10	1.6	ug/L		01/02/24 14:11	01/04/24 22:15	1
Acenaphthene	ND		5.2	0.43	ug/L		01/02/24 14:11	01/04/24 22:15	1
Acenaphthylene	ND		5.2	0.40	ug/L		01/02/24 14:11	01/04/24 22:15	1
Acetophenone	ND		5.2	0.56	ug/L		01/02/24 14:11	01/04/24 22:15	1
Aniline	ND		10	0.64	ug/L		01/02/24 14:11	01/04/24 22:15	1
Anthracene	ND		5.2	0.29	ug/L		01/02/24 14:11	01/04/24 22:15	1
Atrazine	ND		5.2	0.48	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzaldehyde	ND		5.2	0.28	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		01/02/24 14:11	01/04/24 22:15	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		01/02/24 14:11	01/04/24 22:15	1
Biphenyl	ND		5.2	0.68	ug/L		01/02/24 14:11	01/04/24 22:15	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		01/02/24 14:11	01/04/24 22:15	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		01/02/24 14:11	01/04/24 22:15	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		01/02/24 14:11	01/04/24 22:15	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		01/02/24 14:11	01/04/24 22:15	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		01/02/24 14:11	01/04/24 22:15	1
Caprolactam	ND		5.2	2.3	ug/L		01/02/24 14:11	01/04/24 22:15	1
Carbazole	ND		5.2	0.31	ug/L		01/02/24 14:11	01/04/24 22:15	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216046-3**

Date Collected: 12/28/23 10:30

Matrix: Ground Water

Date Received: 12/28/23 13:45

**Method: SW846 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		01/02/24 14:11	01/04/24 22:15	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		01/02/24 14:11	01/04/24 22:15	1
Dibenzofuran	ND		10	0.53	ug/L		01/02/24 14:11	01/04/24 22:15	1
Diethyl phthalate	ND		5.2	0.23	ug/L		01/02/24 14:11	01/04/24 22:15	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		01/02/24 14:11	01/04/24 22:15	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		01/02/24 14:11	01/04/24 22:15	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		01/02/24 14:11	01/04/24 22:15	1
Fluoranthene	ND		5.2	0.42	ug/L		01/02/24 14:11	01/04/24 22:15	1
Fluorene	ND		5.2	0.38	ug/L		01/02/24 14:11	01/04/24 22:15	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		01/02/24 14:11	01/04/24 22:15	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		01/02/24 14:11	01/04/24 22:15	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		01/02/24 14:11	01/04/24 22:15	1
Hexachloroethane	ND		5.2	0.61	ug/L		01/02/24 14:11	01/04/24 22:15	1
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L		01/02/24 14:11	01/04/24 22:15	1
Isophorone	ND		5.2	0.45	ug/L		01/02/24 14:11	01/04/24 22:15	1
Naphthalene	ND		5.2	0.79	ug/L		01/02/24 14:11	01/04/24 22:15	1
Nitrobenzene	ND		5.2	0.30	ug/L		01/02/24 14:11	01/04/24 22:15	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		01/02/24 14:11	01/04/24 22:15	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		01/02/24 14:11	01/04/24 22:15	1
Pentachlorophenol	ND		10	2.3	ug/L		01/02/24 14:11	01/04/24 22:15	1
Phenanthrene	ND		5.2	0.46	ug/L		01/02/24 14:11	01/04/24 22:15	1
Phenol	ND		5.2	0.41	ug/L		01/02/24 14:11	01/04/24 22:15	1
Pyrene	ND		5.2	0.35	ug/L		01/02/24 14:11	01/04/24 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	128	S1+	41 - 120	01/02/24 14:11	01/04/24 22:15	1
2-Fluorobiphenyl	115		48 - 120	01/02/24 14:11	01/04/24 22:15	1
2-Fluorophenol	86		35 - 120	01/02/24 14:11	01/04/24 22:15	1
Nitrobenzene-d5	114		46 - 120	01/02/24 14:11	01/04/24 22:15	1
Phenol-d5	64		22 - 120	01/02/24 14:11	01/04/24 22:15	1
p-Terphenyl-d14	102		60 - 148	01/02/24 14:11	01/04/24 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		01/02/24 07:52	01/02/24 19:37	1
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Arsenic</b>	<b>0.034</b>		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Barium</b>	<b>0.081</b>		0.0020	0.00070	mg/L		01/02/24 07:52	01/02/24 19:37	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/02/24 19:37	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Calcium</b>	<b>235</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:37	1
Chromium	ND		0.0040	0.0010	mg/L		01/02/24 07:52	01/02/24 19:37	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Copper</b>	<b>0.0038</b>	<b>J</b>	0.010	0.0016	mg/L		01/02/24 07:52	01/03/24 17:50	1
<b>Iron</b>	<b>41.5</b>		0.050	0.019	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Lead</b>	<b>0.0077</b>	<b>J</b>	0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Magnesium</b>	<b>18.5</b>		0.20	0.043	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Manganese</b>	<b>0.54</b>		0.0030	0.00040	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Nickel</b>	<b>0.0013</b>	<b>J</b>	0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Potassium</b>	<b>8.8</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:37	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216046-3**

Date Collected: 12/28/23 10:30

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 19:37	1
Silver	ND		0.0060	0.0017	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Sodium</b>	<b>62.6</b>		1.0	0.32	mg/L		01/02/24 07:52	01/03/24 17:50	1
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Vanadium</b>	<b>0.0015</b>	<b>J</b>	0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 19:37	1
<b>Zinc</b>	<b>0.023</b>	<b>B</b>	0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 19:37	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:29	1

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216046-4**

**Date Collected: 12/28/23 11:45**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/29/23 14:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/29/23 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/29/23 14:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/29/23 14:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/29/23 14:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/29/23 14:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/29/23 14:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/29/23 14:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/29/23 14:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/29/23 14:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/29/23 14:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/29/23 14:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/29/23 14:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/29/23 14:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/29/23 14:19	1
2-Hexanone	ND		5.0	1.2	ug/L			12/29/23 14:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/29/23 14:19	1
Acetone	ND		10	3.0	ug/L			12/29/23 14:19	1
Benzene	ND		1.0	0.41	ug/L			12/29/23 14:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/29/23 14:19	1
Bromoform	ND		1.0	0.26	ug/L			12/29/23 14:19	1
Bromomethane	ND		1.0	0.69	ug/L			12/29/23 14:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/29/23 14:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/29/23 14:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/29/23 14:19	1
Chloroethane	ND		1.0	0.32	ug/L			12/29/23 14:19	1
Chloroform	ND		1.0	0.34	ug/L			12/29/23 14:19	1
Chloromethane	ND		1.0	0.35	ug/L			12/29/23 14:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/29/23 14:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/29/23 14:19	1
Cyclohexane	ND		1.0	0.18	ug/L			12/29/23 14:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/29/23 14:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/23 14:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/29/23 14:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/29/23 14:19	1
Methyl acetate	ND		2.5	1.3	ug/L			12/29/23 14:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/29/23 14:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/29/23 14:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/29/23 14:19	1
Styrene	ND		1.0	0.73	ug/L			12/29/23 14:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/29/23 14:19	1
Toluene	ND		1.0	0.51	ug/L			12/29/23 14:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/29/23 14:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/29/23 14:19	1
Trichloroethene	ND		1.0	0.46	ug/L			12/29/23 14:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/29/23 14:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/29/23 14:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/29/23 14:19	1

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216046-4**

**Date Collected: 12/28/23 11:45**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/29/23 14:19	1
4-Bromofluorobenzene (Surr)	103		73 - 120		12/29/23 14:19	1
Toluene-d8 (Surr)	100		80 - 120		12/29/23 14:19	1
Dibromofluoromethane (Surr)	105		75 - 123		12/29/23 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 22:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Nitroaniline	ND		10	0.42	ug/L		01/02/24 14:11	01/04/24 22:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 22:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 22:42	1
3-Nitroaniline	ND		10	0.48	ug/L		01/02/24 14:11	01/04/24 22:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Methylphenol	ND		10	0.36	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Nitroaniline	ND		10	0.25	ug/L		01/02/24 14:11	01/04/24 22:42	1
4-Nitrophenol	ND		10	1.5	ug/L		01/02/24 14:11	01/04/24 22:42	1
Acenaphthene	ND		5.0	0.41	ug/L		01/02/24 14:11	01/04/24 22:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/02/24 14:11	01/04/24 22:42	1
Acetophenone	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 22:42	1
Aniline	ND		10	0.61	ug/L		01/02/24 14:11	01/04/24 22:42	1
Anthracene	ND		5.0	0.28	ug/L		01/02/24 14:11	01/04/24 22:42	1
Atrazine	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 22:42	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/02/24 14:11	01/04/24 22:42	1
Biphenyl	ND		5.0	0.65	ug/L		01/02/24 14:11	01/04/24 22:42	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/02/24 14:11	01/04/24 22:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 22:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 22:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 22:42	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/02/24 14:11	01/04/24 22:42	1
Caprolactam	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 22:42	1
Carbazole	ND		5.0	0.30	ug/L		01/02/24 14:11	01/04/24 22:42	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216046-4**

**Date Collected: 12/28/23 11:45**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		01/02/24 14:11	01/04/24 22:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/02/24 14:11	01/04/24 22:42	1
Dibenzofuran	ND		10	0.51	ug/L		01/02/24 14:11	01/04/24 22:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/02/24 14:11	01/04/24 22:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 22:42	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/02/24 14:11	01/04/24 22:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 22:42	1
Fluoranthene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 22:42	1
Fluorene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 22:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 22:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/02/24 14:11	01/04/24 22:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 22:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 22:42	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 22:42	1
Isophorone	ND		5.0	0.43	ug/L		01/02/24 14:11	01/04/24 22:42	1
Naphthalene	ND		5.0	0.76	ug/L		01/02/24 14:11	01/04/24 22:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/02/24 14:11	01/04/24 22:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 22:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 22:42	1
Pentachlorophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 22:42	1
Phenanthrene	ND		5.0	0.44	ug/L		01/02/24 14:11	01/04/24 22:42	1
Phenol	ND		5.0	0.39	ug/L		01/02/24 14:11	01/04/24 22:42	1
Pyrene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		41 - 120	01/02/24 14:11	01/04/24 22:42	1
2-Fluorobiphenyl	98		48 - 120	01/02/24 14:11	01/04/24 22:42	1
2-Fluorophenol	72		35 - 120	01/02/24 14:11	01/04/24 22:42	1
Nitrobenzene-d5	98		46 - 120	01/02/24 14:11	01/04/24 22:42	1
Phenol-d5	54		22 - 120	01/02/24 14:11	01/04/24 22:42	1
p-Terphenyl-d14	75		60 - 148	01/02/24 14:11	01/04/24 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>1.2</b>		0.20	0.060	mg/L		01/02/24 07:52	01/02/24 19:40	1
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 19:40	1
Arsenic	ND		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Barium</b>	<b>0.049</b>		0.0020	0.00070	mg/L		01/02/24 07:52	01/02/24 19:40	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/02/24 19:40	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Calcium</b>	<b>80.9</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Chromium</b>	<b>0.0013</b>	<b>J</b>	0.0040	0.0010	mg/L		01/02/24 07:52	01/02/24 19:40	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Copper</b>	<b>0.0050</b>	<b>J</b>	0.010	0.0016	mg/L		01/02/24 07:52	01/03/24 17:53	1
<b>Iron</b>	<b>1.1</b>		0.050	0.019	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Lead</b>	<b>0.0031</b>	<b>J</b>	0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Magnesium</b>	<b>14.2</b>		0.20	0.043	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Manganese</b>	<b>0.013</b>		0.0030	0.00040	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Nickel</b>	<b>0.0015</b>	<b>J</b>	0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Potassium</b>	<b>3.4</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:40	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216046-4**

Date Collected: 12/28/23 11:45

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 19:40	1
Silver	ND		0.0060	0.0017	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Sodium</b>	<b>20.9</b>		1.0	0.32	mg/L		01/02/24 07:52	01/03/24 17:53	1
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Vanadium</b>	<b>0.0027</b>	<b>J</b>	0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 19:40	1
<b>Zinc</b>	<b>0.0071</b>	<b>J B</b>	0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 19:40	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:31	1





# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04\_D**

**Lab Sample ID: 480-216046-5**

Date Collected: 12/28/23 09:20

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/29/23 15:55	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/29/23 15:55	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/29/23 15:55	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/29/23 15:55	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/29/23 15:55	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/29/23 15:55	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/29/23 15:55	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/29/23 15:55	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/29/23 15:55	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/29/23 15:55	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/29/23 15:55	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/29/23 15:55	4
<b>1,3-Dichlorobenzene</b>	<b>14</b>		4.0	3.1	ug/L			12/29/23 15:55	4
<b>1,4-Dichlorobenzene</b>	<b>27</b>		4.0	3.4	ug/L			12/29/23 15:55	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/29/23 15:55	4
2-Hexanone	ND		20	5.0	ug/L			12/29/23 15:55	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/29/23 15:55	4
Acetone	ND		40	12	ug/L			12/29/23 15:55	4
Benzene	ND		4.0	1.6	ug/L			12/29/23 15:55	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/29/23 15:55	4
Bromoform	ND		4.0	1.0	ug/L			12/29/23 15:55	4
Bromomethane	ND		4.0	2.8	ug/L			12/29/23 15:55	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/29/23 15:55	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/29/23 15:55	4
<b>Chlorobenzene</b>	<b>230</b>		4.0	3.0	ug/L			12/29/23 15:55	4
Chloroethane	ND		4.0	1.3	ug/L			12/29/23 15:55	4
Chloroform	ND		4.0	1.4	ug/L			12/29/23 15:55	4
Chloromethane	ND		4.0	1.4	ug/L			12/29/23 15:55	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			12/29/23 15:55	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/29/23 15:55	4
Cyclohexane	ND		4.0	0.72	ug/L			12/29/23 15:55	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/29/23 15:55	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/29/23 15:55	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/29/23 15:55	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/29/23 15:55	4
Methyl acetate	ND		10	5.2	ug/L			12/29/23 15:55	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/29/23 15:55	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/29/23 15:55	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/29/23 15:55	4
Styrene	ND		4.0	2.9	ug/L			12/29/23 15:55	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/29/23 15:55	4
Toluene	ND		4.0	2.0	ug/L			12/29/23 15:55	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/29/23 15:55	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/29/23 15:55	4
Trichloroethene	ND		4.0	1.8	ug/L			12/29/23 15:55	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/29/23 15:55	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/29/23 15:55	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/29/23 15:55	4



# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04\_D**

**Lab Sample ID: 480-216046-5**

**Date Collected: 12/28/23 09:20**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/29/23 15:55	4
4-Bromofluorobenzene (Surr)	101		73 - 120		12/29/23 15:55	4
Toluene-d8 (Surr)	100		80 - 120		12/29/23 15:55	4
Dibromofluoromethane (Surr)	96		75 - 123		12/29/23 15:55	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 23:09	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Nitroaniline	ND		10	0.42	ug/L		01/02/24 14:11	01/04/24 23:09	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 23:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 23:09	1
3-Nitroaniline	ND		10	0.48	ug/L		01/02/24 14:11	01/04/24 23:09	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Methylphenol	ND		10	0.36	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Nitroaniline	ND		10	0.25	ug/L		01/02/24 14:11	01/04/24 23:09	1
4-Nitrophenol	ND		10	1.5	ug/L		01/02/24 14:11	01/04/24 23:09	1
Acenaphthene	ND		5.0	0.41	ug/L		01/02/24 14:11	01/04/24 23:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/02/24 14:11	01/04/24 23:09	1
Acetophenone	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 23:09	1
Aniline	ND		10	0.61	ug/L		01/02/24 14:11	01/04/24 23:09	1
Anthracene	ND		5.0	0.28	ug/L		01/02/24 14:11	01/04/24 23:09	1
Atrazine	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 23:09	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/02/24 14:11	01/04/24 23:09	1
Biphenyl	ND		5.0	0.65	ug/L		01/02/24 14:11	01/04/24 23:09	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/02/24 14:11	01/04/24 23:09	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 23:09	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 23:09	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 23:09	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/02/24 14:11	01/04/24 23:09	1
Caprolactam	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 23:09	1
Carbazole	ND		5.0	0.30	ug/L		01/02/24 14:11	01/04/24 23:09	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04\_D**

**Lab Sample ID: 480-216046-5**

Date Collected: 12/28/23 09:20

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		01/02/24 14:11	01/04/24 23:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/02/24 14:11	01/04/24 23:09	1
Dibenzofuran	ND		10	0.51	ug/L		01/02/24 14:11	01/04/24 23:09	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/02/24 14:11	01/04/24 23:09	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 23:09	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/02/24 14:11	01/04/24 23:09	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 23:09	1
Fluoranthene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 23:09	1
Fluorene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 23:09	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 23:09	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/02/24 14:11	01/04/24 23:09	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 23:09	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 23:09	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 23:09	1
Isophorone	ND		5.0	0.43	ug/L		01/02/24 14:11	01/04/24 23:09	1
Naphthalene	ND		5.0	0.76	ug/L		01/02/24 14:11	01/04/24 23:09	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/02/24 14:11	01/04/24 23:09	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 23:09	1
<b>N-Nitrosodiphenylamine</b>	<b>0.55</b>	<b>J</b>	5.0	0.51	ug/L		01/02/24 14:11	01/04/24 23:09	1
Pentachlorophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 23:09	1
Phenanthrene	ND		5.0	0.44	ug/L		01/02/24 14:11	01/04/24 23:09	1
Phenol	ND		5.0	0.39	ug/L		01/02/24 14:11	01/04/24 23:09	1
Pyrene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	125	S1+	41 - 120	01/02/24 14:11	01/04/24 23:09	1
2-Fluorobiphenyl	97		48 - 120	01/02/24 14:11	01/04/24 23:09	1
2-Fluorophenol	68		35 - 120	01/02/24 14:11	01/04/24 23:09	1
Nitrobenzene-d5	94		46 - 120	01/02/24 14:11	01/04/24 23:09	1
Phenol-d5	52		22 - 120	01/02/24 14:11	01/04/24 23:09	1
p-Terphenyl-d14	72		60 - 148	01/02/24 14:11	01/04/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		01/02/24 07:52	01/02/24 19:44	1
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 19:44	1
Arsenic	ND		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Barium</b>	<b>0.64</b>		0.0020	0.00070	mg/L		01/02/24 07:52	01/02/24 19:44	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/02/24 19:44	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Calcium</b>	<b>306</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:44	1
Chromium	ND		0.0040	0.0010	mg/L		01/02/24 07:52	01/02/24 19:44	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Copper</b>	<b>0.0049</b>	<b>J</b>	0.010	0.0016	mg/L		01/02/24 07:52	01/03/24 17:56	1
<b>Iron</b>	<b>3.2</b>		0.050	0.019	mg/L		01/02/24 07:52	01/02/24 19:44	1
Lead	ND		0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Magnesium</b>	<b>45.2</b>		0.20	0.043	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Manganese</b>	<b>0.86</b>		0.0030	0.00040	mg/L		01/02/24 07:52	01/02/24 19:44	1
Nickel	ND		0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Potassium</b>	<b>13.6</b>		0.50	0.10	mg/L		01/02/24 07:52	01/02/24 19:44	1

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# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C MW-C04\_D**

**Lab Sample ID: 480-216046-5**

Date Collected: 12/28/23 09:20

Matrix: Ground Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 19:44	1
Silver	ND		0.0060	0.0017	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Sodium</b>	<b>139</b>		1.0	0.32	mg/L		01/02/24 07:52	01/03/24 17:56	1
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 19:44	1
Vanadium	ND		0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 19:44	1
<b>Zinc</b>	<b>0.0031</b>	<b>J B</b>	0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 19:44	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:32	1

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-216046-6**

Date Collected: 12/28/23 08:30

Matrix: Water

Date Received: 12/28/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/29/23 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/29/23 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/29/23 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/29/23 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/29/23 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/29/23 16:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/29/23 16:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/29/23 16:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/29/23 16:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/29/23 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/29/23 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/29/23 16:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/29/23 16:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/29/23 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/29/23 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/29/23 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/29/23 16:18	1
Acetone	ND		10	3.0	ug/L			12/29/23 16:18	1
Benzene	ND		1.0	0.41	ug/L			12/29/23 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/29/23 16:18	1
Bromoform	ND		1.0	0.26	ug/L			12/29/23 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/29/23 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/29/23 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/29/23 16:18	1
<b>Chlorobenzene</b>	<b>1.3</b>		1.0	0.75	ug/L			12/29/23 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/29/23 16:18	1
Chloroform	ND		1.0	0.34	ug/L			12/29/23 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/29/23 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/29/23 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/29/23 16:18	1
Cyclohexane	ND		1.0	0.18	ug/L			12/29/23 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/29/23 16:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/23 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/29/23 16:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/29/23 16:18	1
Methyl acetate	ND		2.5	1.3	ug/L			12/29/23 16:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/29/23 16:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/29/23 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/29/23 16:18	1
Styrene	ND		1.0	0.73	ug/L			12/29/23 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/29/23 16:18	1
Toluene	ND		1.0	0.51	ug/L			12/29/23 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/29/23 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/29/23 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/29/23 16:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/29/23 16:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/29/23 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/29/23 16:18	1

# Client Sample Results

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

Job ID: 480-216046-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-216046-6**

**Date Collected: 12/28/23 08:30**

**Matrix: Water**

**Date Received: 12/28/23 13:45**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/29/23 16:18	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/29/23 16:18	1
Toluene-d8 (Surr)	99		80 - 120		12/29/23 16:18	1
Dibromofluoromethane (Surr)	100		75 - 123		12/29/23 16:18	1

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# Surrogate Summary

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

Job ID: 480-216046-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-216046-1	BCC Area C RFI-31A	103	98	98	94
480-216046-2	BCC Area C MW-C04	102	104	99	103
480-216046-3	BCC Area C RFI-20A	104	98	100	97
480-216046-4	BCC Area C PS-05A	103	103	100	105
480-216046-5	BCC Area C MW-C04_D	100	101	100	96

### Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-216046-2 MS	BCC Area C MW-C04_MS	101	103	101	103
480-216046-2 MSD	BCC Area C MW-C04_MSD	98	103	98	103
480-216046-6	TRIP BLANK	102	99	99	100
LCS 480-696697/30	Lab Control Sample	102	103	101	99
LCS 480-696721/6	Lab Control Sample	100	103	100	102
MB 480-696697/31	Method Blank	101	100	100	96
MB 480-696721/8	Method Blank	100	105	100	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: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-216046-1	BCC Area C RFI-31A	115	100	74	95	55	80
480-216046-2	BCC Area C MW-C04	125 S1+	108	76	104	57	80
480-216046-3	BCC Area C RFI-20A	128 S1+	115	86	114	64	102
480-216046-4	BCC Area C PS-05A	93	98	72	98	54	75
480-216046-5	BCC Area C MW-C04_D	125 S1+	97	68	94	52	72

### Surrogate Legend

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

# Surrogate Summary

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

Job ID: 480-216046-1

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

**Matrix: Water**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-216046-2 MS	BCC Area C MW-C04_MS	110	92	76	95	59	62
480-216046-2 MSD	BCC Area C MW-C04_MSD	114	97	76	100	59	59 S1-
LCS 480-696880/2-A	Lab Control Sample	102	95	68	91	57	100
MB 480-696880/1-A	Method Blank	66	90	65	90	48	102

## Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHd14 = p-Terphenyl-d14

# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: MB 480-696697/31**  
**Matrix: Water**  
**Analysis Batch: 696697**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/29/23 12:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/29/23 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/29/23 12:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/29/23 12:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/29/23 12:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/29/23 12:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/29/23 12:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/29/23 12:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/29/23 12:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/29/23 12:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/29/23 12:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/29/23 12:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/29/23 12:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/29/23 12:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/29/23 12:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/29/23 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/29/23 12:44	1
Acetone	ND		10	3.0	ug/L			12/29/23 12:44	1
Benzene	ND		1.0	0.41	ug/L			12/29/23 12:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/29/23 12:44	1
Bromoform	ND		1.0	0.26	ug/L			12/29/23 12:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/29/23 12:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/29/23 12:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/29/23 12:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/29/23 12:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/29/23 12:44	1
Chloroform	ND		1.0	0.34	ug/L			12/29/23 12:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/29/23 12:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/29/23 12:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/29/23 12:44	1
Cyclohexane	ND		1.0	0.18	ug/L			12/29/23 12:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/29/23 12:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/23 12:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/29/23 12:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/29/23 12:44	1
Methyl acetate	ND		2.5	1.3	ug/L			12/29/23 12:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/29/23 12:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/29/23 12:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/29/23 12:44	1
Styrene	ND		1.0	0.73	ug/L			12/29/23 12:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/29/23 12:44	1
Toluene	ND		1.0	0.51	ug/L			12/29/23 12:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/29/23 12:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/29/23 12:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/29/23 12:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/29/23 12:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/29/23 12:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/29/23 12:44	1

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: MB 480-696697/31**  
**Matrix: Water**  
**Analysis Batch: 696697**

**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		12/29/23 12:44	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/29/23 12:44	1
Toluene-d8 (Surr)	100		80 - 120		12/29/23 12:44	1
Dibromofluoromethane (Surr)	96		75 - 123		12/29/23 12:44	1

**Lab Sample ID: LCS 480-696697/30**  
**Matrix: Water**  
**Analysis Batch: 696697**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.6		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.6		ug/L		106	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.8		ug/L		103	61 - 148
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	27.0		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.5		ug/L		90	56 - 134
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.1		ug/L		105	80 - 120
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
2-Hexanone	125	142		ug/L		114	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	30.3		ug/L		121	61 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Chloroethane	25.0	25.4		ug/L		102	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	25.3		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	26.7		ug/L		107	59 - 135
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Dichlorodifluoromethane	25.0	30.1		ug/L		120	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Isopropylbenzene	25.0	27.9		ug/L		112	77 - 122
Methyl acetate	50.0	49.9		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	25.6		ug/L		102	68 - 134

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: LCS 480-696697/30**  
**Matrix: Water**  
**Analysis Batch: 696697**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Styrene	25.0	27.1		ug/L		108	80 - 120
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	25.6		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	23.6		ug/L		94	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	25.0		ug/L		100	62 - 150
Vinyl chloride	25.0	27.4		ug/L		110	65 - 133
Xylenes, Total	50.0	51.8		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

**Lab Sample ID: MB 480-696721/8**  
**Matrix: Water**  
**Analysis Batch: 696721**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/29/23 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/29/23 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/29/23 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/29/23 13:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/29/23 13:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/29/23 13:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/29/23 13:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/29/23 13:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/29/23 13:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/29/23 13:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/29/23 13:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/29/23 13:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/29/23 13:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/29/23 13:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/29/23 13:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/29/23 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/29/23 13:13	1
Acetone	ND		10	3.0	ug/L			12/29/23 13:13	1
Benzene	ND		1.0	0.41	ug/L			12/29/23 13:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/29/23 13:13	1
Bromoform	ND		1.0	0.26	ug/L			12/29/23 13:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/29/23 13:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/29/23 13:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/29/23 13:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/29/23 13:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/29/23 13:13	1

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: MB 480-696721/8**  
**Matrix: Water**  
**Analysis Batch: 696721**

**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			12/29/23 13:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/29/23 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/29/23 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/29/23 13:13	1
Cyclohexane	ND		1.0	0.18	ug/L			12/29/23 13:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/29/23 13:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/23 13:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/29/23 13:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/29/23 13:13	1
Methyl acetate	ND		2.5	1.3	ug/L			12/29/23 13:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/29/23 13:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/29/23 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/29/23 13:13	1
Styrene	ND		1.0	0.73	ug/L			12/29/23 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/29/23 13:13	1
Toluene	ND		1.0	0.51	ug/L			12/29/23 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/29/23 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/29/23 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/29/23 13:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/29/23 13:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/29/23 13:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/29/23 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/29/23 13:13	1
4-Bromofluorobenzene (Surr)	105		73 - 120		12/29/23 13:13	1
Toluene-d8 (Surr)	100		80 - 120		12/29/23 13:13	1
Dibromofluoromethane (Surr)	105		75 - 123		12/29/23 13:13	1

**Lab Sample ID: LCS 480-696721/6**  
**Matrix: Water**  
**Analysis Batch: 696721**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	25.6		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.3		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.8		ug/L		103	56 - 134
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: LCS 480-696721/6**

**Matrix: Water**

**Analysis Batch: 696721**

**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	122		ug/L		98	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	28.2		ug/L		113	61 - 132
Bromomethane	25.0	21.1		ug/L		84	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	24.6		ug/L		99	73 - 127
Chloromethane	25.0	18.9		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	27.4		ug/L		110	74 - 124
Cyclohexane	25.0	24.8		ug/L		99	59 - 135
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Dichlorodifluoromethane	25.0	30.5		ug/L		122	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	49.0		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	22.6		ug/L		90	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
Styrene	25.0	26.4		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	80 - 120
Trichloroethene	25.0	26.1		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		115	62 - 150
Vinyl chloride	25.0	28.8		ug/L		115	65 - 133
Xylenes, Total	50.0	52.0		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

**Lab Sample ID: 480-216046-2 MS**

**Matrix: Water**

**Analysis Batch: 696721**

**Client Sample ID: BCC Area C MW-C04\_MS**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		200	216		ug/L		108	73 - 126
1,1,1,2-Tetrachloroethane	ND		200	193		ug/L		96	76 - 120

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MS**

**Client Sample ID: BCC Area C MW-C04\_MS**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 696721**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	199		ug/L		100	61 - 148
1,1,2-Trichloroethane	ND		200	206		ug/L		103	76 - 122
1,1-Dichloroethane	ND		200	209		ug/L		104	77 - 120
1,1-Dichloroethene	ND		200	224		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	ND		200	219		ug/L		110	79 - 122
1,2-Dibromo-3-Chloropropane	ND		200	200		ug/L		100	56 - 134
1,2-Dibromoethane	ND		200	211		ug/L		105	77 - 120
1,2-Dichlorobenzene	ND		200	205		ug/L		103	80 - 124
1,2-Dichloroethane	ND		200	203		ug/L		101	75 - 120
1,2-Dichloropropane	ND		200	201		ug/L		100	76 - 120
1,3-Dichlorobenzene	12		200	220		ug/L		104	77 - 120
1,4-Dichlorobenzene	25		200	224		ug/L		100	78 - 124
2-Butanone (MEK)	ND		1000	873		ug/L		87	57 - 140
2-Hexanone	ND		1000	930		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1000	951		ug/L		95	71 - 125
Acetone	ND		1000	916		ug/L		92	56 - 142
Benzene	ND		200	208		ug/L		104	71 - 124
Bromodichloromethane	ND		200	212		ug/L		106	80 - 122
Bromoform	ND		200	217		ug/L		109	61 - 132
Bromomethane	ND		200	180		ug/L		90	55 - 144
Carbon disulfide	ND		200	209		ug/L		104	59 - 134
Carbon tetrachloride	ND		200	231		ug/L		116	72 - 134
Chlorobenzene	210		200	394		ug/L		95	80 - 120
Chloroethane	ND		200	215		ug/L		108	69 - 136
Chloroform	ND		200	203		ug/L		101	73 - 127
Chloromethane	ND		200	152		ug/L		76	68 - 124
cis-1,2-Dichloroethene	ND		200	217		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		200	222		ug/L		111	74 - 124
Cyclohexane	ND		200	203		ug/L		102	59 - 135
Dibromochloromethane	ND		200	221		ug/L		111	75 - 125
Dichlorodifluoromethane	ND		200	239		ug/L		120	59 - 135
Ethylbenzene	ND		200	210		ug/L		105	77 - 123
Isopropylbenzene	ND		200	214		ug/L		107	77 - 122
Methyl acetate	ND		400	389		ug/L		97	74 - 133
Methyl tert-butyl ether	ND		200	172		ug/L		86	77 - 120
Methylcyclohexane	ND		200	223		ug/L		111	68 - 134
Methylene Chloride	ND		200	208		ug/L		104	75 - 124
Styrene	ND		200	216		ug/L		108	80 - 120
Tetrachloroethene	ND		200	222		ug/L		111	74 - 122
Toluene	ND		200	207		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		200	220		ug/L		110	73 - 127
trans-1,3-Dichloropropene	ND		200	229		ug/L		114	80 - 120
Trichloroethene	ND		200	217		ug/L		108	74 - 123
Trichlorofluoromethane	ND		200	235		ug/L		117	62 - 150
Vinyl chloride	ND		200	233		ug/L		116	65 - 133
Xylenes, Total	ND		400	431		ug/L		108	76 - 122

# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 696721**

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

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

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 696721**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		200	213		ug/L		107	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		200	194		ug/L		97	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	208		ug/L		104	61 - 148	4	20
1,1,2-Trichloroethane	ND		200	203		ug/L		102	76 - 122	1	15
1,1-Dichloroethane	ND		200	202		ug/L		101	77 - 120	4	20
1,1-Dichloroethene	ND		200	225		ug/L		113	66 - 127	0	16
1,2,4-Trichlorobenzene	ND		200	205		ug/L		102	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	ND		200	200		ug/L		100	56 - 134	0	15
1,2-Dibromoethane	ND		200	207		ug/L		104	77 - 120	2	15
1,2-Dichlorobenzene	ND		200	201		ug/L		100	80 - 124	2	20
1,2-Dichloroethane	ND		200	196		ug/L		98	75 - 120	3	20
1,2-Dichloropropane	ND		200	196		ug/L		98	76 - 120	2	20
1,3-Dichlorobenzene	12		200	214		ug/L		101	77 - 120	3	20
1,4-Dichlorobenzene	25		200	220		ug/L		98	78 - 124	2	20
2-Butanone (MEK)	ND		1000	884		ug/L		88	57 - 140	1	20
2-Hexanone	ND		1000	949		ug/L		95	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		1000	951		ug/L		95	71 - 125	0	35
Acetone	ND		1000	908		ug/L		91	56 - 142	1	15
Benzene	ND		200	200		ug/L		100	71 - 124	4	13
Bromodichloromethane	ND		200	208		ug/L		104	80 - 122	2	15
Bromoform	ND		200	217		ug/L		109	61 - 132	0	15
Bromomethane	ND		200	164		ug/L		82	55 - 144	9	15
Carbon disulfide	ND		200	215		ug/L		107	59 - 134	3	15
Carbon tetrachloride	ND		200	228		ug/L		114	72 - 134	1	15
Chlorobenzene	210		200	384		ug/L		89	80 - 120	3	25
Chloroethane	ND		200	204		ug/L		102	69 - 136	5	15
Chloroform	ND		200	196		ug/L		98	73 - 127	3	20
Chloromethane	ND		200	139		ug/L		69	68 - 124	9	15
cis-1,2-Dichloroethene	ND		200	206		ug/L		103	74 - 124	5	15
cis-1,3-Dichloropropene	ND		200	220		ug/L		110	74 - 124	1	15
Cyclohexane	ND		200	208		ug/L		104	59 - 135	2	20
Dibromochloromethane	ND		200	211		ug/L		106	75 - 125	5	15
Dichlorodifluoromethane	ND		200	226		ug/L		113	59 - 135	5	20
Ethylbenzene	ND		200	203		ug/L		101	77 - 123	3	15
Isopropylbenzene	ND		200	202		ug/L		101	77 - 122	5	20
Methyl acetate	ND		400	385		ug/L		96	74 - 133	1	20
Methyl tert-butyl ether	ND		200	172		ug/L		86	77 - 120	0	37
Methylcyclohexane	ND		200	214		ug/L		107	68 - 134	4	20

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 696721**

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	ND		200	189		ug/L		94	75 - 124	10	15
Styrene	ND		200	211		ug/L		106	80 - 120	2	20
Tetrachloroethene	ND		200	210		ug/L		105	74 - 122	6	20
Toluene	ND		200	196		ug/L		98	80 - 122	5	15
trans-1,2-Dichloroethene	ND		200	206		ug/L		103	73 - 127	7	20
trans-1,3-Dichloropropene	ND		200	222		ug/L		111	80 - 120	3	15
Trichloroethene	ND		200	209		ug/L		105	74 - 123	3	16
Trichlorofluoromethane	ND		200	231		ug/L		116	62 - 150	2	20
Vinyl chloride	ND		200	206		ug/L		103	65 - 133	12	15
Xylenes, Total	ND		400	415		ug/L		104	76 - 122	4	16
Surrogate	MSD		Limits								
	%Recovery	Qualifier									
1,2-Dichloroethane-d4 (Surr)	98		77 - 120								
4-Bromofluorobenzene (Surr)	103		73 - 120								
Toluene-d8 (Surr)	98		80 - 120								
Dibromofluoromethane (Surr)	103		75 - 123								

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

**Lab Sample ID: MB 480-696880/1-A**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 19:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Nitroaniline	ND		10	0.42	ug/L		01/02/24 14:11	01/04/24 19:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/02/24 14:11	01/04/24 19:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 19:05	1
3-Nitroaniline	ND		10	0.48	ug/L		01/02/24 14:11	01/04/24 19:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Methylphenol	ND		10	0.36	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Nitroaniline	ND		10	0.25	ug/L		01/02/24 14:11	01/04/24 19:05	1
4-Nitrophenol	ND		10	1.5	ug/L		01/02/24 14:11	01/04/24 19:05	1
Acenaphthene	ND		5.0	0.41	ug/L		01/02/24 14:11	01/04/24 19:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/02/24 14:11	01/04/24 19:05	1

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: MB 480-696880/1-A**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 19:05	1
Aniline	ND		10	0.61	ug/L		01/02/24 14:11	01/04/24 19:05	1
Anthracene	ND		5.0	0.28	ug/L		01/02/24 14:11	01/04/24 19:05	1
Atrazine	ND		5.0	0.46	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 19:05	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/02/24 14:11	01/04/24 19:05	1
Biphenyl	ND		5.0	0.65	ug/L		01/02/24 14:11	01/04/24 19:05	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/02/24 14:11	01/04/24 19:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/02/24 14:11	01/04/24 19:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 19:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 19:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/02/24 14:11	01/04/24 19:05	1
Caprolactam	ND		5.0	2.2	ug/L		01/02/24 14:11	01/04/24 19:05	1
Carbazole	ND		5.0	0.30	ug/L		01/02/24 14:11	01/04/24 19:05	1
Chrysene	ND		5.0	0.33	ug/L		01/02/24 14:11	01/04/24 19:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/02/24 14:11	01/04/24 19:05	1
Dibenzofuran	ND		10	0.51	ug/L		01/02/24 14:11	01/04/24 19:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/02/24 14:11	01/04/24 19:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 19:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/02/24 14:11	01/04/24 19:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 19:05	1
Fluoranthene	ND		5.0	0.40	ug/L		01/02/24 14:11	01/04/24 19:05	1
Fluorene	ND		5.0	0.36	ug/L		01/02/24 14:11	01/04/24 19:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 19:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/02/24 14:11	01/04/24 19:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 19:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/02/24 14:11	01/04/24 19:05	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/02/24 14:11	01/04/24 19:05	1
Isophorone	ND		5.0	0.43	ug/L		01/02/24 14:11	01/04/24 19:05	1
Naphthalene	ND		5.0	0.76	ug/L		01/02/24 14:11	01/04/24 19:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/02/24 14:11	01/04/24 19:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/02/24 14:11	01/04/24 19:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/02/24 14:11	01/04/24 19:05	1
Pentachlorophenol	ND		10	2.2	ug/L		01/02/24 14:11	01/04/24 19:05	1
Phenanthrene	ND		5.0	0.44	ug/L		01/02/24 14:11	01/04/24 19:05	1
Phenol	ND		5.0	0.39	ug/L		01/02/24 14:11	01/04/24 19:05	1
Pyrene	ND		5.0	0.34	ug/L		01/02/24 14:11	01/04/24 19:05	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>2,4,6-Tribromophenol</i>	66		41 - 120				01/02/24 14:11	01/04/24 19:05	1
<i>2-Fluorobiphenyl</i>	90		48 - 120				01/02/24 14:11	01/04/24 19:05	1
<i>2-Fluorophenol</i>	65		35 - 120				01/02/24 14:11	01/04/24 19:05	1
<i>Nitrobenzene-d5</i>	90		46 - 120				01/02/24 14:11	01/04/24 19:05	1
<i>Phenol-d5</i>	48		22 - 120				01/02/24 14:11	01/04/24 19:05	1

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: MB 480-696880/1-A**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl-d14	102		60 - 148	01/02/24 14:11	01/04/24 19:05	1

**Lab Sample ID: LCS 480-696880/2-A**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	32.0	30.2		ug/L		95	65 - 126
2,4,6-Trichlorophenol	32.0	30.6		ug/L		96	64 - 120
2,4-Dichlorophenol	32.0	28.2		ug/L		88	63 - 120
2,4-Dimethylphenol	32.0	22.2		ug/L		69	47 - 120
2,4-Dinitrophenol	64.0	56.6		ug/L		88	31 - 137
2,4-Dinitrotoluene	32.0	31.8		ug/L		99	69 - 120
2,6-Dinitrotoluene	32.0	32.5		ug/L		101	68 - 120
2-Chloronaphthalene	32.0	26.5		ug/L		83	58 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	48 - 120
2-Methylnaphthalene	32.0	25.7		ug/L		80	59 - 120
2-Methylphenol	32.0	28.3		ug/L		88	39 - 120
2-Nitroaniline	32.0	31.7		ug/L		99	54 - 127
2-Nitrophenol	32.0	28.4		ug/L		89	52 - 125
3,3'-Dichlorobenzidine	64.0	52.1		ug/L		81	49 - 135
3-Nitroaniline	32.0	20.5		ug/L		64	51 - 120
4,6-Dinitro-2-methylphenol	64.0	65.3		ug/L		102	46 - 136
4-Bromophenyl phenyl ether	32.0	30.5		ug/L		95	65 - 120
4-Chloro-3-methylphenol	32.0	29.1		ug/L		91	61 - 123
4-Chloroaniline	32.0	16.6		ug/L		52	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.6		ug/L		92	62 - 120
4-Methylphenol	32.0	26.5		ug/L		83	29 - 131
4-Nitroaniline	32.0	29.3		ug/L		92	65 - 120
4-Nitrophenol	64.0	53.2		ug/L		83	45 - 120
Acenaphthene	32.0	28.4		ug/L		89	60 - 120
Acenaphthylene	32.0	27.4		ug/L		86	63 - 120
Acetophenone	32.0	29.9		ug/L		94	45 - 120
Aniline	32.0	13.5		ug/L		42	12 - 120
Anthracene	32.0	30.7		ug/L		96	67 - 120
Atrazine	64.0	77.4		ug/L		121	71 - 130
Benzaldehyde	64.0	59.5		ug/L		93	10 - 140
Benzo(a)anthracene	32.0	31.3		ug/L		98	70 - 121
Benzo(a)pyrene	32.0	31.3		ug/L		98	60 - 123
Benzo(b)fluoranthene	32.0	30.4		ug/L		95	66 - 126
Benzo(g,h,i)perylene	32.0	30.1		ug/L		94	66 - 150
Benzo(k)fluoranthene	32.0	29.7		ug/L		93	65 - 124
Biphenyl	32.0	27.1		ug/L		85	59 - 120
bis (2-chloroisopropyl) ether	32.0	28.1		ug/L		88	21 - 136
Bis(2-chloroethoxy)methane	32.0	27.1		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	32.0	27.0		ug/L		85	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.0		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	32.3		ug/L		101	70 - 129

# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: LCS 480-696880/2-A**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Caprolactam	64.0	22.8		ug/L		36	22 - 120
Carbazole	32.0	31.1		ug/L		97	66 - 123
Chrysene	32.0	31.1		ug/L		97	69 - 120
Dibenz(a,h)anthracene	32.0	31.3		ug/L		98	65 - 135
Dibenzofuran	32.0	28.3		ug/L		88	66 - 120
Diethyl phthalate	32.0	33.6		ug/L		105	59 - 127
Dimethyl phthalate	32.0	31.9		ug/L		100	68 - 120
Di-n-butyl phthalate	32.0	32.7		ug/L		102	69 - 131
Di-n-octyl phthalate	32.0	31.3		ug/L		98	63 - 140
Fluoranthene	32.0	31.2		ug/L		97	69 - 126
Fluorene	32.0	28.9		ug/L		90	66 - 120
Hexachlorobenzene	32.0	31.2		ug/L		98	61 - 120
Hexachlorobutadiene	32.0	20.6		ug/L		64	35 - 120
Hexachlorocyclopentadiene	32.0	12.1		ug/L		38	31 - 120
Hexachloroethane	32.0	22.2		ug/L		69	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	34.1		ug/L		107	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	28.8		ug/L		90	32 - 140
N-Nitrosodiphenylamine	32.0	29.4		ug/L		92	61 - 120
Pentachlorophenol	64.0	49.3		ug/L		77	10 - 136
Phenanthrene	32.0	30.1		ug/L		94	68 - 120
Phenol	32.0	18.3		ug/L		57	17 - 120
Pyrene	32.0	30.5		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	102		41 - 120
2-Fluorobiphenyl	95		48 - 120
2-Fluorophenol	68		35 - 120
Nitrobenzene-d5	91		46 - 120
Phenol-d5	57		22 - 120
p-Terphenyl-d14	100		60 - 148

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 697052**

**Client Sample ID: BCC Area C MW-C04\_MS**  
**Prep Type: Total/NA**  
**Prep Batch: 696880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		32.0	29.7		ug/L		93	65 - 126
2,4,6-Trichlorophenol	ND		32.0	30.5		ug/L		95	64 - 120
2,4-Dichlorophenol	0.89	J	32.0	30.7		ug/L		93	48 - 132
2,4-Dimethylphenol	ND		32.0	23.5		ug/L		73	39 - 130
2,4-Dinitrophenol	ND		64.0	60.3		ug/L		94	21 - 150
2,4-Dinitrotoluene	ND		32.0	29.1		ug/L		91	54 - 138
2,6-Dinitrotoluene	ND		32.0	29.7		ug/L		93	17 - 150
2-Chloronaphthalene	ND		32.0	26.5		ug/L		83	52 - 124
2-Chlorophenol	0.55	J	32.0	29.7		ug/L		91	48 - 120

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MS**

**Matrix: Water**

**Analysis Batch: 697052**

**Client Sample ID: BCC Area C MW-C04\_MS**

**Prep Type: Total/NA**

**Prep Batch: 696880**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Methylnaphthalene	ND		32.0	26.2		ug/L		82	34 - 140
2-Methylphenol	ND		32.0	29.7		ug/L		93	46 - 120
2-Nitroaniline	ND		32.0	29.8		ug/L		93	44 - 136
2-Nitrophenol	ND		32.0	29.1		ug/L		91	38 - 141
3,3'-Dichlorobenzidine	ND	F1	64.0	ND	F1	ug/L		0	10 - 150
3-Nitroaniline	ND	F1	32.0	9.04	J F1	ug/L		28	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	69.6		ug/L		109	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	28.3		ug/L		89	63 - 126
4-Chloro-3-methylphenol	ND		32.0	28.5		ug/L		89	64 - 127
4-Chloroaniline	ND		32.0	5.63		ug/L		18	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	28.6		ug/L		89	61 - 120
4-Methylphenol	ND		32.0	27.2		ug/L		85	36 - 120
4-Nitroaniline	ND		32.0	24.5		ug/L		76	32 - 150
4-Nitrophenol	ND		64.0	50.2		ug/L		78	23 - 132
Acenaphthene	ND		32.0	28.6		ug/L		89	48 - 120
Acenaphthylene	ND		32.0	26.6		ug/L		83	63 - 120
Acetophenone	ND		32.0	30.4		ug/L		95	53 - 120
Aniline	ND	F1 F2	32.0	5.97	J F1	ug/L		19	32 - 120
Anthracene	ND		32.0	29.5		ug/L		92	65 - 122
Atrazine	ND		64.0	59.6		ug/L		93	50 - 150
Benzaldehyde	ND		64.0	61.3		ug/L		96	10 - 150
Benzo(a)anthracene	ND		32.0	27.6		ug/L		86	43 - 124
Benzo(a)pyrene	ND		32.0	27.4		ug/L		86	23 - 125
Benzo(b)fluoranthene	ND		32.0	25.5		ug/L		80	27 - 127
Benzo(g,h,i)perylene	ND		32.0	24.6		ug/L		77	16 - 147
Benzo(k)fluoranthene	ND		32.0	26.2		ug/L		82	20 - 124
Biphenyl	ND		32.0	26.8		ug/L		84	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	29.5		ug/L		92	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	28.8		ug/L		90	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	30.9		ug/L		97	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	27.7		ug/L		86	16 - 150
Butyl benzyl phthalate	ND		32.0	30.6		ug/L		96	51 - 140
Caprolactam	ND		64.0	24.4		ug/L		38	10 - 120
Carbazole	ND		32.0	33.4		ug/L		104	16 - 148
Chrysene	ND		32.0	28.5		ug/L		89	44 - 122
Dibenz(a,h)anthracene	ND		32.0	26.0		ug/L		81	16 - 139
Dibenzofuran	ND		32.0	27.8		ug/L		87	60 - 120
Diethyl phthalate	ND		32.0	32.1		ug/L		100	53 - 133
Dimethyl phthalate	ND		32.0	32.1		ug/L		100	59 - 123
Di-n-butyl phthalate	ND		32.0	31.0		ug/L		97	65 - 129
Di-n-octyl phthalate	ND		32.0	27.8		ug/L		87	16 - 150
Fluoranthene	ND		32.0	30.5		ug/L		95	63 - 129
Fluorene	ND		32.0	29.1		ug/L		91	62 - 120
Hexachlorobenzene	ND		32.0	30.1		ug/L		94	57 - 121
Hexachlorobutadiene	ND		32.0	18.8		ug/L		59	37 - 120
Hexachlorocyclopentadiene	ND		32.0	12.3		ug/L		39	21 - 120
Hexachloroethane	ND		32.0	22.4		ug/L		70	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	28.2		ug/L		88	16 - 140
Isophorone	ND		32.0	29.2		ug/L		91	48 - 133

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MS**

**Matrix: Water**

**Analysis Batch: 697052**

**Client Sample ID: BCC Area C MW-C04\_MS**

**Prep Type: Total/NA**

**Prep Batch: 696880**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Naphthalene	ND		32.0	26.3		ug/L		82	45 - 120
Nitrobenzene	ND		32.0	29.1		ug/L		91	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	30.1		ug/L		94	49 - 120
N-Nitrosodiphenylamine	0.63	J	32.0	31.6		ug/L		97	39 - 138
Pentachlorophenol	ND		64.0	74.6		ug/L		117	10 - 149
Phenanthrene	ND		32.0	31.9		ug/L		100	65 - 122
Phenol	ND		32.0	18.9		ug/L		59	16 - 120
Pyrene	ND		32.0	29.8		ug/L		93	58 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	110		41 - 120
2-Fluorobiphenyl	92		48 - 120
2-Fluorophenol	76		35 - 120
Nitrobenzene-d5	95		46 - 120
Phenol-d5	59		22 - 120
p-Terphenyl-d14	62		60 - 148

**Lab Sample ID: 480-216046-2 MSD**

**Matrix: Water**

**Analysis Batch: 697052**

**Client Sample ID: BCC Area C MW-C04\_MSD**

**Prep Type: Total/NA**

**Prep Batch: 696880**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
2,4,5-Trichlorophenol	ND		32.0	32.2		ug/L		101	65 - 126	8	18
2,4,6-Trichlorophenol	ND		32.0	34.7		ug/L		108	64 - 120	13	19
2,4-Dichlorophenol	0.89	J	32.0	31.7		ug/L		96	48 - 132	3	19
2,4-Dimethylphenol	ND		32.0	24.7		ug/L		77	39 - 130	5	42
2,4-Dinitrophenol	ND		64.0	62.0		ug/L		97	21 - 150	3	22
2,4-Dinitrotoluene	ND		32.0	31.5		ug/L		98	54 - 138	8	20
2,6-Dinitrotoluene	ND		32.0	31.2		ug/L		98	17 - 150	5	15
2-Chloronaphthalene	ND		32.0	29.1		ug/L		91	52 - 124	9	21
2-Chlorophenol	0.55	J	32.0	29.6		ug/L		91	48 - 120	0	25
2-Methylnaphthalene	ND		32.0	28.3		ug/L		88	34 - 140	7	21
2-Methylphenol	ND		32.0	30.1		ug/L		94	46 - 120	1	27
2-Nitroaniline	ND		32.0	29.2		ug/L		91	44 - 136	2	15
2-Nitrophenol	ND		32.0	30.8		ug/L		96	38 - 141	6	18
3,3'-Dichlorobenzidine	ND	F1	64.0	ND	F1	ug/L		0	10 - 150	NC	25
3-Nitroaniline	ND	F1	32.0	8.85	J F1	ug/L		28	32 - 150	2	19
4,6-Dinitro-2-methylphenol	ND		64.0	67.1		ug/L		105	38 - 150	4	15
4-Bromophenyl phenyl ether	ND		32.0	28.8		ug/L		90	63 - 126	2	15
4-Chloro-3-methylphenol	ND		32.0	32.0		ug/L		100	64 - 127	11	27
4-Chloroaniline	ND		32.0	6.27		ug/L		20	16 - 124	11	22
4-Chlorophenyl phenyl ether	ND		32.0	29.8		ug/L		93	61 - 120	4	16
4-Methylphenol	ND		32.0	27.5		ug/L		86	36 - 120	1	24
4-Nitroaniline	ND		32.0	23.2		ug/L		73	32 - 150	5	24
4-Nitrophenol	ND		64.0	54.9		ug/L		86	23 - 132	9	48
Acenaphthene	ND		32.0	30.8		ug/L		96	48 - 120	7	24
Acenaphthylene	ND		32.0	29.0		ug/L		91	63 - 120	9	18
Acetophenone	ND		32.0	30.7		ug/L		96	53 - 120	1	20

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# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MSD**

**Matrix: Water**

**Analysis Batch: 697052**

**Client Sample ID: BCC Area C MW-C04\_MSD**

**Prep Type: Total/NA**

**Prep Batch: 696880**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aniline	ND	F1 F2	32.0	8.61	J F1 F2	ug/L		27	32 - 120	36	30
Anthracene	ND		32.0	30.2		ug/L		95	65 - 122	2	15
Atrazine	ND		64.0	61.5		ug/L		96	50 - 150	3	20
Benzaldehyde	ND		64.0	63.0		ug/L		98	10 - 150	3	20
Benzo(a)anthracene	ND		32.0	28.4		ug/L		89	43 - 124	3	15
Benzo(a)pyrene	ND		32.0	27.4		ug/L		86	23 - 125	0	15
Benzo(b)fluoranthene	ND		32.0	25.7		ug/L		80	27 - 127	1	15
Benzo(g,h,i)perylene	ND		32.0	23.9		ug/L		75	16 - 147	3	15
Benzo(k)fluoranthene	ND		32.0	26.4		ug/L		83	20 - 124	1	22
Biphenyl	ND		32.0	29.9		ug/L		94	57 - 120	11	20
bis (2-chloroisopropyl) ether	ND		32.0	29.4		ug/L		92	28 - 121	0	24
Bis(2-chloroethoxy)methane	ND		32.0	29.3		ug/L		91	44 - 128	2	17
Bis(2-chloroethyl)ether	ND		32.0	30.2		ug/L		94	45 - 120	2	21
Bis(2-ethylhexyl) phthalate	ND		32.0	24.3		ug/L		76	16 - 150	13	15
Butyl benzyl phthalate	ND		32.0	27.0		ug/L		85	51 - 140	12	16
Caprolactam	ND		64.0	24.1		ug/L		38	10 - 120	1	20
Carbazole	ND		32.0	33.9		ug/L		106	16 - 148	2	20
Chrysene	ND		32.0	28.7		ug/L		90	44 - 122	1	15
Dibenz(a,h)anthracene	ND		32.0	25.8		ug/L		81	16 - 139	1	15
Dibenzofuran	ND		32.0	30.9		ug/L		97	60 - 120	11	15
Diethyl phthalate	ND		32.0	33.0		ug/L		103	53 - 133	3	15
Dimethyl phthalate	ND		32.0	34.3		ug/L		107	59 - 123	7	15
Di-n-butyl phthalate	ND		32.0	30.8		ug/L		96	65 - 129	1	15
Di-n-octyl phthalate	ND		32.0	27.4		ug/L		86	16 - 150	1	16
Fluoranthene	ND		32.0	29.5		ug/L		92	63 - 129	3	15
Fluorene	ND		32.0	31.2		ug/L		97	62 - 120	7	15
Hexachlorobenzene	ND		32.0	30.4		ug/L		95	57 - 121	1	15
Hexachlorobutadiene	ND		32.0	22.8		ug/L		71	37 - 120	19	44
Hexachlorocyclopentadiene	ND		32.0	14.9		ug/L		46	21 - 120	19	49
Hexachloroethane	ND		32.0	24.8		ug/L		77	16 - 130	10	46
Indeno(1,2,3-cd)pyrene	ND		32.0	27.8		ug/L		87	16 - 140	1	15
Isophorone	ND		32.0	30.4		ug/L		95	48 - 133	4	17
Naphthalene	ND		32.0	29.2		ug/L		91	45 - 120	10	29
Nitrobenzene	ND		32.0	30.0		ug/L		94	45 - 123	3	24
N-Nitrosodi-n-propylamine	ND		32.0	31.8		ug/L		99	49 - 120	5	31
N-Nitrosodiphenylamine	0.63	J	32.0	31.3		ug/L		96	39 - 138	1	15
Pentachlorophenol	ND		64.0	65.7		ug/L		103	10 - 149	13	37
Phenanthrene	ND		32.0	32.9		ug/L		103	65 - 122	3	15
Phenol	ND		32.0	18.9		ug/L		59	16 - 120	0	34
Pyrene	ND		32.0	27.6		ug/L		86	58 - 128	8	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	114		41 - 120
2-Fluorobiphenyl	97		48 - 120
2-Fluorophenol	76		35 - 120
Nitrobenzene-d5	100		46 - 120
Phenol-d5	59		22 - 120
p-Terphenyl-d14	59	S1-	60 - 148

# QC Sample Results

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

Job ID: 480-216046-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-696768/1-A**  
**Matrix: Water**  
**Analysis Batch: 696944**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.020	0.0068	mg/L		01/02/24 07:52	01/02/24 18:59	1
Arsenic	ND		0.015	0.0056	mg/L		01/02/24 07:52	01/02/24 18:59	1
Cadmium	ND		0.0020	0.00050	mg/L		01/02/24 07:52	01/02/24 18:59	1
Cobalt	ND		0.0040	0.00063	mg/L		01/02/24 07:52	01/02/24 18:59	1
Copper	ND		0.010	0.0016	mg/L		01/02/24 07:52	01/02/24 18:59	1
Lead	ND		0.010	0.0030	mg/L		01/02/24 07:52	01/02/24 18:59	1
Nickel	ND		0.010	0.0013	mg/L		01/02/24 07:52	01/02/24 18:59	1
Selenium	ND		0.025	0.0087	mg/L		01/02/24 07:52	01/02/24 18:59	1
Thallium	ND		0.020	0.010	mg/L		01/02/24 07:52	01/02/24 18:59	1
Vanadium	ND		0.0050	0.0015	mg/L		01/02/24 07:52	01/02/24 18:59	1
Zinc	ND		0.010	0.0015	mg/L		01/02/24 07:52	01/02/24 18:59	1

**Lab Sample ID: MB 480-696768/1-A**  
**Matrix: Water**  
**Analysis Batch: 697069**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	ND		0.050	0.019	mg/L		01/02/24 07:52	01/03/24 17:12	1
Manganese	ND		0.0030	0.00040	mg/L		01/02/24 07:52	01/03/24 17:12	1
Silver	0.00200	J	0.0060	0.0017	mg/L		01/02/24 07:52	01/03/24 17:12	1
Sodium	ND		1.0	0.32	mg/L		01/02/24 07:52	01/03/24 17:12	1

**Lab Sample ID: MB 480-696768/1-A**  
**Matrix: Water**  
**Analysis Batch: 697143**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		01/02/24 07:52	01/04/24 14:25	1
Beryllium	ND		0.0020	0.00030	mg/L		01/02/24 07:52	01/04/24 14:25	1
Chromium	ND		0.0040	0.0010	mg/L		01/02/24 07:52	01/04/24 14:25	1
Magnesium	ND		0.20	0.043	mg/L		01/02/24 07:52	01/04/24 14:25	1
Potassium	ND		0.50	0.10	mg/L		01/02/24 07:52	01/04/24 14:25	1

**Lab Sample ID: LCS 480-696768/2-A**  
**Matrix: Water**  
**Analysis Batch: 696944**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	0.200	0.210		mg/L		105	80 - 120
Arsenic	0.200	0.201		mg/L		101	80 - 120
Cadmium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.200	0.196		mg/L		98	80 - 120
Copper	0.200	0.199		mg/L		99	80 - 120
Lead	0.200	0.199		mg/L		100	80 - 120
Nickel	0.200	0.199		mg/L		99	80 - 120
Selenium	0.200	0.197		mg/L		99	80 - 120
Thallium	0.200	0.205		mg/L		102	80 - 120
Vanadium	0.200	0.204		mg/L		102	80 - 120
Zinc	0.200	0.203		mg/L		102	80 - 120

# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: LCS 480-696768/2-A**  
**Matrix: Water**  
**Analysis Batch: 697069**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	9.38		mg/L		94	80 - 120
Manganese	0.200	0.195		mg/L		98	80 - 120
Silver	0.0500	0.0483		mg/L		97	80 - 120
Sodium	10.0	10.08		mg/L		101	80 - 120

**Lab Sample ID: LCS 480-696768/2-A**  
**Matrix: Water**  
**Analysis Batch: 697143**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.04		mg/L		90	80 - 120
Chromium	0.200	0.197		mg/L		99	80 - 120
Magnesium	10.0	9.81		mg/L		98	80 - 120
Potassium	10.0	9.39		mg/L		94	80 - 120

**Lab Sample ID: LCS 480-696768/2-A**  
**Matrix: Water**  
**Analysis Batch: 697243**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.200	0.211		mg/L		106	80 - 120

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 696944**

**Client Sample ID: BCC Area C MW-C04\_MS**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	ND	^	10.0	10.78		mg/L		108	75 - 125
Antimony	ND		0.200	0.223		mg/L		111	75 - 125
Arsenic	ND		0.200	0.217		mg/L		109	75 - 125
Barium	0.63	F1	0.200	0.911	F1	mg/L		139	75 - 125
Cadmium	ND		0.200	0.214		mg/L		107	75 - 125
Calcium	305		10.0	322.9	4	mg/L		181	75 - 125
Chromium	ND	^	0.200	0.198		mg/L		99	75 - 125
Cobalt	ND		0.200	0.209		mg/L		105	75 - 125
Iron	3.1	^	10.0	14.94		mg/L		119	75 - 125
Lead	ND		0.200	0.213		mg/L		107	75 - 125
Magnesium	44.6	^	10.0	55.36	4	mg/L		108	75 - 125
Manganese	0.85	^	0.200	1.07	4	mg/L		112	75 - 125
Nickel	ND		0.200	0.211		mg/L		106	75 - 125
Potassium	13.5	^	10.0	25.11		mg/L		116	75 - 125
Selenium	ND		0.200	0.213		mg/L		106	75 - 125
Silver	ND	^	0.0500	0.0523	B	mg/L		105	75 - 125
Thallium	ND		0.200	0.209		mg/L		104	75 - 125
Vanadium	ND		0.200	0.213		mg/L		107	75 - 125
Zinc	0.0031	J	0.200	0.208	B	mg/L		102	75 - 125



# QC Sample Results

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

Job ID: 480-216046-1

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

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 697069**

**Client Sample ID: BCC Area C MW-C04\_MS**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.0044	J	0.200	0.209		mg/L		102	75 - 125
Sodium	136		10.0	154.0	4	mg/L		177	75 - 125

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 697243**

**Client Sample ID: BCC Area C MW-C04\_MS**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	ND		0.200	0.235		mg/L		117	75 - 125

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 696944**

**Client Sample ID: BCC Area C MW-C04\_MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	ND	^	10.0	10.58		mg/L		106	75 - 125	2	20
Antimony	ND		0.200	0.213		mg/L		107	75 - 125	4	20
Arsenic	ND		0.200	0.212		mg/L		106	75 - 125	2	20
Barium	0.63	F1	0.200	0.888	F1	mg/L		127	75 - 125	2	20
Cadmium	ND		0.200	0.208		mg/L		104	75 - 125	3	20
Calcium	305		10.0	317.1	4	mg/L		123	75 - 125	2	20
Chromium	ND	^	0.200	0.194		mg/L		97	75 - 125	2	20
Cobalt	ND		0.200	0.203		mg/L		102	75 - 125	3	20
Iron	3.1	^	10.0	14.52		mg/L		115	75 - 125	3	20
Lead	ND		0.200	0.207		mg/L		104	75 - 125	3	20
Magnesium	44.6	^	10.0	54.48	4	mg/L		99	75 - 125	2	20
Manganese	0.85	^	0.200	1.05	4	mg/L		101	75 - 125	2	20
Nickel	ND		0.200	0.205		mg/L		103	75 - 125	3	20
Potassium	13.5	^	10.0	24.65		mg/L		112	75 - 125	2	20
Selenium	ND		0.200	0.206		mg/L		103	75 - 125	3	20
Silver	ND	^	0.0500	0.0516	B	mg/L		103	75 - 125	1	20
Thallium	ND		0.200	0.204		mg/L		102	75 - 125	2	20
Vanadium	ND		0.200	0.208		mg/L		104	75 - 125	2	20
Zinc	0.0031	J	0.200	0.203	B	mg/L		100	75 - 125	2	20

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 697069**

**Client Sample ID: BCC Area C MW-C04\_MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.0044	J	0.200	0.201		mg/L		98	75 - 125	4	20
Sodium	136		10.0	149.5	4	mg/L		133	75 - 125	3	20

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 697243**

**Client Sample ID: BCC Area C MW-C04\_MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 696768**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	ND		0.200	0.228		mg/L		114	75 - 125	3	20



# QC Sample Results

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

Job ID: 480-216046-1

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-696726/1-A**  
**Matrix: Water**  
**Analysis Batch: 696782**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 696726**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		12/29/23 11:59	12/29/23 15:14	1

**Lab Sample ID: LCS 480-696726/2-A**  
**Matrix: Water**  
**Analysis Batch: 696782**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 696726**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00700		mg/L		105	80 - 120

**Lab Sample ID: 480-216046-2 MS**  
**Matrix: Water**  
**Analysis Batch: 696782**

**Client Sample ID: BCC Area C MW-C04\_MS**  
**Prep Type: Total/NA**  
**Prep Batch: 696726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00658		mg/L		98	80 - 120

**Lab Sample ID: 480-216046-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 696782**

**Client Sample ID: BCC Area C MW-C04\_MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 696726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00660		mg/L		99	80 - 120	0	20

# QC Association Summary

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

Job ID: 480-216046-1

## GC/MS VOA

### Analysis Batch: 696697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	8260C	
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	8260C	
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	8260C	
480-216046-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-696697/31	Method Blank	Total/NA	Water	8260C	
LCS 480-696697/30	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 696721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	8260C	
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	8260C	
MB 480-696721/8	Method Blank	Total/NA	Water	8260C	
LCS 480-696721/6	Lab Control Sample	Total/NA	Water	8260C	
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	8260C	
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	8260C	

## GC/MS Semi VOA

### Prep Batch: 696880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	3510C	
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	3510C	
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	3510C	
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	3510C	
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	3510C	
MB 480-696880/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-696880/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	3510C	
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	3510C	

### Analysis Batch: 697052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	8270D	696880
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	8270D	696880
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	8270D	696880
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	8270D	696880
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	8270D	696880
MB 480-696880/1-A	Method Blank	Total/NA	Water	8270D	696880
LCS 480-696880/2-A	Lab Control Sample	Total/NA	Water	8270D	696880
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	8270D	696880
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	8270D	696880

## Metals

### Prep Batch: 696726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	7470A	
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	7470A	
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	7470A	
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	7470A	
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	7470A	
MB 480-696726/1-A	Method Blank	Total/NA	Water	7470A	

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# QC Association Summary

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

Job ID: 480-216046-1

## Metals (Continued)

### Prep Batch: 696726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-696726/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	7470A	
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	7470A	

### Prep Batch: 696768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	3005A	
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	3005A	
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	3005A	
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	3005A	
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	3005A	
MB 480-696768/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-696768/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	3005A	
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	3005A	

### Analysis Batch: 696782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	7470A	696726
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	7470A	696726
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	7470A	696726
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	7470A	696726
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	7470A	696726
MB 480-696726/1-A	Method Blank	Total/NA	Water	7470A	696726
LCS 480-696726/2-A	Lab Control Sample	Total/NA	Water	7470A	696726
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	7470A	696726
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	7470A	696726

### Analysis Batch: 696944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	6010C	696768
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	6010C	696768
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	6010C	696768
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	6010C	696768
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	6010C	696768
MB 480-696768/1-A	Method Blank	Total/NA	Water	6010C	696768
LCS 480-696768/2-A	Lab Control Sample	Total/NA	Water	6010C	696768
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	6010C	696768
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	6010C	696768

### Analysis Batch: 697069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	6010C	696768
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	6010C	696768
480-216046-3	BCC Area C RFI-20A	Total/NA	Ground Water	6010C	696768
480-216046-4	BCC Area C PS-05A	Total/NA	Ground Water	6010C	696768
480-216046-5	BCC Area C MW-C04_D	Total/NA	Ground Water	6010C	696768
MB 480-696768/1-A	Method Blank	Total/NA	Water	6010C	696768
LCS 480-696768/2-A	Lab Control Sample	Total/NA	Water	6010C	696768
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	6010C	696768
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	6010C	696768

# QC Association Summary

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

Job ID: 480-216046-1

## Metals

### Analysis Batch: 697143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	6010C	696768
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	6010C	696768
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	6010C	696768
MB 480-696768/1-A	Method Blank	Total/NA	Water	6010C	696768
LCS 480-696768/2-A	Lab Control Sample	Total/NA	Water	6010C	696768

### Analysis Batch: 697243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216046-1	BCC Area C RFI-31A	Total/NA	Ground Water	6010C	696768
480-216046-2	BCC Area C MW-C04	Total/NA	Ground Water	6010C	696768
LCS 480-696768/2-A	Lab Control Sample	Total/NA	Water	6010C	696768
480-216046-2 MS	BCC Area C MW-C04_MS	Total/NA	Water	6010C	696768
480-216046-2 MSD	BCC Area C MW-C04_MSD	Total/NA	Water	6010C	696768

# Lab Chronicle

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216046-1**

**Date Collected: 12/28/23 12:45**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	696697	LCH	EET BUF	12/29/23 15:08
Total/NA	Prep	3510C			696880	LSC	EET BUF	01/02/24 14:11
Total/NA	Analysis	8270D		1	697052	JMM	EET BUF	01/04/24 21:48
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	696944	BMB	EET BUF	01/02/24 19:06
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697069	BMB	EET BUF	01/03/24 17:19
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697143	BMB	EET BUF	01/04/24 14:42
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		5	697143	BMB	EET BUF	01/04/24 14:46
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697243	BMB	EET BUF	01/05/24 12:30
Total/NA	Prep	7470A			696726	NVK	EET BUF	12/29/23 11:59
Total/NA	Analysis	7470A		1	696782	NVK	EET BUF	12/29/23 15:20

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216046-2**

**Date Collected: 12/28/23 09:15**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	696721	AXK	EET BUF	12/29/23 13:57
Total/NA	Prep	3510C			696880	LSC	EET BUF	01/02/24 14:11
Total/NA	Analysis	8270D		1	697052	JMM	EET BUF	01/04/24 20:54
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	696944	BMB	EET BUF	01/02/24 19:09
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697069	BMB	EET BUF	01/03/24 17:22
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697143	BMB	EET BUF	01/04/24 14:49
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697243	BMB	EET BUF	01/05/24 12:34
Total/NA	Prep	7470A			696726	NVK	EET BUF	12/29/23 11:59
Total/NA	Analysis	7470A		1	696782	NVK	EET BUF	12/29/23 15:21

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216046-3**

**Date Collected: 12/28/23 10:30**

**Matrix: Ground Water**

**Date Received: 12/28/23 13:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	696697	LCH	EET BUF	12/29/23 15:31
Total/NA	Prep	3510C			696880	LSC	EET BUF	01/02/24 14:11
Total/NA	Analysis	8270D		1	697052	JMM	EET BUF	01/04/24 22:15
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	696944	BMB	EET BUF	01/02/24 19:37

Eurofins Buffalo

# Lab Chronicle

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

Job ID: 480-216046-1

**Client Sample ID: BCC Area C RFI-20A**  
**Date Collected: 12/28/23 10:30**  
**Date Received: 12/28/23 13:45**

**Lab Sample ID: 480-216046-3**  
**Matrix: Ground Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697069	BMB	EET BUF	01/03/24 17:50
Total/NA	Prep	7470A			696726	NVK	EET BUF	12/29/23 11:59
Total/NA	Analysis	7470A		1	696782	NVK	EET BUF	12/29/23 15:29

**Client Sample ID: BCC Area C PS-05A**  
**Date Collected: 12/28/23 11:45**  
**Date Received: 12/28/23 13:45**

**Lab Sample ID: 480-216046-4**  
**Matrix: Ground Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	696721	AXK	EET BUF	12/29/23 14:19
Total/NA	Prep	3510C			696880	LSC	EET BUF	01/02/24 14:11
Total/NA	Analysis	8270D		1	697052	JMM	EET BUF	01/04/24 22:42
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	696944	BMB	EET BUF	01/02/24 19:40
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697069	BMB	EET BUF	01/03/24 17:53
Total/NA	Prep	7470A			696726	NVK	EET BUF	12/29/23 11:59
Total/NA	Analysis	7470A		1	696782	NVK	EET BUF	12/29/23 15:31

**Client Sample ID: BCC Area C MW-C04\_D**  
**Date Collected: 12/28/23 09:20**  
**Date Received: 12/28/23 13:45**

**Lab Sample ID: 480-216046-5**  
**Matrix: Ground Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	696697	LCH	EET BUF	12/29/23 15:55
Total/NA	Prep	3510C			696880	LSC	EET BUF	01/02/24 14:11
Total/NA	Analysis	8270D		1	697052	JMM	EET BUF	01/04/24 23:09
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	696944	BMB	EET BUF	01/02/24 19:44
Total/NA	Prep	3005A			696768	EMO	EET BUF	01/02/24 07:52
Total/NA	Analysis	6010C		1	697069	BMB	EET BUF	01/03/24 17:56
Total/NA	Prep	7470A			696726	NVK	EET BUF	12/29/23 11:59
Total/NA	Analysis	7470A		1	696782	NVK	EET BUF	12/29/23 15:32

**Client Sample ID: TRIP BLANK**  
**Date Collected: 12/28/23 08:30**  
**Date Received: 12/28/23 13:45**

**Lab Sample ID: 480-216046-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	696697	LCH	EET BUF	12/29/23 16:18

**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: 480-216046-1

## Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

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# Method Summary

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

Job ID: 480-216046-1

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: 480-216046-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216046-1	BCC Area C RFI-31A	Ground Water	12/28/23 12:45	12/28/23 13:45
480-216046-2	BCC Area C MW-C04	Ground Water	12/28/23 09:15	12/28/23 13:45
480-216046-3	BCC Area C RFI-20A	Ground Water	12/28/23 10:30	12/28/23 13:45
480-216046-4	BCC Area C PS-05A	Ground Water	12/28/23 11:45	12/28/23 13:45
480-216046-5	BCC Area C MW-C04_D	Ground Water	12/28/23 09:20	12/28/23 13:45
480-216046-6	TRIP BLANK	Water	12/28/23 08:30	12/28/23 13:45

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**Chain of Custody Record**



4th QTR "23"  
 Area C 231  
 Environment Testing

<b>Client Information</b>		Lab PM: Schove, John R		Camer Tracking No(s): OSC		COC No: 480-189549-6265.1	
Client Contact: Kirsten Colligan		E-Mail: John.Schove@et.eurofins.com		State of Origin: NY		Page: Page 1 of 1	
Company: Ontario Specialty Contracting, Inc.		PWISID		Analysis Requested		Job #: 16011	
Address: 140 Lee St.		Due Date Requested: Standard		TAT Requested (days): 2 weeks		Preservation Codes:	
City: Buffalo		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 60962		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone: 716-856-3333		WO #: 66964		Project #: 48003159		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)	
Email: kcolligan@oscinc.com		SSOW#:		Site: New York		Special Instructions/Note:	
Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=soil)		Preservation Code		Form MS/MSD (No)		Total Number of Containers	
BCC Area C RFI-31A		10-08-23 12:45		G		Water	
BCC Area C MW-C04		9:15		G		Water	
BCC Area C RFI-20A		10:30		G		Water	
BCC Area C PS-05A		11:45		G		Water	
BCC Area C MWCOY D		9:20		G		Water	
BCC Area C MWCOY MS		9:25		G		Water	
BCC Area C MWCOYMSD		9:30		G		Water	
TRIP BLANK		8:30		G		Water	
Barcode: 480-216046 Chain of Custody							
<b>Possible Hazard Identification</b>		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant	
Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Jeff - Hughman		12-08-23		13:45		Company: OSC	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No: 2095592		Cooler Temperature(s) °C and Other Remarks: 4.6 #1 106		Ver: 06/08/2021	

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-216046-1

**Login Number: 216046**

**List Number: 1**

**Creator: Stopa, Erik S**

**List Source: Eurofins Buffalo**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kirsten Colligan  
Ontario Specialty Contracting, Inc.  
140 Lee St.  
Buffalo, New York 14210  
Generated 2/19/2024 10:47:49 AM

## JOB DESCRIPTION

Buffalo Color Area C Wells

## JOB NUMBER

480-216945-1

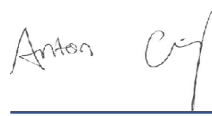
# Eurofins Buffalo

## Job Notes

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

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

## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	6
Detection Summary . . . . .	8
Client Sample Results . . . . .	10
Surrogate Summary . . . . .	32
QC Sample Results . . . . .	33
QC Association Summary . . . . .	51
Lab Chronicle . . . . .	54
Certification Summary . . . . .	57
Method Summary . . . . .	58
Sample Summary . . . . .	59
Chain of Custody . . . . .	60
Receipt Checklists . . . . .	61

# Definitions/Glossary

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

Job ID: 480-216945-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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

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# Definitions/Glossary

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

Job ID: 480-216945-1

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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# Case Narrative

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

Job ID: 480-216945-1

**Job ID: 480-216945-1**

**Eurofins Buffalo**

## Job Narrative 480-216945-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 2/8/2024 2:45 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 12.1°C

### GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area C MW-C04 (480-216945-2). 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 D (480-216945-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-700465 were outside control limits for one or more analytes. See QC Sample Results for detail.

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 RFI-31A MS (480-216945-1[MS]) and BCC Area C MW-C04 (480-216945-2). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-700755 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-700755 was outside criteria for the following analyte(s): Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-700602 and analytical batch 480-700755 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### Metals

Method 6010C: The method blank for preparation batch 480-700398 and analytical batch 480-700617 contained total Calcium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The method blank for preparation batch 480-700398 and analytical batch 480-700617 contained total Manganese above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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# Case Narrative

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

Job ID: 480-216945-1

**Job ID: 480-216945-1 (Continued)**

**Eurofins Buffalo**

Method 6010C: The continuing calibration blank (CCB) for analytical batch 480-700882 contained total Sodium above the reporting limit (RL). All reported samples associated with this CCB contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010C: The low level continuing calibration verification (CCVL) for analytical batch 480-700882 recovered above the upper control limit for (total Sodium). The samples associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples BCC Area C RFI-31A (480-216945-1) and BCC Area C RFI 31A D (480-216945-5) was not performed.

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: 480-216945-1

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

## Lab Sample ID: 480-216945-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	11	F1	1.0	0.41	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	1.8	F1	1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	66	F1	1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	12	F1	1.0	0.84	ug/L	1		8260C	Total/NA
Chlorobenzene	9.1	F1	1.0	0.75	ug/L	1		8260C	Total/NA
Chloromethane	0.37	J	1.0	0.35	ug/L	1		8260C	Total/NA
2,4-Dichlorophenol	0.57	J	5.0	0.51	ug/L	1		8270D	Total/NA
Barium	0.019		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	188	B	0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.95		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.022		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	77.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.72	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0015	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	1540	B ^2 ^+	5.0	1.6	mg/L	5		6010C	Total/NA
Zinc	0.0029	J	0.010	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-216945-2

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	22		8.0	6.7	ug/L	8		8260C	Total/NA
Chlorobenzene	170		8.0	6.0	ug/L	8		8260C	Total/NA
2,4-Dichlorophenol	1.4	J	5.0	0.51	ug/L	1		8270D	Total/NA
Aniline	1.2	J	10	0.61	ug/L	1		8270D	Total/NA
Aluminum	0.065	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.41		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	261	B	0.50	0.10	mg/L	1		6010C	Total/NA
Iron	2.5		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.030		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	53.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.74	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	12.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	158		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0081	J	0.010	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-216945-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.056		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.077		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	215	B	0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0018	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Iron	43.6	B	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.037		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	18.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.52		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0018	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	8.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	63.8		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.026		0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Detection Summary

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

Job ID: 480-216945-1

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

## Lab Sample ID: 480-216945-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.47		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.077		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	124	B	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	0.0034	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.71		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.023		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	26.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.089		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	3.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	30.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0065	J	0.010	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: BCC Area C RFI 31A D

## Lab Sample ID: 480-216945-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	20		2.0	0.82	ug/L	2		8260C	Total/NA
1,2-Dichlorobenzene	3.0		2.0	1.6	ug/L	2		8260C	Total/NA
1,3-Dichlorobenzene	110		2.0	1.6	ug/L	2		8260C	Total/NA
1,4-Dichlorobenzene	19		2.0	1.7	ug/L	2		8260C	Total/NA
Chlorobenzene	16		2.0	1.5	ug/L	2		8260C	Total/NA
2,4-Dichlorophenol	0.60	J	5.0	0.51	ug/L	1		8270D	Total/NA
Barium	0.019		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	183	B	0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.93		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.021		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	76.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.75		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0015	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	9.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1580	B ^2 ^+	5.0	1.6	mg/L	5		6010C	Total/NA
Zinc	0.0024	J	0.010	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 480-216945-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216945-1**

**Date Collected: 02/08/24 13:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/12/24 13:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/12/24 13:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/12/24 13:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/12/24 13:58	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			02/12/24 13:58	1
1,1-Dichloroethene	ND	F1	1.0	0.29	ug/L			02/12/24 13:58	1
<b>1,2,4-Trichlorobenzene</b>	<b>11</b>	<b>F1</b>	1.0	0.41	ug/L			02/12/24 13:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/12/24 13:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/12/24 13:58	1
<b>1,2-Dichlorobenzene</b>	<b>1.8</b>	<b>F1</b>	1.0	0.79	ug/L			02/12/24 13:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/12/24 13:58	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			02/12/24 13:58	1
<b>1,3-Dichlorobenzene</b>	<b>66</b>	<b>F1</b>	1.0	0.78	ug/L			02/12/24 13:58	1
<b>1,4-Dichlorobenzene</b>	<b>12</b>	<b>F1</b>	1.0	0.84	ug/L			02/12/24 13:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/12/24 13:58	1
2-Hexanone	ND		5.0	1.2	ug/L			02/12/24 13:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/12/24 13:58	1
Acetone	ND		10	3.0	ug/L			02/12/24 13:58	1
Benzene	ND	F1	1.0	0.41	ug/L			02/12/24 13:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/12/24 13:58	1
Bromoform	ND		1.0	0.26	ug/L			02/12/24 13:58	1
Bromomethane	ND		1.0	0.69	ug/L			02/12/24 13:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/12/24 13:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/12/24 13:58	1
<b>Chlorobenzene</b>	<b>9.1</b>	<b>F1</b>	1.0	0.75	ug/L			02/12/24 13:58	1
Chloroethane	ND		1.0	0.32	ug/L			02/12/24 13:58	1
Chloroform	ND		1.0	0.34	ug/L			02/12/24 13:58	1
<b>Chloromethane</b>	<b>0.37</b>	<b>J</b>	1.0	0.35	ug/L			02/12/24 13:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/12/24 13:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/12/24 13:58	1
Cyclohexane	ND		1.0	0.18	ug/L			02/12/24 13:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/12/24 13:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/12/24 13:58	1
Ethylbenzene	ND	F1	1.0	0.74	ug/L			02/12/24 13:58	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			02/12/24 13:58	1
Methyl acetate	ND		2.5	1.3	ug/L			02/12/24 13:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/12/24 13:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/12/24 13:58	1
Methylene Chloride	ND	F1	1.0	0.44	ug/L			02/12/24 13:58	1
Styrene	ND		1.0	0.73	ug/L			02/12/24 13:58	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			02/12/24 13:58	1
Toluene	ND	F1	1.0	0.51	ug/L			02/12/24 13:58	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			02/12/24 13:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/12/24 13:58	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			02/12/24 13:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/12/24 13:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/12/24 13:58	1
Xylenes, Total	ND	F1	2.0	0.66	ug/L			02/12/24 13:58	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216945-1**

**Date Collected: 02/08/24 13:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		02/12/24 13:58	1
4-Bromofluorobenzene (Surr)	93		73 - 120		02/12/24 13:58	1
Toluene-d8 (Surr)	105		80 - 120		02/12/24 13:58	1
Dibromofluoromethane (Surr)	100		75 - 123		02/12/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	F2	5.0	0.48	ug/L		02/13/24 08:59	02/14/24 18:38	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 18:38	1
<b>2,4-Dichlorophenol</b>	<b>0.57</b>	<b>J</b>	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 18:38	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 18:38	1
2,4-Dinitrophenol	ND	F2	10	2.2	ug/L		02/13/24 08:59	02/14/24 18:38	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 18:38	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Nitroaniline	ND	F2	10	0.42	ug/L		02/13/24 08:59	02/14/24 18:38	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 18:38	1
3,3'-Dichlorobenzidine	ND	F1	5.0	0.40	ug/L		02/13/24 08:59	02/14/24 18:38	1
3-Nitroaniline	ND	F2	10	0.48	ug/L		02/13/24 08:59	02/14/24 18:38	1
4,6-Dinitro-2-methylphenol	ND	F2	10	2.2	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Bromophenyl phenyl ether	ND	F2	5.0	0.45	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Chlorophenyl phenyl ether	ND	F2	5.0	0.35	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Nitroaniline	ND	F2	10	0.25	ug/L		02/13/24 08:59	02/14/24 18:38	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 18:38	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 18:38	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 18:38	1
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 18:38	1
Aniline	ND		10	0.61	ug/L		02/13/24 08:59	02/14/24 18:38	1
Anthracene	ND	F2	5.0	0.28	ug/L		02/13/24 08:59	02/14/24 18:38	1
Atrazine	ND	F2	5.0	0.46	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzo(a)anthracene	ND	F2	5.0	0.36	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzo(a)pyrene	ND	F2	5.0	0.47	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzo(b)fluoranthene	ND	F2	5.0	0.34	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzo(g,h,i)perylene	ND	F2	5.0	0.35	ug/L		02/13/24 08:59	02/14/24 18:38	1
Benzo(k)fluoranthene	ND	F2	5.0	0.73	ug/L		02/13/24 08:59	02/14/24 18:38	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 18:38	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 18:38	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 18:38	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 18:38	1
Bis(2-ethylhexyl) phthalate	ND	F2	5.0	2.2	ug/L		02/13/24 08:59	02/14/24 18:38	1
Butyl benzyl phthalate	ND	F2	5.0	1.0	ug/L		02/13/24 08:59	02/14/24 18:38	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 18:38	1
Carbazole	ND	F2	5.0	0.30	ug/L		02/13/24 08:59	02/14/24 18:38	1

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216945-1**

**Date Collected: 02/08/24 13:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

**Method: SW846 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		02/13/24 08:59	02/14/24 18:38	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		02/13/24 08:59	02/14/24 18:38	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 18:38	1
Diethyl phthalate	ND	F2	5.0	0.22	ug/L		02/13/24 08:59	02/14/24 18:38	1
Dimethyl phthalate	ND	F2	5.0	0.36	ug/L		02/13/24 08:59	02/14/24 18:38	1
Di-n-butyl phthalate	ND	F2	5.0	0.31	ug/L		02/13/24 08:59	02/14/24 18:38	1
Di-n-octyl phthalate	ND	F2	5.0	0.47	ug/L		02/13/24 08:59	02/14/24 18:38	1
Fluoranthene	ND	F2	5.0	0.40	ug/L		02/13/24 08:59	02/14/24 18:38	1
Fluorene	ND	F2	5.0	0.36	ug/L		02/13/24 08:59	02/14/24 18:38	1
Hexachlorobenzene	ND	F2	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 18:38	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 18:38	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 18:38	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 18:38	1
Indeno(1,2,3-cd)pyrene	ND	F2	5.0	0.47	ug/L		02/13/24 08:59	02/14/24 18:38	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 18:38	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 18:38	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 18:38	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 18:38	1
N-Nitrosodiphenylamine	ND	F2	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 18:38	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 18:38	1
Phenanthrene	ND	F2	5.0	0.44	ug/L		02/13/24 08:59	02/14/24 18:38	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 18:38	1
Pyrene	ND	F2	5.0	0.34	ug/L		02/13/24 08:59	02/14/24 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		41 - 120	02/13/24 08:59	02/14/24 18:38	1
2-Fluorobiphenyl	81		48 - 120	02/13/24 08:59	02/14/24 18:38	1
2-Fluorophenol	62		35 - 120	02/13/24 08:59	02/14/24 18:38	1
Nitrobenzene-d5	76		46 - 120	02/13/24 08:59	02/14/24 18:38	1
Phenol-d5	45		22 - 120	02/13/24 08:59	02/14/24 18:38	1
p-Terphenyl-d14	72		60 - 148	02/13/24 08:59	02/14/24 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/12/24 10:18	02/13/24 16:43	1
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/13/24 00:01	1
Arsenic	ND		0.015	0.0056	mg/L		02/12/24 10:18	02/13/24 00:01	1
Barium	0.019		0.0020	0.00070	mg/L		02/12/24 10:18	02/13/24 00:01	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/13/24 00:01	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/13/24 00:01	1
Calcium	188	B	0.50	0.10	mg/L		02/12/24 10:18	02/13/24 00:01	1
Chromium	ND		0.0040	0.0010	mg/L		02/12/24 10:18	02/13/24 00:01	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/13/24 00:01	1
Copper	ND		0.010	0.0016	mg/L		02/12/24 10:18	02/13/24 00:01	1
Iron	0.95		0.050	0.019	mg/L		02/15/24 08:21	02/16/24 01:07	1
Lead	0.022		0.010	0.0030	mg/L		02/12/24 10:18	02/13/24 00:01	1
Magnesium	77.2		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:07	1
Manganese	0.72	B	0.0030	0.00040	mg/L		02/12/24 10:18	02/13/24 00:01	1
Nickel	0.0015	J	0.010	0.0013	mg/L		02/12/24 10:18	02/13/24 00:01	1
Potassium	9.6		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:07	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216945-1**

Date Collected: 02/08/24 13:00

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/13/24 00:01	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/13/24 00:01	1
<b>Sodium</b>	<b>1540</b>	<b>B ^2 ^+</b>	5.0	1.6	mg/L		02/12/24 10:18	02/14/24 16:11	5
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/13/24 00:01	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/13/24 00:01	1
<b>Zinc</b>	<b>0.0029</b>	<b>J</b>	0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:07	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:49	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216945-2**

Date Collected: 02/08/24 09:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			02/09/24 15:52	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			02/09/24 15:52	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			02/09/24 15:52	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			02/09/24 15:52	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			02/09/24 15:52	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			02/09/24 15:52	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			02/09/24 15:52	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			02/09/24 15:52	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			02/09/24 15:52	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			02/09/24 15:52	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			02/09/24 15:52	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			02/09/24 15:52	8
<b>1,3-Dichlorobenzene</b>	<b>12</b>		8.0	6.2	ug/L			02/09/24 15:52	8
<b>1,4-Dichlorobenzene</b>	<b>22</b>		8.0	6.7	ug/L			02/09/24 15:52	8
2-Butanone (MEK)	ND		80	11	ug/L			02/09/24 15:52	8
2-Hexanone	ND		40	9.9	ug/L			02/09/24 15:52	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			02/09/24 15:52	8
Acetone	ND		80	24	ug/L			02/09/24 15:52	8
Benzene	ND		8.0	3.3	ug/L			02/09/24 15:52	8
Bromodichloromethane	ND		8.0	3.1	ug/L			02/09/24 15:52	8
Bromoform	ND		8.0	2.1	ug/L			02/09/24 15:52	8
Bromomethane	ND		8.0	5.5	ug/L			02/09/24 15:52	8
Carbon disulfide	ND		8.0	1.5	ug/L			02/09/24 15:52	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			02/09/24 15:52	8
<b>Chlorobenzene</b>	<b>170</b>		8.0	6.0	ug/L			02/09/24 15:52	8
Chloroethane	ND		8.0	2.6	ug/L			02/09/24 15:52	8
Chloroform	ND		8.0	2.7	ug/L			02/09/24 15:52	8
Chloromethane	ND		8.0	2.8	ug/L			02/09/24 15:52	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			02/09/24 15:52	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			02/09/24 15:52	8
Cyclohexane	ND		8.0	1.4	ug/L			02/09/24 15:52	8
Dibromochloromethane	ND		8.0	2.6	ug/L			02/09/24 15:52	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			02/09/24 15:52	8
Ethylbenzene	ND		8.0	5.9	ug/L			02/09/24 15:52	8
Isopropylbenzene	ND		8.0	6.3	ug/L			02/09/24 15:52	8
Methyl acetate	ND		20	10	ug/L			02/09/24 15:52	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			02/09/24 15:52	8
Methylcyclohexane	ND		8.0	1.3	ug/L			02/09/24 15:52	8
Methylene Chloride	ND		8.0	3.5	ug/L			02/09/24 15:52	8
Styrene	ND		8.0	5.8	ug/L			02/09/24 15:52	8
Tetrachloroethene	ND		8.0	2.9	ug/L			02/09/24 15:52	8
Toluene	ND		8.0	4.1	ug/L			02/09/24 15:52	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			02/09/24 15:52	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			02/09/24 15:52	8
Trichloroethene	ND		8.0	3.7	ug/L			02/09/24 15:52	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			02/09/24 15:52	8
Vinyl chloride	ND		8.0	7.2	ug/L			02/09/24 15:52	8
Xylenes, Total	ND		16	5.3	ug/L			02/09/24 15:52	8

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216945-2**

**Date Collected: 02/08/24 09:55**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		02/09/24 15:52	8
4-Bromofluorobenzene (Surr)	103		73 - 120		02/09/24 15:52	8
Toluene-d8 (Surr)	100		80 - 120		02/09/24 15:52	8
Dibromofluoromethane (Surr)	91		75 - 123		02/09/24 15:52	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 19:06	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 19:06	1
<b>2,4-Dichlorophenol</b>	<b>1.4</b>	<b>J</b>	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:06	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 19:06	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:06	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:06	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Nitroaniline	ND		10	0.42	ug/L		02/13/24 08:59	02/14/24 19:06	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 19:06	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:06	1
3-Nitroaniline	ND		10	0.48	ug/L		02/13/24 08:59	02/14/24 19:06	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Nitroaniline	ND		10	0.25	ug/L		02/13/24 08:59	02/14/24 19:06	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 19:06	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 19:06	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 19:06	1
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 19:06	1
<b>Aniline</b>	<b>1.2</b>	<b>J</b>	10	0.61	ug/L		02/13/24 08:59	02/14/24 19:06	1
Anthracene	ND		5.0	0.28	ug/L		02/13/24 08:59	02/14/24 19:06	1
Atrazine	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:06	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/13/24 08:59	02/14/24 19:06	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 19:06	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 19:06	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:06	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:06	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 19:06	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/13/24 08:59	02/14/24 19:06	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 19:06	1
Carbazole	ND		5.0	0.30	ug/L		02/13/24 08:59	02/14/24 19:06	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216945-2**

Date Collected: 02/08/24 09:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/13/24 08:59	02/14/24 19:06	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/13/24 08:59	02/14/24 19:06	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 19:06	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/13/24 08:59	02/14/24 19:06	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:06	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/13/24 08:59	02/14/24 19:06	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:06	1
Fluoranthene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:06	1
Fluorene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:06	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:06	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 19:06	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:06	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:06	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:06	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 19:06	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 19:06	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 19:06	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 19:06	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:06	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:06	1
Phenanthrene	ND		5.0	0.44	ug/L		02/13/24 08:59	02/14/24 19:06	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 19:06	1
Pyrene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		41 - 120	02/13/24 08:59	02/14/24 19:06	1
2-Fluorobiphenyl	84		48 - 120	02/13/24 08:59	02/14/24 19:06	1
2-Fluorophenol	61		35 - 120	02/13/24 08:59	02/14/24 19:06	1
Nitrobenzene-d5	70		46 - 120	02/13/24 08:59	02/14/24 19:06	1
Phenol-d5	46		22 - 120	02/13/24 08:59	02/14/24 19:06	1
p-Terphenyl-d14	52	S1-	60 - 148	02/13/24 08:59	02/14/24 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.065</b>	<b>J</b>	0.20	0.060	mg/L		02/12/24 10:18	02/13/24 17:04	1
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/13/24 00:12	1
Arsenic	ND		0.015	0.0056	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Barium</b>	<b>0.41</b>		0.0020	0.00070	mg/L		02/12/24 10:18	02/13/24 00:12	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/13/24 00:12	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Calcium</b>	<b>261</b>	<b>B</b>	0.50	0.10	mg/L		02/12/24 10:18	02/13/24 00:12	1
Chromium	ND		0.0040	0.0010	mg/L		02/12/24 10:18	02/13/24 00:12	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/13/24 00:12	1
Copper	ND		0.010	0.0016	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Iron</b>	<b>2.5</b>		0.050	0.019	mg/L		02/15/24 08:21	02/16/24 01:34	1
<b>Lead</b>	<b>0.030</b>		0.010	0.0030	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Magnesium</b>	<b>53.6</b>		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:34	1
<b>Manganese</b>	<b>0.74</b>	<b>B</b>	0.0030	0.00040	mg/L		02/12/24 10:18	02/13/24 00:12	1
Nickel	ND		0.010	0.0013	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Potassium</b>	<b>12.7</b>		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:34	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216945-2**

Date Collected: 02/08/24 09:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/13/24 00:12	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Sodium</b>	<b>158</b>		1.0	0.32	mg/L		02/15/24 08:21	02/16/24 01:34	1
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/13/24 00:12	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/13/24 00:12	1
<b>Zinc</b>	<b>0.0081</b>	<b>J</b>	0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:34	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:55	1



# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

Date Collected: 02/08/24 10:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/09/24 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/09/24 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/09/24 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/09/24 16:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/09/24 16:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/09/24 16:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/09/24 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/09/24 16:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/09/24 16:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/09/24 16:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/09/24 16:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/09/24 16:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/09/24 16:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/09/24 16:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/09/24 16:15	1
2-Hexanone	ND		5.0	1.2	ug/L			02/09/24 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/09/24 16:15	1
Acetone	ND		10	3.0	ug/L			02/09/24 16:15	1
Benzene	ND		1.0	0.41	ug/L			02/09/24 16:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/09/24 16:15	1
Bromoform	ND		1.0	0.26	ug/L			02/09/24 16:15	1
Bromomethane	ND		1.0	0.69	ug/L			02/09/24 16:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/09/24 16:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/09/24 16:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/09/24 16:15	1
Chloroethane	ND		1.0	0.32	ug/L			02/09/24 16:15	1
Chloroform	ND		1.0	0.34	ug/L			02/09/24 16:15	1
Chloromethane	ND		1.0	0.35	ug/L			02/09/24 16:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/09/24 16:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/09/24 16:15	1
Cyclohexane	ND		1.0	0.18	ug/L			02/09/24 16:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/09/24 16:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/09/24 16:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/09/24 16:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/09/24 16:15	1
Methyl acetate	ND		2.5	1.3	ug/L			02/09/24 16:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/09/24 16:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/09/24 16:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/09/24 16:15	1
Styrene	ND		1.0	0.73	ug/L			02/09/24 16:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/09/24 16:15	1
Toluene	ND		1.0	0.51	ug/L			02/09/24 16:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/09/24 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/09/24 16:15	1
Trichloroethene	ND		1.0	0.46	ug/L			02/09/24 16:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/09/24 16:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/09/24 16:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/09/24 16:15	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

**Date Collected: 02/08/24 10:55**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		02/09/24 16:15	1
4-Bromofluorobenzene (Surr)	109		73 - 120		02/09/24 16:15	1
Toluene-d8 (Surr)	99		80 - 120		02/09/24 16:15	1
Dibromofluoromethane (Surr)	89		75 - 123		02/09/24 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:35	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Nitroaniline	ND		10	0.42	ug/L		02/13/24 08:59	02/14/24 19:35	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 19:35	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:35	1
3-Nitroaniline	ND		10	0.48	ug/L		02/13/24 08:59	02/14/24 19:35	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Nitroaniline	ND		10	0.25	ug/L		02/13/24 08:59	02/14/24 19:35	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 19:35	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 19:35	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 19:35	1
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 19:35	1
Aniline	ND		10	0.61	ug/L		02/13/24 08:59	02/14/24 19:35	1
Anthracene	ND		5.0	0.28	ug/L		02/13/24 08:59	02/14/24 19:35	1
Atrazine	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:35	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/13/24 08:59	02/14/24 19:35	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 19:35	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 19:35	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 19:35	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:35	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 19:35	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/13/24 08:59	02/14/24 19:35	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 19:35	1
Carbazole	ND		5.0	0.30	ug/L		02/13/24 08:59	02/14/24 19:35	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

Date Collected: 02/08/24 10:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/13/24 08:59	02/14/24 19:35	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/13/24 08:59	02/14/24 19:35	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 19:35	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/13/24 08:59	02/14/24 19:35	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:35	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/13/24 08:59	02/14/24 19:35	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:35	1
Fluoranthene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 19:35	1
Fluorene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 19:35	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:35	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 19:35	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:35	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 19:35	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 19:35	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 19:35	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 19:35	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 19:35	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 19:35	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 19:35	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 19:35	1
Phenanthrene	ND		5.0	0.44	ug/L		02/13/24 08:59	02/14/24 19:35	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 19:35	1
Pyrene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		41 - 120	02/13/24 08:59	02/14/24 19:35	1
2-Fluorobiphenyl	95		48 - 120	02/13/24 08:59	02/14/24 19:35	1
2-Fluorophenol	67		35 - 120	02/13/24 08:59	02/14/24 19:35	1
Nitrobenzene-d5	82		46 - 120	02/13/24 08:59	02/14/24 19:35	1
Phenol-d5	50		22 - 120	02/13/24 08:59	02/14/24 19:35	1
p-Terphenyl-d14	90		60 - 148	02/13/24 08:59	02/14/24 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/12/24 10:18	02/13/24 17:07	1
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Arsenic</b>	<b>0.056</b>		0.015	0.0056	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Barium</b>	<b>0.077</b>		0.0020	0.00070	mg/L		02/12/24 10:18	02/13/24 00:15	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/13/24 00:15	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Calcium</b>	<b>215</b>	<b>B</b>	0.50	0.10	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Chromium</b>	<b>0.0018</b>	<b>J</b>	0.0040	0.0010	mg/L		02/12/24 10:18	02/13/24 00:15	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/13/24 00:15	1
Copper	ND		0.010	0.0016	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Iron</b>	<b>43.6</b>	<b>B</b>	0.050	0.019	mg/L		02/12/24 10:18	02/13/24 17:07	1
<b>Lead</b>	<b>0.037</b>		0.010	0.0030	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Magnesium</b>	<b>18.7</b>		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:38	1
<b>Manganese</b>	<b>0.52</b>		0.0030	0.00040	mg/L		02/15/24 08:21	02/16/24 01:38	1
<b>Nickel</b>	<b>0.0018</b>	<b>J</b>	0.010	0.0013	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Potassium</b>	<b>8.4</b>		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:38	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

Date Collected: 02/08/24 10:55

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/13/24 00:15	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Sodium</b>	<b>63.8</b>		1.0	0.32	mg/L		02/15/24 08:21	02/16/24 01:38	1
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/13/24 00:15	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/13/24 00:15	1
<b>Zinc</b>	<b>0.026</b>		0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:38	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:56	1

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

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216945-4**

**Date Collected: 02/08/24 12:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/09/24 16:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/09/24 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/09/24 16:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/09/24 16:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/09/24 16:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/09/24 16:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/09/24 16:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/09/24 16:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/09/24 16:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/09/24 16:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/09/24 16:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/09/24 16:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/09/24 16:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/09/24 16:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/09/24 16:37	1
2-Hexanone	ND		5.0	1.2	ug/L			02/09/24 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/09/24 16:37	1
Acetone	ND		10	3.0	ug/L			02/09/24 16:37	1
Benzene	ND		1.0	0.41	ug/L			02/09/24 16:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/09/24 16:37	1
Bromoform	ND		1.0	0.26	ug/L			02/09/24 16:37	1
Bromomethane	ND		1.0	0.69	ug/L			02/09/24 16:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/09/24 16:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/09/24 16:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/09/24 16:37	1
Chloroethane	ND		1.0	0.32	ug/L			02/09/24 16:37	1
Chloroform	ND		1.0	0.34	ug/L			02/09/24 16:37	1
Chloromethane	ND		1.0	0.35	ug/L			02/09/24 16:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/09/24 16:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/09/24 16:37	1
Cyclohexane	ND		1.0	0.18	ug/L			02/09/24 16:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/09/24 16:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/09/24 16:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/09/24 16:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/09/24 16:37	1
Methyl acetate	ND		2.5	1.3	ug/L			02/09/24 16:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/09/24 16:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/09/24 16:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/09/24 16:37	1
Styrene	ND		1.0	0.73	ug/L			02/09/24 16:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/09/24 16:37	1
Toluene	ND		1.0	0.51	ug/L			02/09/24 16:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/09/24 16:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/09/24 16:37	1
Trichloroethene	ND		1.0	0.46	ug/L			02/09/24 16:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/09/24 16:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/09/24 16:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/09/24 16:37	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216945-4**

**Date Collected: 02/08/24 12:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		02/09/24 16:37	1
4-Bromofluorobenzene (Surr)	106		73 - 120		02/09/24 16:37	1
Toluene-d8 (Surr)	101		80 - 120		02/09/24 16:37	1
Dibromofluoromethane (Surr)	96		75 - 123		02/09/24 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:03	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Nitroaniline	ND		10	0.42	ug/L		02/13/24 08:59	02/14/24 20:03	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 20:03	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:03	1
3-Nitroaniline	ND		10	0.48	ug/L		02/13/24 08:59	02/14/24 20:03	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Nitroaniline	ND		10	0.25	ug/L		02/13/24 08:59	02/14/24 20:03	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 20:03	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 20:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 20:03	1
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 20:03	1
Aniline	ND		10	0.61	ug/L		02/13/24 08:59	02/14/24 20:03	1
Anthracene	ND		5.0	0.28	ug/L		02/13/24 08:59	02/14/24 20:03	1
Atrazine	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:03	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/13/24 08:59	02/14/24 20:03	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 20:03	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 20:03	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:03	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:03	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 20:03	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/13/24 08:59	02/14/24 20:03	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 20:03	1
Carbazole	ND		5.0	0.30	ug/L		02/13/24 08:59	02/14/24 20:03	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216945-4**

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/13/24 08:59	02/14/24 20:03	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/13/24 08:59	02/14/24 20:03	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 20:03	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/13/24 08:59	02/14/24 20:03	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:03	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/13/24 08:59	02/14/24 20:03	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:03	1
Fluoranthene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:03	1
Fluorene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:03	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:03	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 20:03	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:03	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:03	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:03	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 20:03	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 20:03	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 20:03	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 20:03	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:03	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:03	1
Phenanthrene	ND		5.0	0.44	ug/L		02/13/24 08:59	02/14/24 20:03	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 20:03	1
Pyrene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		41 - 120	02/13/24 08:59	02/14/24 20:03	1
2-Fluorobiphenyl	77		48 - 120	02/13/24 08:59	02/14/24 20:03	1
2-Fluorophenol	55		35 - 120	02/13/24 08:59	02/14/24 20:03	1
Nitrobenzene-d5	66		46 - 120	02/13/24 08:59	02/14/24 20:03	1
Phenol-d5	43		22 - 120	02/13/24 08:59	02/14/24 20:03	1
p-Terphenyl-d14	79		60 - 148	02/13/24 08:59	02/14/24 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.47</b>		0.20	0.060	mg/L		02/12/24 10:18	02/13/24 17:11	1
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/13/24 00:19	1
Arsenic	ND		0.015	0.0056	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Barium</b>	<b>0.077</b>		0.0020	0.00070	mg/L		02/12/24 10:18	02/13/24 00:19	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/13/24 00:19	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Calcium</b>	<b>124</b>	<b>B</b>	0.50	0.10	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Chromium</b>	<b>0.0012</b>	<b>J</b>	0.0040	0.0010	mg/L		02/12/24 10:18	02/13/24 00:19	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Copper</b>	<b>0.0034</b>	<b>J</b>	0.010	0.0016	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Iron</b>	<b>0.71</b>		0.050	0.019	mg/L		02/15/24 08:21	02/16/24 01:41	1
<b>Lead</b>	<b>0.023</b>		0.010	0.0030	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Magnesium</b>	<b>26.2</b>		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:41	1
<b>Manganese</b>	<b>0.089</b>		0.0030	0.00040	mg/L		02/15/24 08:21	02/16/24 01:41	1
Nickel	ND		0.010	0.0013	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Potassium</b>	<b>3.6</b>		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:41	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216945-4**

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/13/24 00:19	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Sodium</b>	<b>30.5</b>		1.0	0.32	mg/L		02/15/24 08:21	02/16/24 01:41	1
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/13/24 00:19	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/13/24 00:19	1
<b>Zinc</b>	<b>0.0065</b>	<b>J</b>	0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:41	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:57	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI 31A D**

**Lab Sample ID: 480-216945-5**

Date Collected: 02/08/24 13:05

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			02/12/24 14:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/12/24 14:21	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			02/12/24 14:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/12/24 14:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			02/12/24 14:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			02/12/24 14:21	2
<b>1,2,4-Trichlorobenzene</b>	<b>20</b>		2.0	0.82	ug/L			02/12/24 14:21	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			02/12/24 14:21	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			02/12/24 14:21	2
<b>1,2-Dichlorobenzene</b>	<b>3.0</b>		2.0	1.6	ug/L			02/12/24 14:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/12/24 14:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/12/24 14:21	2
<b>1,3-Dichlorobenzene</b>	<b>110</b>		2.0	1.6	ug/L			02/12/24 14:21	2
<b>1,4-Dichlorobenzene</b>	<b>19</b>		2.0	1.7	ug/L			02/12/24 14:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/12/24 14:21	2
2-Hexanone	ND		10	2.5	ug/L			02/12/24 14:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/12/24 14:21	2
Acetone	ND		20	6.0	ug/L			02/12/24 14:21	2
Benzene	ND		2.0	0.82	ug/L			02/12/24 14:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/12/24 14:21	2
Bromoform	ND		2.0	0.52	ug/L			02/12/24 14:21	2
Bromomethane	ND		2.0	1.4	ug/L			02/12/24 14:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/12/24 14:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/12/24 14:21	2
<b>Chlorobenzene</b>	<b>16</b>		2.0	1.5	ug/L			02/12/24 14:21	2
Chloroethane	ND		2.0	0.64	ug/L			02/12/24 14:21	2
Chloroform	ND		2.0	0.68	ug/L			02/12/24 14:21	2
Chloromethane	ND		2.0	0.70	ug/L			02/12/24 14:21	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			02/12/24 14:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/12/24 14:21	2
Cyclohexane	ND		2.0	0.36	ug/L			02/12/24 14:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/12/24 14:21	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			02/12/24 14:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/12/24 14:21	2
Isopropylbenzene	ND		2.0	1.6	ug/L			02/12/24 14:21	2
Methyl acetate	ND		5.0	2.6	ug/L			02/12/24 14:21	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			02/12/24 14:21	2
Methylcyclohexane	ND		2.0	0.32	ug/L			02/12/24 14:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/12/24 14:21	2
Styrene	ND		2.0	1.5	ug/L			02/12/24 14:21	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/12/24 14:21	2
Toluene	ND		2.0	1.0	ug/L			02/12/24 14:21	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/12/24 14:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/12/24 14:21	2
Trichloroethene	ND		2.0	0.92	ug/L			02/12/24 14:21	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			02/12/24 14:21	2
Vinyl chloride	ND		2.0	1.8	ug/L			02/12/24 14:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/12/24 14:21	2



# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI 31A D**

**Lab Sample ID: 480-216945-5**

**Date Collected: 02/08/24 13:05**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		02/12/24 14:21	2
4-Bromofluorobenzene (Surr)	97		73 - 120		02/12/24 14:21	2
Toluene-d8 (Surr)	104		80 - 120		02/12/24 14:21	2
Dibromofluoromethane (Surr)	97		75 - 123		02/12/24 14:21	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 20:31	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 20:31	1
<b>2,4-Dichlorophenol</b>	<b>0.60</b>	<b>J</b>	5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:31	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 20:31	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:31	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:31	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Nitroaniline	ND		10	0.42	ug/L		02/13/24 08:59	02/14/24 20:31	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 20:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:31	1
3-Nitroaniline	ND		10	0.48	ug/L		02/13/24 08:59	02/14/24 20:31	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Nitroaniline	ND		10	0.25	ug/L		02/13/24 08:59	02/14/24 20:31	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 20:31	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 20:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 20:31	1
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 20:31	1
Aniline	ND		10	0.61	ug/L		02/13/24 08:59	02/14/24 20:31	1
Anthracene	ND		5.0	0.28	ug/L		02/13/24 08:59	02/14/24 20:31	1
Atrazine	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:31	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/13/24 08:59	02/14/24 20:31	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 20:31	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 20:31	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 20:31	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:31	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 20:31	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/13/24 08:59	02/14/24 20:31	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 20:31	1
Carbazole	ND		5.0	0.30	ug/L		02/13/24 08:59	02/14/24 20:31	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI 31A D**

**Lab Sample ID: 480-216945-5**

Date Collected: 02/08/24 13:05

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		02/13/24 08:59	02/14/24 20:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/13/24 08:59	02/14/24 20:31	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 20:31	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/13/24 08:59	02/14/24 20:31	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:31	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/13/24 08:59	02/14/24 20:31	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:31	1
Fluoranthene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 20:31	1
Fluorene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 20:31	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:31	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 20:31	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:31	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 20:31	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 20:31	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 20:31	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 20:31	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 20:31	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 20:31	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 20:31	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 20:31	1
Phenanthrene	ND		5.0	0.44	ug/L		02/13/24 08:59	02/14/24 20:31	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 20:31	1
Pyrene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		41 - 120	02/13/24 08:59	02/14/24 20:31	1
2-Fluorobiphenyl	89		48 - 120	02/13/24 08:59	02/14/24 20:31	1
2-Fluorophenol	61		35 - 120	02/13/24 08:59	02/14/24 20:31	1
Nitrobenzene-d5	71		46 - 120	02/13/24 08:59	02/14/24 20:31	1
Phenol-d5	48		22 - 120	02/13/24 08:59	02/14/24 20:31	1
p-Terphenyl-d14	69		60 - 148	02/13/24 08:59	02/14/24 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		02/12/24 10:18	02/13/24 17:14	1
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/13/24 00:32	1
Arsenic	ND		0.015	0.0056	mg/L		02/12/24 10:18	02/13/24 00:32	1
Barium	0.019		0.0020	0.00070	mg/L		02/12/24 10:18	02/13/24 00:32	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/13/24 00:32	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/13/24 00:32	1
Calcium	183	B	0.50	0.10	mg/L		02/12/24 10:18	02/13/24 00:32	1
Chromium	ND		0.0040	0.0010	mg/L		02/12/24 10:18	02/13/24 00:32	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/13/24 00:32	1
Copper	ND		0.010	0.0016	mg/L		02/12/24 10:18	02/13/24 00:32	1
Iron	0.93		0.050	0.019	mg/L		02/15/24 08:21	02/16/24 01:45	1
Lead	0.021		0.010	0.0030	mg/L		02/12/24 10:18	02/13/24 00:32	1
Magnesium	76.0		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:45	1
Manganese	0.75		0.0030	0.00040	mg/L		02/15/24 08:21	02/16/24 01:45	1
Nickel	0.0015	J	0.010	0.0013	mg/L		02/12/24 10:18	02/13/24 00:32	1
Potassium	9.4		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:45	1

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# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI 31A D**

**Lab Sample ID: 480-216945-5**

Date Collected: 02/08/24 13:05

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/13/24 00:32	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/13/24 00:32	1
<b>Sodium</b>	<b>1580</b>	<b>B ^2 ^+</b>	5.0	1.6	mg/L		02/12/24 10:18	02/14/24 16:21	5
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/13/24 00:32	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/13/24 00:32	1
<b>Zinc</b>	<b>0.0024</b>	<b>J</b>	0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:45	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:59	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-216945-6**

Date Collected: 02/08/24 13:10

Matrix: Water

Date Received: 02/08/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/09/24 17:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/09/24 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/09/24 17:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/09/24 17:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/09/24 17:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/09/24 17:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/09/24 17:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/09/24 17:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/09/24 17:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/09/24 17:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/09/24 17:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/09/24 17:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/09/24 17:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/09/24 17:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/09/24 17:32	1
2-Hexanone	ND		5.0	1.2	ug/L			02/09/24 17:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/09/24 17:32	1
Acetone	ND		10	3.0	ug/L			02/09/24 17:32	1
Benzene	ND		1.0	0.41	ug/L			02/09/24 17:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/09/24 17:32	1
Bromoform	ND		1.0	0.26	ug/L			02/09/24 17:32	1
Bromomethane	ND		1.0	0.69	ug/L			02/09/24 17:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/09/24 17:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/09/24 17:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/09/24 17:32	1
Chloroethane	ND		1.0	0.32	ug/L			02/09/24 17:32	1
Chloroform	ND		1.0	0.34	ug/L			02/09/24 17:32	1
Chloromethane	ND		1.0	0.35	ug/L			02/09/24 17:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/09/24 17:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/09/24 17:32	1
Cyclohexane	ND		1.0	0.18	ug/L			02/09/24 17:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/09/24 17:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/09/24 17:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/09/24 17:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/09/24 17:32	1
Methyl acetate	ND		2.5	1.3	ug/L			02/09/24 17:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/09/24 17:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/09/24 17:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/09/24 17:32	1
Styrene	ND		1.0	0.73	ug/L			02/09/24 17:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/09/24 17:32	1
Toluene	ND		1.0	0.51	ug/L			02/09/24 17:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/09/24 17:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/09/24 17:32	1
Trichloroethene	ND		1.0	0.46	ug/L			02/09/24 17:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/09/24 17:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/09/24 17:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/09/24 17:32	1

# Client Sample Results

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

Job ID: 480-216945-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-216945-6**

**Date Collected: 02/08/24 13:10**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		02/09/24 17:32	1
4-Bromofluorobenzene (Surr)	106		73 - 120		02/09/24 17:32	1
Toluene-d8 (Surr)	90		80 - 120		02/09/24 17:32	1
Dibromofluoromethane (Surr)	84		75 - 123		02/09/24 17:32	1

# Surrogate Summary

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

Job ID: 480-216945-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-216945-1	BCC Area C RFI-31A	100	93	105	100
480-216945-1 MS	BCC Area C RFI-31A MS	101	92	104	101
480-216945-1 MSD	BCC Area C RFI-31A MSD	103	95	103	100
480-216945-2	BCC Area C MW-C04	88	103	100	91
480-216945-3	BCC Area C RFI-20A	88	109	99	89
480-216945-4	BCC Area C PS-05A	89	106	101	96
480-216945-5	BCC Area C RFI 31A D	101	97	104	97
480-216945-6	TRIP BLANK	86	106	90	84
LCS 480-700322/6	Lab Control Sample	85	94	94	89
LCS 480-700465/6	Lab Control Sample	102	93	105	103
MB 480-700322/8	Method Blank	89	100	98	94
MB 480-700465/8	Method Blank	101	96	111	102

#### Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)
480-216945-1	BCC Area C RFI-31A	80	81	62	76	45	72
480-216945-1 MS	BCC Area C RFI-31A MS	77	69	51	71	43	58 S1-
480-216945-1 MSD	BCC Area C RFI-31A MSD	85	81	58	78	50	73
480-216945-2	BCC Area C MW-C04	82	84	61	70	46	52 S1-
480-216945-3	BCC Area C RFI-20A	87	95	67	82	50	90
480-216945-4	BCC Area C PS-05A	67	77	55	66	43	79
480-216945-5	BCC Area C RFI 31A D	85	89	61	71	48	69
LCS 480-700602/2-A	Lab Control Sample	86	80	64	81	51	95
MB 480-700602/1-A	Method Blank	65	80	58	72	42	94

#### Surrogate Legend

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

# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: MB 480-700322/8**  
**Matrix: Water**  
**Analysis Batch: 700322**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/09/24 12:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/09/24 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/09/24 12:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/09/24 12:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/09/24 12:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/09/24 12:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/09/24 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/09/24 12:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/09/24 12:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/09/24 12:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/09/24 12:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/09/24 12:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/09/24 12:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/09/24 12:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/09/24 12:49	1
2-Hexanone	ND		5.0	1.2	ug/L			02/09/24 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/09/24 12:49	1
Acetone	ND		10	3.0	ug/L			02/09/24 12:49	1
Benzene	ND		1.0	0.41	ug/L			02/09/24 12:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/09/24 12:49	1
Bromoform	ND		1.0	0.26	ug/L			02/09/24 12:49	1
Bromomethane	ND		1.0	0.69	ug/L			02/09/24 12:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/09/24 12:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/09/24 12:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/09/24 12:49	1
Chloroethane	ND		1.0	0.32	ug/L			02/09/24 12:49	1
Chloroform	ND		1.0	0.34	ug/L			02/09/24 12:49	1
Chloromethane	ND		1.0	0.35	ug/L			02/09/24 12:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/09/24 12:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/09/24 12:49	1
Cyclohexane	ND		1.0	0.18	ug/L			02/09/24 12:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/09/24 12:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/09/24 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/09/24 12:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/09/24 12:49	1
Methyl acetate	ND		2.5	1.3	ug/L			02/09/24 12:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/09/24 12:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/09/24 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/09/24 12:49	1
Styrene	ND		1.0	0.73	ug/L			02/09/24 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/09/24 12:49	1
Toluene	ND		1.0	0.51	ug/L			02/09/24 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/09/24 12:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/09/24 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			02/09/24 12:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/09/24 12:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/09/24 12:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/09/24 12:49	1

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: MB 480-700322/8**  
**Matrix: Water**  
**Analysis Batch: 700322**

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		02/09/24 12:49	1
4-Bromofluorobenzene (Surr)	100		73 - 120		02/09/24 12:49	1
Toluene-d8 (Surr)	98		80 - 120		02/09/24 12:49	1
Dibromofluoromethane (Surr)	94		75 - 123		02/09/24 12:49	1

**Lab Sample ID: LCS 480-700322/6**  
**Matrix: Water**  
**Analysis Batch: 700322**

**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	27.7		ug/L		111	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.3		ug/L		129	61 - 148
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	29.8		ug/L		119	66 - 127
1,2,4-Trichlorobenzene	25.0	27.5		ug/L		110	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	56 - 134
1,2-Dibromoethane	25.0	23.3		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	27.2		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	99.0		ug/L		79	65 - 127
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	27.6		ug/L		110	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	22.3		ug/L		89	61 - 132
Bromomethane	25.0	26.9		ug/L		107	55 - 144
Carbon disulfide	25.0	28.4		ug/L		113	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	28.7		ug/L		115	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	27.1		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	24.1		ug/L		97	74 - 124
Cyclohexane	25.0	30.1		ug/L		121	59 - 135
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Dichlorodifluoromethane	25.0	26.0		ug/L		104	59 - 135
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123
Isopropylbenzene	25.0	30.5		ug/L		122	77 - 122
Methyl acetate	50.0	42.6		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	26.2		ug/L		105	77 - 120
Methylcyclohexane	25.0	30.1		ug/L		121	68 - 134

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: LCS 480-700322/6**  
**Matrix: Water**  
**Analysis Batch: 700322**

**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	29.1		ug/L		116	75 - 124
Styrene	25.0	23.9		ug/L		96	80 - 120
Tetrachloroethene	25.0	29.1		ug/L		116	74 - 122
Toluene	25.0	28.0		ug/L		112	80 - 122
trans-1,2-Dichloroethene	25.0	28.4		ug/L		114	73 - 127
trans-1,3-Dichloropropene	25.0	24.0		ug/L		96	80 - 120
Trichloroethene	25.0	28.3		ug/L		113	74 - 123
Trichlorofluoromethane	25.0	32.4		ug/L		130	62 - 150
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133
Xylenes, Total	50.0	53.5		ug/L		107	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

**Lab Sample ID: MB 480-700465/8**  
**Matrix: Water**  
**Analysis Batch: 700465**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/12/24 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/12/24 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/12/24 12:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/12/24 12:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/12/24 12:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/12/24 12:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/12/24 12:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/12/24 12:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/12/24 12:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/12/24 12:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/12/24 12:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/12/24 12:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/12/24 12:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/12/24 12:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/12/24 12:36	1
2-Hexanone	ND		5.0	1.2	ug/L			02/12/24 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/12/24 12:36	1
Acetone	ND		10	3.0	ug/L			02/12/24 12:36	1
Benzene	ND		1.0	0.41	ug/L			02/12/24 12:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/12/24 12:36	1
Bromoform	ND		1.0	0.26	ug/L			02/12/24 12:36	1
Bromomethane	ND		1.0	0.69	ug/L			02/12/24 12:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/12/24 12:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/12/24 12:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/12/24 12:36	1
Chloroethane	ND		1.0	0.32	ug/L			02/12/24 12:36	1

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: MB 480-700465/8**  
**Matrix: Water**  
**Analysis Batch: 700465**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			02/12/24 12:36	1
Chloromethane	ND		1.0	0.35	ug/L			02/12/24 12:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/12/24 12:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/12/24 12:36	1
Cyclohexane	ND		1.0	0.18	ug/L			02/12/24 12:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/12/24 12:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/12/24 12:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/12/24 12:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/12/24 12:36	1
Methyl acetate	ND		2.5	1.3	ug/L			02/12/24 12:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/12/24 12:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/12/24 12:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/12/24 12:36	1
Styrene	ND		1.0	0.73	ug/L			02/12/24 12:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/12/24 12:36	1
Toluene	ND		1.0	0.51	ug/L			02/12/24 12:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/12/24 12:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/12/24 12:36	1
Trichloroethene	ND		1.0	0.46	ug/L			02/12/24 12:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/12/24 12:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/12/24 12:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/12/24 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		02/12/24 12:36	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/12/24 12:36	1
Toluene-d8 (Surr)	111		80 - 120		02/12/24 12:36	1
Dibromofluoromethane (Surr)	102		75 - 123		02/12/24 12:36	1

**Lab Sample ID: LCS 480-700465/6**  
**Matrix: Water**  
**Analysis Batch: 700465**

**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	25.7		ug/L		103	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.1		ug/L		116	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	27.4		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: LCS 480-700465/6**  
**Matrix: Water**  
**Analysis Batch: 700465**

**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	111		ug/L		89	57 - 140
2-Hexanone	125	99.9		ug/L		80	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	24.6		ug/L		99	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Dibromochloromethane	25.0	26.4		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	29.0		ug/L		116	77 - 122
Methyl acetate	50.0	40.7		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		110	68 - 134
Methylene Chloride	25.0	28.8		ug/L		115	75 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		116	62 - 150
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
Xylenes, Total	50.0	52.2		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700465**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	30.2		ug/L		121	73 - 126
1,1,1,2-Tetrachloroethane	ND		25.0	29.6		ug/L		118	76 - 120

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: 480-216945-1 MS**

**Client Sample ID: BCC Area C RFI-31A MS**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 700465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	33.6		ug/L		135	61 - 148
1,1,2-Trichloroethane	ND		25.0	28.3		ug/L		113	76 - 122
1,1-Dichloroethane	ND	F1	25.0	30.2	F1	ug/L		121	77 - 120
1,1-Dichloroethene	ND	F1	25.0	33.6	F1	ug/L		135	66 - 127
1,2,4-Trichlorobenzene	11	F1	25.0	48.3	F1	ug/L		147	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	28.1		ug/L		112	56 - 134
1,2-Dibromoethane	ND		25.0	27.7		ug/L		111	77 - 120
1,2-Dichlorobenzene	1.8	F1	25.0	33.5	F1	ug/L		127	80 - 124
1,2-Dichloroethane	ND		25.0	28.6		ug/L		114	75 - 120
1,2-Dichloropropane	ND	F1	25.0	30.4	F1	ug/L		122	76 - 120
1,3-Dichlorobenzene	66	F1	25.0	124	E F1	ug/L		232	77 - 120
1,4-Dichlorobenzene	12	F1	25.0	46.1	F1	ug/L		138	78 - 124
2-Butanone (MEK)	ND		125	140		ug/L		112	57 - 140
2-Hexanone	ND		125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	144		ug/L		115	71 - 125
Acetone	ND		125	151		ug/L		121	56 - 142
Benzene	ND	F1	25.0	32.3	F1	ug/L		129	71 - 124
Bromodichloromethane	ND		25.0	30.0		ug/L		120	80 - 122
Bromoform	ND		25.0	25.8		ug/L		103	61 - 132
Bromomethane	ND		25.0	30.3		ug/L		121	55 - 144
Carbon disulfide	ND		25.0	30.0		ug/L		120	59 - 134
Carbon tetrachloride	ND		25.0	32.0		ug/L		128	72 - 134
Chlorobenzene	9.1	F1	25.0	42.7	F1	ug/L		134	80 - 120
Chloroethane	ND		25.0	33.1		ug/L		132	69 - 136
Chloroform	ND		25.0	29.2		ug/L		117	73 - 127
Chloromethane	0.37	J	25.0	28.5		ug/L		112	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.2		ug/L		121	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.1		ug/L		108	74 - 124
Cyclohexane	ND		25.0	32.1		ug/L		128	59 - 135
Dibromochloromethane	ND		25.0	30.0		ug/L		120	75 - 125
Dichlorodifluoromethane	ND		25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	ND	F1	25.0	31.2	F1	ug/L		125	77 - 123
Isopropylbenzene	ND	F1	25.0	36.4	F1	ug/L		146	77 - 122
Methyl acetate	ND		50.0	47.5		ug/L		95	74 - 133
Methyl tert-butyl ether	ND		25.0	28.3		ug/L		113	77 - 120
Methylcyclohexane	ND		25.0	30.7		ug/L		123	68 - 134
Methylene Chloride	ND	F1	25.0	32.8	F1	ug/L		131	75 - 124
Styrene	ND		25.0	28.8		ug/L		115	80 - 120
Tetrachloroethene	ND	F1	25.0	34.9	F1	ug/L		140	74 - 122
Toluene	ND	F1	25.0	33.0	F1	ug/L		132	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	32.0	F1	ug/L		128	73 - 127
trans-1,3-Dichloropropene	ND		25.0	28.3		ug/L		113	80 - 120
Trichloroethene	ND	F1	25.0	31.1	F1	ug/L		124	74 - 123
Trichlorofluoromethane	ND		25.0	34.4		ug/L		138	62 - 150
Vinyl chloride	ND		25.0	32.3		ug/L		129	65 - 133
Xylenes, Total	ND	F1	50.0	62.8	F1	ug/L		126	76 - 122

# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700465**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

**Lab Sample ID: 480-216945-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 700465**

**Client Sample ID: BCC Area C RFI-31A MSD**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,1,1-Trichloroethane	ND		25.0	29.4		ug/L		118	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.5		ug/L		110	76 - 120	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	33.4		ug/L		133	61 - 148	1	20
1,1,2-Trichloroethane	ND		25.0	26.4		ug/L		106	76 - 122	7	15
1,1-Dichloroethane	ND	F1	25.0	28.8		ug/L		115	77 - 120	5	20
1,1-Dichloroethene	ND	F1	25.0	32.1	F1	ug/L		128	66 - 127	5	16
1,2,4-Trichlorobenzene	11	F1	25.0	47.6	F1	ug/L		144	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	26.6		ug/L		106	56 - 134	5	15
1,2-Dibromoethane	ND		25.0	26.4		ug/L		106	77 - 120	5	15
1,2-Dichlorobenzene	1.8	F1	25.0	31.3		ug/L		118	80 - 124	7	20
1,2-Dichloroethane	ND		25.0	27.8		ug/L		111	75 - 120	3	20
1,2-Dichloropropane	ND	F1	25.0	29.0		ug/L		116	76 - 120	5	20
1,3-Dichlorobenzene	66	F1	25.0	136	E F1	ug/L		280	77 - 120	9	20
1,4-Dichlorobenzene	12	F1	25.0	46.0	F1	ug/L		138	78 - 124	0	20
2-Butanone (MEK)	ND		125	141		ug/L		113	57 - 140	1	20
2-Hexanone	ND		125	131		ug/L		105	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		125	140		ug/L		112	71 - 125	3	35
Acetone	ND		125	155		ug/L		124	56 - 142	3	15
Benzene	ND	F1	25.0	31.2	F1	ug/L		125	71 - 124	4	13
Bromodichloromethane	ND		25.0	28.6		ug/L		115	80 - 122	4	15
Bromoform	ND		25.0	24.4		ug/L		98	61 - 132	5	15
Bromomethane	ND		25.0	30.0		ug/L		120	55 - 144	1	15
Carbon disulfide	ND		25.0	28.9		ug/L		116	59 - 134	4	15
Carbon tetrachloride	ND		25.0	31.3		ug/L		125	72 - 134	2	15
Chlorobenzene	9.1	F1	25.0	44.9	F1	ug/L		143	80 - 120	5	25
Chloroethane	ND		25.0	31.5		ug/L		126	69 - 136	5	15
Chloroform	ND		25.0	27.4		ug/L		110	73 - 127	6	20
Chloromethane	0.37	J	25.0	28.3		ug/L		112	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	28.6		ug/L		114	74 - 124	6	15
cis-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	74 - 124	1	15
Cyclohexane	ND		25.0	31.0		ug/L		124	59 - 135	3	20
Dibromochloromethane	ND		25.0	28.9		ug/L		116	75 - 125	4	15
Dichlorodifluoromethane	ND		25.0	25.8		ug/L		103	59 - 135	1	20
Ethylbenzene	ND	F1	25.0	29.1		ug/L		117	77 - 123	7	15
Isopropylbenzene	ND	F1	25.0	32.7	F1	ug/L		131	77 - 122	11	20
Methyl acetate	ND		50.0	48.4		ug/L		97	74 - 133	2	20
Methyl tert-butyl ether	ND		25.0	27.8		ug/L		111	77 - 120	2	37
Methylcyclohexane	ND		25.0	30.5		ug/L		122	68 - 134	0	20

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# QC Sample Results

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

Job ID: 480-216945-1

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

Lab Sample ID: 480-216945-1 MSD

Client Sample ID: BCC Area C RFI-31A MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 700465

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier		Result	Qualifier				Limits		Limit
Methylene Chloride	ND	F1	25.0	31.2	F1	ug/L		125	75 - 124	5	15
Styrene	ND		25.0	27.1		ug/L		108	80 - 120	6	20
Tetrachloroethene	ND	F1	25.0	32.7	F1	ug/L		131	74 - 122	7	20
Toluene	ND	F1	25.0	31.2	F1	ug/L		125	80 - 122	5	15
trans-1,2-Dichloroethene	ND	F1	25.0	29.9		ug/L		120	73 - 127	7	20
trans-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	80 - 120	6	15
Trichloroethene	ND	F1	25.0	30.4		ug/L		122	74 - 123	2	16
Trichlorofluoromethane	ND		25.0	34.9		ug/L		140	62 - 150	1	20
Vinyl chloride	ND		25.0	31.3		ug/L		125	65 - 133	3	15
Xylenes, Total	ND	F1	50.0	59.5		ug/L		119	76 - 122	5	16
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4 (Surr)	103		77 - 120								
4-Bromofluorobenzene (Surr)	95		73 - 120								
Toluene-d8 (Surr)	103		80 - 120								
Dibromofluoromethane (Surr)	100		75 - 123								

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

Lab Sample ID: MB 480-700602/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 700755

Prep Batch: 700602

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 16:43	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Chlorophenol	ND		5.0	0.53	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Methylphenol	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Nitroaniline	ND		10	0.42	ug/L		02/13/24 08:59	02/14/24 16:43	1
2-Nitrophenol	ND		5.0	0.48	ug/L		02/13/24 08:59	02/14/24 16:43	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
3-Nitroaniline	ND		10	0.48	ug/L		02/13/24 08:59	02/14/24 16:43	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Chloroaniline	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Methylphenol	ND		10	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Nitroaniline	ND		10	0.25	ug/L		02/13/24 08:59	02/14/24 16:43	1
4-Nitrophenol	ND		10	1.5	ug/L		02/13/24 08:59	02/14/24 16:43	1
Acenaphthene	ND		5.0	0.41	ug/L		02/13/24 08:59	02/14/24 16:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/13/24 08:59	02/14/24 16:43	1

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: MB 480-700602/1-A**  
**Matrix: Water**  
**Analysis Batch: 700755**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 700602**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetophenone	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 16:43	1
Aniline	ND		10	0.61	ug/L		02/13/24 08:59	02/14/24 16:43	1
Anthracene	ND		5.0	0.28	ug/L		02/13/24 08:59	02/14/24 16:43	1
Atrazine	ND		5.0	0.46	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzaldehyde	ND		5.0	0.27	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 16:43	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		02/13/24 08:59	02/14/24 16:43	1
Biphenyl	ND		5.0	0.65	ug/L		02/13/24 08:59	02/14/24 16:43	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		02/13/24 08:59	02/14/24 16:43	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		02/13/24 08:59	02/14/24 16:43	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		02/13/24 08:59	02/14/24 16:43	1
Caprolactam	ND		5.0	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
Carbazole	ND		5.0	0.30	ug/L		02/13/24 08:59	02/14/24 16:43	1
Chrysene	ND		5.0	0.33	ug/L		02/13/24 08:59	02/14/24 16:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/13/24 08:59	02/14/24 16:43	1
Dibenzofuran	ND		10	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
Diethyl phthalate	ND		5.0	0.22	ug/L		02/13/24 08:59	02/14/24 16:43	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		02/13/24 08:59	02/14/24 16:43	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 16:43	1
Fluoranthene	ND		5.0	0.40	ug/L		02/13/24 08:59	02/14/24 16:43	1
Fluorene	ND		5.0	0.36	ug/L		02/13/24 08:59	02/14/24 16:43	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		02/13/24 08:59	02/14/24 16:43	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 16:43	1
Hexachloroethane	ND		5.0	0.59	ug/L		02/13/24 08:59	02/14/24 16:43	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		02/13/24 08:59	02/14/24 16:43	1
Isophorone	ND		5.0	0.43	ug/L		02/13/24 08:59	02/14/24 16:43	1
Naphthalene	ND		5.0	0.76	ug/L		02/13/24 08:59	02/14/24 16:43	1
Nitrobenzene	ND		5.0	0.29	ug/L		02/13/24 08:59	02/14/24 16:43	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		02/13/24 08:59	02/14/24 16:43	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		02/13/24 08:59	02/14/24 16:43	1
Pentachlorophenol	ND		10	2.2	ug/L		02/13/24 08:59	02/14/24 16:43	1
Phenanthrene	ND		5.0	0.44	ug/L		02/13/24 08:59	02/14/24 16:43	1
Phenol	ND		5.0	0.39	ug/L		02/13/24 08:59	02/14/24 16:43	1
Pyrene	ND		5.0	0.34	ug/L		02/13/24 08:59	02/14/24 16:43	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
2,4,6-Tribromophenol	65		41 - 120				02/13/24 08:59	02/14/24 16:43	1
2-Fluorobiphenyl	80		48 - 120				02/13/24 08:59	02/14/24 16:43	1
2-Fluorophenol	58		35 - 120				02/13/24 08:59	02/14/24 16:43	1
Nitrobenzene-d5	72		46 - 120				02/13/24 08:59	02/14/24 16:43	1
Phenol-d5	42		22 - 120				02/13/24 08:59	02/14/24 16:43	1

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: MB 480-700602/1-A**  
**Matrix: Water**  
**Analysis Batch: 700755**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 700602**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	94		60 - 148	02/13/24 08:59	02/14/24 16:43	1

**Lab Sample ID: LCS 480-700602/2-A**  
**Matrix: Water**  
**Analysis Batch: 700755**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 700602**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	32.0	31.5		ug/L		98	65 - 126
2,4,6-Trichlorophenol	32.0	25.4		ug/L		79	64 - 120
2,4-Dichlorophenol	32.0	25.2		ug/L		79	63 - 120
2,4-Dimethylphenol	32.0	24.8		ug/L		78	47 - 120
2,4-Dinitrophenol	64.0	44.6		ug/L		70	31 - 137
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	69 - 120
2,6-Dinitrotoluene	32.0	30.3		ug/L		95	68 - 120
2-Chloronaphthalene	32.0	26.1		ug/L		82	58 - 120
2-Chlorophenol	32.0	23.6		ug/L		74	48 - 120
2-Methylnaphthalene	32.0	25.0		ug/L		78	59 - 120
2-Methylphenol	32.0	24.7		ug/L		77	39 - 120
2-Nitroaniline	32.0	29.5		ug/L		92	54 - 127
2-Nitrophenol	32.0	24.8		ug/L		77	52 - 125
3,3'-Dichlorobenzidine	64.0	50.3		ug/L		79	49 - 135
3-Nitroaniline	32.0	23.3		ug/L		73	51 - 120
4,6-Dinitro-2-methylphenol	64.0	53.7		ug/L		84	46 - 136
4-Bromophenyl phenyl ether	32.0	27.2		ug/L		85	65 - 120
4-Chloro-3-methylphenol	32.0	26.3		ug/L		82	61 - 123
4-Chloroaniline	32.0	19.7		ug/L		61	30 - 120
4-Chlorophenyl phenyl ether	32.0	26.6		ug/L		83	62 - 120
4-Methylphenol	32.0	21.9		ug/L		68	29 - 131
4-Nitroaniline	32.0	28.7		ug/L		90	65 - 120
4-Nitrophenol	64.0	43.4		ug/L		68	45 - 120
Acenaphthene	32.0	27.2		ug/L		85	60 - 120
Acenaphthylene	32.0	27.3		ug/L		85	63 - 120
Acetophenone	32.0	23.8		ug/L		74	45 - 120
Aniline	32.0	18.4		ug/L		58	12 - 120
Anthracene	32.0	31.2		ug/L		98	67 - 120
Atrazine	64.0	67.2		ug/L		105	71 - 130
Benzaldehyde	64.0	47.6		ug/L		74	10 - 140
Benzo(a)anthracene	32.0	30.7		ug/L		96	70 - 121
Benzo(a)pyrene	32.0	31.4		ug/L		98	60 - 123
Benzo(b)fluoranthene	32.0	32.0		ug/L		100	66 - 126
Benzo(g,h,i)perylene	32.0	32.0		ug/L		100	66 - 150
Benzo(k)fluoranthene	32.0	29.4		ug/L		92	65 - 124
Biphenyl	32.0	26.6		ug/L		83	59 - 120
bis (2-chloroisopropyl) ether	32.0	23.9		ug/L		75	21 - 136
Bis(2-chloroethoxy)methane	32.0	24.1		ug/L		75	50 - 128
Bis(2-chloroethyl)ether	32.0	24.9		ug/L		78	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.4		ug/L		101	63 - 139
Butyl benzyl phthalate	32.0	32.6		ug/L		102	70 - 129

# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: LCS 480-700602/2-A**  
**Matrix: Water**  
**Analysis Batch: 700755**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 700602**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Caprolactam	64.0	22.0		ug/L		34	22 - 120
Carbazole	32.0	32.7		ug/L		102	66 - 123
Chrysene	32.0	30.8		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	30.2		ug/L		95	65 - 135
Dibenzofuran	32.0	26.9		ug/L		84	66 - 120
Diethyl phthalate	32.0	29.5		ug/L		92	59 - 127
Dimethyl phthalate	32.0	29.0		ug/L		91	68 - 120
Di-n-butyl phthalate	32.0	32.0		ug/L		100	69 - 131
Di-n-octyl phthalate	32.0	33.7		ug/L		105	63 - 140
Fluoranthene	32.0	32.6		ug/L		102	69 - 126
Fluorene	32.0	29.0		ug/L		91	66 - 120
Hexachlorobenzene	32.0	31.4		ug/L		98	61 - 120
Hexachlorobutadiene	32.0	21.7		ug/L		68	35 - 120
Hexachlorocyclopentadiene	32.0	12.3		ug/L		38	31 - 120
Hexachloroethane	32.0	21.8		ug/L		68	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	30.7		ug/L		96	69 - 146
Isophorone	32.0	26.1		ug/L		82	55 - 120
Naphthalene	32.0	24.1		ug/L		75	57 - 120
Nitrobenzene	32.0	26.2		ug/L		82	53 - 123
N-Nitrosodi-n-propylamine	32.0	25.2		ug/L		79	32 - 140
N-Nitrosodiphenylamine	32.0	29.2		ug/L		91	61 - 120
Pentachlorophenol	64.0	31.0		ug/L		49	10 - 136
Phenanthrene	32.0	29.5		ug/L		92	68 - 120
Phenol	32.0	19.1		ug/L		60	17 - 120
Pyrene	32.0	31.1		ug/L		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	86		41 - 120
2-Fluorobiphenyl	80		48 - 120
2-Fluorophenol	64		35 - 120
Nitrobenzene-d5	81		46 - 120
Phenol-d5	51		22 - 120
p-Terphenyl-d14	95		60 - 148

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700755**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND	F2	32.0	26.7		ug/L		83	65 - 126
2,4,6-Trichlorophenol	ND		32.0	22.4		ug/L		70	64 - 120
2,4-Dichlorophenol	0.57	J	32.0	22.3		ug/L		68	48 - 132
2,4-Dimethylphenol	ND		32.0	22.9		ug/L		72	39 - 130
2,4-Dinitrophenol	ND	F2	64.0	38.2		ug/L		60	21 - 150
2,4-Dinitrotoluene	ND		32.0	26.1		ug/L		81	54 - 138
2,6-Dinitrotoluene	ND		32.0	25.4		ug/L		79	17 - 150
2-Chloronaphthalene	ND		32.0	22.5		ug/L		70	52 - 124
2-Chlorophenol	ND		32.0	20.3		ug/L		63	48 - 120

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: 480-216945-1 MS**

**Matrix: Water**

**Analysis Batch: 700755**

**Client Sample ID: BCC Area C RFI-31A MS**

**Prep Type: Total/NA**

**Prep Batch: 700602**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Methylnaphthalene	ND		32.0	21.7		ug/L		68	34 - 140
2-Methylphenol	ND		32.0	21.2		ug/L		66	46 - 120
2-Nitroaniline	ND	F2	32.0	24.9		ug/L		78	44 - 136
2-Nitrophenol	ND		32.0	23.2		ug/L		72	38 - 141
3,3'-Dichlorobenzidine	ND	F1	64.0	5.35	F1	ug/L		8	10 - 150
3-Nitroaniline	ND	F2	32.0	12.0		ug/L		38	32 - 150
4,6-Dinitro-2-methylphenol	ND	F2	64.0	49.8		ug/L		78	38 - 150
4-Bromophenyl phenyl ether	ND	F2	32.0	22.8		ug/L		71	63 - 126
4-Chloro-3-methylphenol	ND		32.0	23.4		ug/L		73	64 - 127
4-Chloroaniline	ND		32.0	8.44		ug/L		26	16 - 124
4-Chlorophenyl phenyl ether	ND	F2	32.0	21.2		ug/L		66	61 - 120
4-Methylphenol	ND		32.0	19.0		ug/L		59	36 - 120
4-Nitroaniline	ND	F2	32.0	20.5		ug/L		64	32 - 150
4-Nitrophenol	ND		64.0	33.2		ug/L		52	23 - 132
Acenaphthene	ND		32.0	23.3		ug/L		73	48 - 120
Acenaphthylene	ND		32.0	24.0		ug/L		75	63 - 120
Acetophenone	ND		32.0	20.4		ug/L		64	53 - 120
Aniline	ND		32.0	11.9		ug/L		37	32 - 120
Anthracene	ND	F2	32.0	24.2		ug/L		76	65 - 122
Atrazine	ND	F2	64.0	46.1		ug/L		72	50 - 150
Benzaldehyde	ND		64.0	38.3		ug/L		60	10 - 150
Benzo(a)anthracene	ND	F2	32.0	21.3		ug/L		66	43 - 124
Benzo(a)pyrene	ND	F2	32.0	18.6		ug/L		58	23 - 125
Benzo(b)fluoranthene	ND	F2	32.0	19.0		ug/L		59	27 - 127
Benzo(g,h,i)perylene	ND	F2	32.0	17.8		ug/L		56	16 - 147
Benzo(k)fluoranthene	ND	F2	32.0	18.2		ug/L		57	20 - 124
Biphenyl	ND		32.0	22.3		ug/L		70	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	20.1		ug/L		63	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	21.6		ug/L		67	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	25.6		ug/L		80	45 - 120
Bis(2-ethylhexyl) phthalate	ND	F2	32.0	19.4		ug/L		61	16 - 150
Butyl benzyl phthalate	ND	F2	32.0	24.9		ug/L		78	51 - 140
Caprolactam	ND		64.0	20.8		ug/L		32	10 - 120
Carbazole	ND	F2	32.0	26.3		ug/L		82	16 - 148
Chrysene	ND	F2	32.0	20.9		ug/L		65	44 - 122
Dibenz(a,h)anthracene	ND	F2	32.0	16.9		ug/L		53	16 - 139
Dibenzofuran	ND		32.0	22.4		ug/L		70	60 - 120
Diethyl phthalate	ND	F2	32.0	24.6		ug/L		77	53 - 133
Dimethyl phthalate	ND	F2	32.0	24.5		ug/L		77	59 - 123
Di-n-butyl phthalate	ND	F2	32.0	24.8		ug/L		78	65 - 129
Di-n-octyl phthalate	ND	F2	32.0	19.5		ug/L		61	16 - 150
Fluoranthene	ND	F2	32.0	25.6		ug/L		80	63 - 129
Fluorene	ND	F2	32.0	23.7		ug/L		74	62 - 120
Hexachlorobenzene	ND	F2	32.0	21.2		ug/L		66	57 - 121
Hexachlorobutadiene	ND		32.0	18.5		ug/L		58	37 - 120
Hexachlorocyclopentadiene	ND		32.0	11.4		ug/L		36	21 - 120
Hexachloroethane	ND		32.0	19.8		ug/L		62	16 - 130
Indeno(1,2,3-cd)pyrene	ND	F2	32.0	17.8		ug/L		56	16 - 140
Isophorone	ND		32.0	22.9		ug/L		72	48 - 133

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: 480-216945-1 MS**

**Matrix: Water**

**Analysis Batch: 700755**

**Client Sample ID: BCC Area C RFI-31A MS**

**Prep Type: Total/NA**

**Prep Batch: 700602**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Naphthalene	ND		32.0	21.6		ug/L		68		45 - 120	
Nitrobenzene	ND		32.0	23.2		ug/L		72		45 - 123	
N-Nitrosodi-n-propylamine	ND		32.0	21.1		ug/L		66		49 - 120	
N-Nitrosodiphenylamine	ND	F2	32.0	25.0		ug/L		78		39 - 138	
Pentachlorophenol	ND		64.0	34.8		ug/L		54		10 - 149	
Phenanthrene	ND	F2	32.0	26.7		ug/L		83		65 - 122	
Phenol	ND		32.0	15.7		ug/L		49		16 - 120	
Pyrene	ND	F2	32.0	26.2		ug/L		82		58 - 128	
<b>MS MS</b>											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol	77		41 - 120								
2-Fluorobiphenyl	69		48 - 120								
2-Fluorophenol	51		35 - 120								
Nitrobenzene-d5	71		46 - 120								
Phenol-d5	43		22 - 120								
p-Terphenyl-d14	58	S1-	60 - 148								

**Lab Sample ID: 480-216945-1 MSD**

**Matrix: Water**

**Analysis Batch: 700755**

**Client Sample ID: BCC Area C RFI-31A MSD**

**Prep Type: Total/NA**

**Prep Batch: 700602**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
2,4,5-Trichlorophenol	ND	F2	32.0	32.4	F2	ug/L		101		65 - 126	19	18
2,4,6-Trichlorophenol	ND		32.0	27.2		ug/L		85		64 - 120	19	19
2,4-Dichlorophenol	0.57	J	32.0	24.8		ug/L		76		48 - 132	11	19
2,4-Dimethylphenol	ND		32.0	23.3		ug/L		73		39 - 130	2	42
2,4-Dinitrophenol	ND	F2	64.0	51.9	F2	ug/L		81		21 - 150	30	22
2,4-Dinitrotoluene	ND		32.0	30.0		ug/L		94		54 - 138	14	20
2,6-Dinitrotoluene	ND		32.0	29.4		ug/L		92		17 - 150	15	15
2-Chloronaphthalene	ND		32.0	25.6		ug/L		80		52 - 124	13	21
2-Chlorophenol	ND		32.0	22.9		ug/L		72		48 - 120	12	25
2-Methylnaphthalene	ND		32.0	24.0		ug/L		75		34 - 140	10	21
2-Methylphenol	ND		32.0	24.6		ug/L		77		46 - 120	15	27
2-Nitroaniline	ND	F2	32.0	29.3	F2	ug/L		92		44 - 136	16	15
2-Nitrophenol	ND		32.0	24.4		ug/L		76		38 - 141	5	18
3,3'-Dichlorobenzidine	ND	F1	64.0	4.57	J F1	ug/L		7		10 - 150	16	25
3-Nitroaniline	ND	F2	32.0	15.5	F2	ug/L		48		32 - 150	25	19
4,6-Dinitro-2-methylphenol	ND	F2	64.0	62.6	F2	ug/L		98		38 - 150	23	15
4-Bromophenyl phenyl ether	ND	F2	32.0	27.5	F2	ug/L		86		63 - 126	18	15
4-Chloro-3-methylphenol	ND		32.0	26.2		ug/L		82		64 - 127	11	27
4-Chloroaniline	ND		32.0	10.4		ug/L		32		16 - 124	20	22
4-Chlorophenyl phenyl ether	ND	F2	32.0	25.6	F2	ug/L		80		61 - 120	19	16
4-Methylphenol	ND		32.0	22.0		ug/L		69		36 - 120	15	24
4-Nitroaniline	ND	F2	32.0	28.7	F2	ug/L		90		32 - 150	34	24
4-Nitrophenol	ND		64.0	40.3		ug/L		63		23 - 132	19	48
Acenaphthene	ND		32.0	27.1		ug/L		85		48 - 120	15	24
Acenaphthylene	ND		32.0	27.0		ug/L		84		63 - 120	12	18
Acetophenone	ND		32.0	24.2		ug/L		76		53 - 120	17	20

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# QC Sample Results

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

Job ID: 480-216945-1

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

Lab Sample ID: 480-216945-1 MSD

Matrix: Water

Analysis Batch: 700755

Client Sample ID: BCC Area C RFI-31A MSD

Prep Type: Total/NA

Prep Batch: 700602

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aniline	ND		32.0	13.5		ug/L		42	32 - 120	13	30
Anthracene	ND	F2	32.0	32.2	F2	ug/L		101	65 - 122	28	15
Atrazine	ND	F2	64.0	59.2	F2	ug/L		93	50 - 150	25	20
Benzaldehyde	ND		64.0	44.3		ug/L		69	10 - 150	15	20
Benzo(a)anthracene	ND	F2	32.0	27.2	F2	ug/L		85	43 - 124	24	15
Benzo(a)pyrene	ND	F2	32.0	25.2	F2	ug/L		79	23 - 125	30	15
Benzo(b)fluoranthene	ND	F2	32.0	24.6	F2	ug/L		77	27 - 127	26	15
Benzo(g,h,i)perylene	ND	F2	32.0	25.7	F2	ug/L		80	16 - 147	36	15
Benzo(k)fluoranthene	ND	F2	32.0	24.4	F2	ug/L		76	20 - 124	29	22
Biphenyl	ND		32.0	25.8		ug/L		81	57 - 120	15	20
bis (2-chloroisopropyl) ether	ND		32.0	23.5		ug/L		73	28 - 121	16	24
Bis(2-chloroethoxy)methane	ND		32.0	23.5		ug/L		73	44 - 128	8	17
Bis(2-chloroethyl)ether	ND		32.0	27.3		ug/L		85	45 - 120	7	21
Bis(2-ethylhexyl) phthalate	ND	F2	32.0	26.9	F2	ug/L		84	16 - 150	32	15
Butyl benzyl phthalate	ND	F2	32.0	32.3	F2	ug/L		101	51 - 140	26	16
Caprolactam	ND		64.0	25.5		ug/L		40	10 - 120	20	20
Carbazole	ND	F2	32.0	35.7	F2	ug/L		112	16 - 148	31	20
Chrysene	ND	F2	32.0	28.6	F2	ug/L		89	44 - 122	31	15
Dibenz(a,h)anthracene	ND	F2	32.0	23.7	F2	ug/L		74	16 - 139	33	15
Dibenzofuran	ND		32.0	25.9		ug/L		81	60 - 120	15	15
Diethyl phthalate	ND	F2	32.0	30.0	F2	ug/L		94	53 - 133	20	15
Dimethyl phthalate	ND	F2	32.0	29.3	F2	ug/L		92	59 - 123	18	15
Di-n-butyl phthalate	ND	F2	32.0	31.8	F2	ug/L		99	65 - 129	25	15
Di-n-octyl phthalate	ND	F2	32.0	27.6	F2	ug/L		86	16 - 150	34	16
Fluoranthene	ND	F2	32.0	33.7	F2	ug/L		105	63 - 129	27	15
Fluorene	ND	F2	32.0	27.8	F2	ug/L		87	62 - 120	16	15
Hexachlorobenzene	ND	F2	32.0	27.9	F2	ug/L		87	57 - 121	27	15
Hexachlorobutadiene	ND		32.0	19.7		ug/L		62	37 - 120	6	44
Hexachlorocyclopentadiene	ND		32.0	11.9		ug/L		37	21 - 120	4	49
Hexachloroethane	ND		32.0	21.1		ug/L		66	16 - 130	6	46
Indeno(1,2,3-cd)pyrene	ND	F2	32.0	24.6	F2	ug/L		77	16 - 140	32	15
Isophorone	ND		32.0	24.9		ug/L		78	48 - 133	8	17
Naphthalene	ND		32.0	23.5		ug/L		73	45 - 120	8	29
Nitrobenzene	ND		32.0	26.0		ug/L		81	45 - 123	11	24
N-Nitrosodi-n-propylamine	ND		32.0	24.2		ug/L		76	49 - 120	14	31
N-Nitrosodiphenylamine	ND	F2	32.0	30.1	F2	ug/L		94	39 - 138	19	15
Pentachlorophenol	ND		64.0	47.6		ug/L		74	10 - 149	31	37
Phenanthrene	ND	F2	32.0	34.2	F2	ug/L		107	65 - 122	25	15
Phenol	ND		32.0	17.6		ug/L		55	16 - 120	11	34
Pyrene	ND	F2	32.0	33.0	F2	ug/L		103	58 - 128	23	19

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol	85		41 - 120
2-Fluorobiphenyl	81		48 - 120
2-Fluorophenol	58		35 - 120
Nitrobenzene-d5	78		46 - 120
Phenol-d5	50		22 - 120
p-Terphenyl-d14	73		60 - 148



# QC Sample Results

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

Job ID: 480-216945-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 480-700398/1-A**  
**Matrix: Water**  
**Analysis Batch: 700617**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.020	0.0068	mg/L		02/12/24 10:18	02/12/24 22:51	1
Arsenic	ND		0.015	0.0056	mg/L		02/12/24 10:18	02/12/24 22:51	1
Barium	ND		0.0020	0.00070	mg/L		02/12/24 10:18	02/12/24 22:51	1
Beryllium	ND		0.0020	0.00030	mg/L		02/12/24 10:18	02/12/24 22:51	1
Cadmium	ND		0.0020	0.00050	mg/L		02/12/24 10:18	02/12/24 22:51	1
Calcium	3.22		0.50	0.10	mg/L		02/12/24 10:18	02/12/24 22:51	1
Chromium	ND		0.0040	0.0010	mg/L		02/12/24 10:18	02/12/24 22:51	1
Cobalt	ND		0.0040	0.00063	mg/L		02/12/24 10:18	02/12/24 22:51	1
Copper	ND		0.010	0.0016	mg/L		02/12/24 10:18	02/12/24 22:51	1
Lead	ND		0.010	0.0030	mg/L		02/12/24 10:18	02/12/24 22:51	1
Manganese	0.0631		0.0030	0.00040	mg/L		02/12/24 10:18	02/12/24 22:51	1
Nickel	ND		0.010	0.0013	mg/L		02/12/24 10:18	02/12/24 22:51	1
Potassium	1.16		0.50	0.10	mg/L		02/12/24 10:18	02/12/24 22:51	1
Selenium	ND		0.025	0.0087	mg/L		02/12/24 10:18	02/12/24 22:51	1
Silver	ND		0.0060	0.0017	mg/L		02/12/24 10:18	02/12/24 22:51	1
Thallium	ND		0.020	0.010	mg/L		02/12/24 10:18	02/12/24 22:51	1
Vanadium	ND		0.0050	0.0015	mg/L		02/12/24 10:18	02/12/24 22:51	1

**Lab Sample ID: MB 480-700398/1-A**  
**Matrix: Water**  
**Analysis Batch: 700739**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		02/12/24 10:18	02/13/24 15:44	1

**Lab Sample ID: LCS 480-700398/2-A**  
**Matrix: Water**  
**Analysis Batch: 700617**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	0.971		mg/L		97	80 - 120
Beryllium	0.500	0.473		mg/L		95	80 - 120
Cadmium	0.500	0.484		mg/L		97	80 - 120
Calcium	25.0	25.42		mg/L		102	80 - 120
Chromium	0.500	0.480		mg/L		96	80 - 120
Cobalt	0.500	0.475		mg/L		95	80 - 120
Copper	0.500	0.480		mg/L		96	80 - 120
Lead	0.500	0.464		mg/L		93	80 - 120
Manganese	0.500	0.509		mg/L		102	80 - 120
Nickel	0.500	0.481		mg/L		96	80 - 120
Potassium	25.0	24.97		mg/L		100	80 - 120
Selenium	1.00	0.969		mg/L		97	80 - 120
Silver	0.0500	0.0480		mg/L		96	80 - 120
Sodium	25.0	27.22		mg/L		109	80 - 120
Thallium	1.00	0.965		mg/L		97	80 - 120
Vanadium	0.500	0.467		mg/L		93	80 - 120



# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: LCS 480-700398/2-A**  
**Matrix: Water**  
**Analysis Batch: 700739**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.10	5.19		mg/L		102	80 - 120

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700617**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.500	0.496		mg/L		99	75 - 125
Arsenic	ND		1.00	1.05		mg/L		105	75 - 125
Barium	0.019		1.00	0.997		mg/L		98	75 - 125
Beryllium	ND		0.500	0.498		mg/L		100	75 - 125
Cadmium	ND		0.500	0.502		mg/L		100	75 - 125
Calcium	188	B	25.0	211.2	4	mg/L		95	75 - 125
Chromium	ND		0.500	0.513		mg/L		103	75 - 125
Cobalt	ND		0.500	0.508		mg/L		102	75 - 125
Copper	ND		0.500	0.494		mg/L		99	75 - 125
Lead	0.022		0.500	0.502		mg/L		96	75 - 125
Manganese	0.72	B	0.500	1.21		mg/L		98	75 - 125
Nickel	0.0015	J	0.500	0.507		mg/L		101	75 - 125
Selenium	ND		1.00	1.02		mg/L		102	75 - 125
Silver	ND		0.0500	0.0524		mg/L		105	75 - 125
Thallium	ND		1.00	0.932		mg/L		93	75 - 125
Vanadium	ND		0.500	0.508		mg/L		102	75 - 125

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700739**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	ND		5.10	5.28		mg/L		104	75 - 125

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700882**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	1540	B ^2 ^+	25.0	1482	^+ 4	mg/L		-217	75 - 125

**Lab Sample ID: 480-216945-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 700617**

**Client Sample ID: BCC Area C RFI-31A MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 700398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.500	0.501		mg/L		100	75 - 125	1	20
Arsenic	ND		1.00	1.07		mg/L		107	75 - 125	1	20
Barium	0.019		1.00	1.01		mg/L		99	75 - 125	1	20
Beryllium	ND		0.500	0.509		mg/L		102	75 - 125	2	20
Cadmium	ND		0.500	0.510		mg/L		102	75 - 125	1	20
Calcium	188	B	25.0	213.7	4	mg/L		105	75 - 125	1	20

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# QC Sample Results

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

Job ID: 480-216945-1

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

Lab Sample ID: 480-216945-1 MSD

Matrix: Water

Analysis Batch: 700617

Client Sample ID: BCC Area C RFI-31A MSD

Prep Type: Total/NA

Prep Batch: 700398

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Chromium	ND		0.500	0.526		mg/L		105	75 - 125	3	20
Cobalt	ND		0.500	0.519		mg/L		104	75 - 125	2	20
Copper	ND		0.500	0.502		mg/L		100	75 - 125	2	20
Lead	0.022		0.500	0.511		mg/L		98	75 - 125	2	20
Manganese	0.72	B	0.500	1.24		mg/L		103	75 - 125	2	20
Nickel	0.0015	J	0.500	0.516		mg/L		103	75 - 125	2	20
Selenium	ND		1.00	1.03		mg/L		103	75 - 125	1	20
Silver	ND		0.0500	0.0544		mg/L		109	75 - 125	4	20
Thallium	ND		1.00	0.951		mg/L		95	75 - 125	2	20
Vanadium	ND		0.500	0.520		mg/L		104	75 - 125	2	20

Lab Sample ID: 480-216945-1 MSD

Matrix: Water

Analysis Batch: 700739

Client Sample ID: BCC Area C RFI-31A MSD

Prep Type: Total/NA

Prep Batch: 700398

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Aluminum	ND		5.10	5.35		mg/L		105	75 - 125	1	20

Lab Sample ID: 480-216945-1 MSD

Matrix: Water

Analysis Batch: 700882

Client Sample ID: BCC Area C RFI-31A MSD

Prep Type: Total/NA

Prep Batch: 700398

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Sodium	1540	B ^2 ^+	25.0	1681	^+ 4	mg/L		578	75 - 125	13	20

Lab Sample ID: MB 480-700797/1-A

Matrix: Water

Analysis Batch: 701014

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 700797

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	ND		0.050	0.019	mg/L		02/15/24 08:21	02/16/24 01:00	1
Magnesium	ND		0.20	0.043	mg/L		02/15/24 08:21	02/16/24 01:00	1
Manganese	ND		0.0030	0.00040	mg/L		02/15/24 08:21	02/16/24 01:00	1
Potassium	ND		0.50	0.10	mg/L		02/15/24 08:21	02/16/24 01:00	1
Sodium	ND		1.0	0.32	mg/L		02/15/24 08:21	02/16/24 01:00	1
Zinc	ND		0.010	0.0015	mg/L		02/15/24 08:21	02/16/24 01:00	1

Lab Sample ID: LCS 480-700797/2-A

Matrix: Water

Analysis Batch: 701014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 700797

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Added	Result				Qualifier
Iron	5.10	5.30		mg/L		104	80 - 120
Magnesium	25.0	24.60		mg/L		98	80 - 120
Manganese	0.500	0.503		mg/L		101	80 - 120
Potassium	25.0	24.40		mg/L		98	80 - 120
Sodium	25.0	24.08		mg/L		96	80 - 120
Zinc	0.500	0.534		mg/L		107	80 - 120

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# QC Sample Results

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

Job ID: 480-216945-1

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

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 701014**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700797**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Iron	0.95		5.10	6.14		mg/L		102		75 - 125
Magnesium	77.2		25.0	101.8		mg/L		98		75 - 125
Potassium	9.6		25.0	35.57		mg/L		104		75 - 125
Zinc	0.0029	J	0.500	0.554		mg/L		110		75 - 125

**Lab Sample ID: 480-216945-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 701014**

**Client Sample ID: BCC Area C RFI-31A MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 700797**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Iron	0.95		5.10	6.23		mg/L		103		75 - 125	1	20
Magnesium	77.2		25.0	104.3		mg/L		108		75 - 125	2	20
Potassium	9.6		25.0	35.80		mg/L		105		75 - 125	1	20
Zinc	0.0029	J	0.500	0.568		mg/L		113		75 - 125	2	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 480-700375/1-A**  
**Matrix: Water**  
**Analysis Batch: 700541**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 700375**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.000043	mg/L		02/12/24 11:24	02/12/24 14:47	1

**Lab Sample ID: LCS 480-700375/2-A**  
**Matrix: Water**  
**Analysis Batch: 700541**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 700375**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Mercury	0.00669	0.00679		mg/L		101		80 - 120

**Lab Sample ID: 480-216945-1 MS**  
**Matrix: Water**  
**Analysis Batch: 700541**

**Client Sample ID: BCC Area C RFI-31A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 700375**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Mercury	ND		0.00669	0.00613		mg/L		92		80 - 120

**Lab Sample ID: 480-216945-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 700541**

**Client Sample ID: BCC Area C RFI-31A MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 700375**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Mercury	ND		0.00669	0.00571		mg/L		85		80 - 120	7	20

# QC Association Summary

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

Job ID: 480-216945-1

## GC/MS VOA

### Analysis Batch: 700322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-2	BCC Area C MW-C04	Total/NA	Water	8260C	
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	8260C	
480-216945-4	BCC Area C PS-05A	Total/NA	Water	8260C	
480-216945-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-700322/8	Method Blank	Total/NA	Water	8260C	
LCS 480-700322/6	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 700465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	8260C	
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	8260C	
MB 480-700465/8	Method Blank	Total/NA	Water	8260C	
LCS 480-700465/6	Lab Control Sample	Total/NA	Water	8260C	
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	8260C	
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	8260C	

## GC/MS Semi VOA

### Prep Batch: 700602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	3510C	
480-216945-2	BCC Area C MW-C04	Total/NA	Water	3510C	
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	3510C	
480-216945-4	BCC Area C PS-05A	Total/NA	Water	3510C	
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	3510C	
MB 480-700602/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-700602/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	3510C	
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	3510C	

### Analysis Batch: 700755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	8270D	700602
480-216945-2	BCC Area C MW-C04	Total/NA	Water	8270D	700602
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	8270D	700602
480-216945-4	BCC Area C PS-05A	Total/NA	Water	8270D	700602
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	8270D	700602
MB 480-700602/1-A	Method Blank	Total/NA	Water	8270D	700602
LCS 480-700602/2-A	Lab Control Sample	Total/NA	Water	8270D	700602
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	8270D	700602
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	8270D	700602

## Metals

### Prep Batch: 700375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	7470A	
480-216945-2	BCC Area C MW-C04	Total/NA	Water	7470A	
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	7470A	
480-216945-4	BCC Area C PS-05A	Total/NA	Water	7470A	
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	7470A	
MB 480-700375/1-A	Method Blank	Total/NA	Water	7470A	

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# QC Association Summary

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

Job ID: 480-216945-1

## Metals (Continued)

### Prep Batch: 700375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-700375/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	7470A	
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	7470A	

### Prep Batch: 700398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	3005A	
480-216945-2	BCC Area C MW-C04	Total/NA	Water	3005A	
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	3005A	
480-216945-4	BCC Area C PS-05A	Total/NA	Water	3005A	
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	3005A	
MB 480-700398/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-700398/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	3005A	
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	3005A	

### Analysis Batch: 700541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	7470A	700375
480-216945-2	BCC Area C MW-C04	Total/NA	Water	7470A	700375
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	7470A	700375
480-216945-4	BCC Area C PS-05A	Total/NA	Water	7470A	700375
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	7470A	700375
MB 480-700375/1-A	Method Blank	Total/NA	Water	7470A	700375
LCS 480-700375/2-A	Lab Control Sample	Total/NA	Water	7470A	700375
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	7470A	700375
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	7470A	700375

### Analysis Batch: 700617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	6010C	700398
480-216945-2	BCC Area C MW-C04	Total/NA	Water	6010C	700398
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	6010C	700398
480-216945-4	BCC Area C PS-05A	Total/NA	Water	6010C	700398
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	6010C	700398
MB 480-700398/1-A	Method Blank	Total/NA	Water	6010C	700398
LCS 480-700398/2-A	Lab Control Sample	Total/NA	Water	6010C	700398
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	6010C	700398
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	6010C	700398

### Analysis Batch: 700739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	6010C	700398
480-216945-2	BCC Area C MW-C04	Total/NA	Water	6010C	700398
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	6010C	700398
480-216945-4	BCC Area C PS-05A	Total/NA	Water	6010C	700398
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	6010C	700398
MB 480-700398/1-A	Method Blank	Total/NA	Water	6010C	700398
LCS 480-700398/2-A	Lab Control Sample	Total/NA	Water	6010C	700398
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	6010C	700398
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	6010C	700398

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# QC Association Summary

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

Job ID: 480-216945-1

## Metals

### Prep Batch: 700797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	3005A	
480-216945-2	BCC Area C MW-C04	Total/NA	Water	3005A	
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	3005A	
480-216945-4	BCC Area C PS-05A	Total/NA	Water	3005A	
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	3005A	
MB 480-700797/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-700797/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	3005A	
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	3005A	

### Analysis Batch: 700882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	6010C	700398
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	6010C	700398
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	6010C	700398
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	6010C	700398

### Analysis Batch: 701014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216945-1	BCC Area C RFI-31A	Total/NA	Water	6010C	700797
480-216945-2	BCC Area C MW-C04	Total/NA	Water	6010C	700797
480-216945-3	BCC Area C RFI-20A	Total/NA	Water	6010C	700797
480-216945-4	BCC Area C PS-05A	Total/NA	Water	6010C	700797
480-216945-5	BCC Area C RFI 31A D	Total/NA	Water	6010C	700797
MB 480-700797/1-A	Method Blank	Total/NA	Water	6010C	700797
LCS 480-700797/2-A	Lab Control Sample	Total/NA	Water	6010C	700797
480-216945-1 MS	BCC Area C RFI-31A MS	Total/NA	Water	6010C	700797
480-216945-1 MSD	BCC Area C RFI-31A MSD	Total/NA	Water	6010C	700797

# Lab Chronicle

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-216945-1**

**Date Collected: 02/08/24 13:00**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700465	CC	EET BUF	02/12/24 13:58
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 18:38
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		5	700882	BMB	EET BUF	02/14/24 16:11
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700617	BMB	EET BUF	02/13/24 00:01
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700739	BMB	EET BUF	02/13/24 16:43
Total/NA	Prep	3005A			700797	ESB	EET BUF	02/15/24 08:21
Total/NA	Analysis	6010C		1	701014	BMB	EET BUF	02/16/24 01:07
Total/NA	Prep	7470A			700375	ESB	EET BUF	02/12/24 11:24
Total/NA	Analysis	7470A		1	700541	BMB	EET BUF	02/12/24 14:49

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-216945-2**

**Date Collected: 02/08/24 09:55**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	700322	CC	EET BUF	02/09/24 15:52
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 19:06
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700617	BMB	EET BUF	02/13/24 00:12
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700739	BMB	EET BUF	02/13/24 17:04
Total/NA	Prep	3005A			700797	ESB	EET BUF	02/15/24 08:21
Total/NA	Analysis	6010C		1	701014	BMB	EET BUF	02/16/24 01:34
Total/NA	Prep	7470A			700375	ESB	EET BUF	02/12/24 11:24
Total/NA	Analysis	7470A		1	700541	BMB	EET BUF	02/12/24 14:55

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

**Date Collected: 02/08/24 10:55**

**Matrix: Water**

**Date Received: 02/08/24 14:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700322	CC	EET BUF	02/09/24 16:15
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 19:35
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700617	BMB	EET BUF	02/13/24 00:15
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700739	BMB	EET BUF	02/13/24 17:07
Total/NA	Prep	3005A			700797	ESB	EET BUF	02/15/24 08:21
Total/NA	Analysis	6010C		1	701014	BMB	EET BUF	02/16/24 01:38

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# Lab Chronicle

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

Job ID: 480-216945-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-216945-3**

Date Collected: 02/08/24 10:55

Matrix: Water

Date Received: 02/08/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			700375	ESB	EET BUF	02/12/24 11:24
Total/NA	Analysis	7470A		1	700541	BMB	EET BUF	02/12/24 14:56

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-216945-4**

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/08/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700322	CC	EET BUF	02/09/24 16:37
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 20:03
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700617	BMB	EET BUF	02/13/24 00:19
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700739	BMB	EET BUF	02/13/24 17:11
Total/NA	Prep	3005A			700797	ESB	EET BUF	02/15/24 08:21
Total/NA	Analysis	6010C		1	701014	BMB	EET BUF	02/16/24 01:41
Total/NA	Prep	7470A			700375	ESB	EET BUF	02/12/24 11:24
Total/NA	Analysis	7470A		1	700541	BMB	EET BUF	02/12/24 14:57

**Client Sample ID: BCC Area C RFI 31A D**

**Lab Sample ID: 480-216945-5**

Date Collected: 02/08/24 13:05

Matrix: Water

Date Received: 02/08/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	700465	CC	EET BUF	02/12/24 14:21
Total/NA	Prep	3510C			700602	JMP	EET BUF	02/13/24 08:59
Total/NA	Analysis	8270D		1	700755	JMM	EET BUF	02/14/24 20:31
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		5	700882	BMB	EET BUF	02/14/24 16:21
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700617	BMB	EET BUF	02/13/24 00:32
Total/NA	Prep	3005A			700398	EMO	EET BUF	02/12/24 10:18
Total/NA	Analysis	6010C		1	700739	BMB	EET BUF	02/13/24 17:14
Total/NA	Prep	3005A			700797	ESB	EET BUF	02/15/24 08:21
Total/NA	Analysis	6010C		1	701014	BMB	EET BUF	02/16/24 01:45
Total/NA	Prep	7470A			700375	ESB	EET BUF	02/12/24 11:24
Total/NA	Analysis	7470A		1	700541	BMB	EET BUF	02/12/24 14:59

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-216945-6**

Date Collected: 02/08/24 13:10

Matrix: Water

Date Received: 02/08/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	700322	CC	EET BUF	02/09/24 17:32

# Lab Chronicle

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

Job ID: 480-216945-1

**Laboratory References:**

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

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# Accreditation/Certification Summary

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

Job ID: 480-216945-1

## Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

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# Method Summary

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

Job ID: 480-216945-1

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: 480-216945-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216945-1	BCC Area C RFI-31A	Water	02/08/24 13:00	02/08/24 14:45
480-216945-2	BCC Area C MW-C04	Water	02/08/24 09:55	02/08/24 14:45
480-216945-3	BCC Area C RFI-20A	Water	02/08/24 10:55	02/08/24 14:45
480-216945-4	BCC Area C PS-05A	Water	02/08/24 12:00	02/08/24 14:45
480-216945-5	BCC Area C RFI 31A D	Water	02/08/24 13:05	02/08/24 14:45
480-216945-6	TRIP BLANK	Water	02/08/24 13:10	02/08/24 14:45

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# Chain of Custody Record

**EUROFINS BUFFALO**  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Phone: 716-691-2600 Fax: 716-691-7991

**Client Information**  
 Client Contact: Kirsten Colligan  
 Company: Ontario Specialty Contracting, Inc.  
 Address: 140 Lee St.  
 City: Buffalo  
 State, Zip: NY, 14210  
 Phone: 716-856-3333  
 Email: kcolligan@oscinc.com  
 Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area  
 Site: New York

**Lab PM:** Schove, John R  
**E-Mail:** John.Schove@et.eurofins.com  
**Phone:** 716-480-3052  
**State of Origin:** NY  
**Page 1 of 1**  
**Job #:** 16011  
**Carving Tracking No(s):** OSC  
**COC No:** 480-191561-6265.1

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sewage, On-site soil, BT-Tissue, Avul)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	6010B, 7470A	8260B - TCL VOCs	8270C - TCL SVOCs + aniline	Total Number of Containers	Special Instructions/Note:
BCC Area C RFI-31A	2-8-24	13:00	G	Water	X	X	D	A	N		
BCC Area C MW-C04		9:55	G	Water			1	3	0		
BCC Area C RFI-20A		10:55	G	Water			1	3	0		
BCC Area C PS-05A		12:00	G	Water			1	3	0		
BCC Area C RFI 31A D		13:05	G	Water			1	3	0		
BCC Area C RFI 31A MS		13:10	G	Water			1	3	0		
BCC Area C RFI 31A MSD		13:15	G	Water			1	3	0		
TRIP BLANK				Water							

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: Jeff v. Kaufman Date/Time: 2-8-24 14:45 Company: OSC  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Custody Seal No.:** 2149474  
 Yes  No  
 Custody Seal Intact:  Yes  No  
 Cooler Temperature(s) °C and Other Remarks: 12.1 ICE

**Sample Disposal (A fee may be assessed if samples a.)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Special Instructions/QC Requirements:**



480-216945 Chain of Custody



# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-216945-1

**Login Number: 216945**

**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.	False	
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	







# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kirsten Colligan  
Ontario Specialty Contracting, Inc.  
140 Lee St.  
Buffalo, New York 14210  
Generated 6/14/2024 12:56:09 PM

## JOB DESCRIPTION

Buffalo Color Area C Wells

## JOB NUMBER

480-220464-1

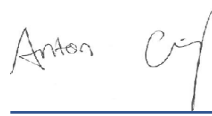
# Eurofins Buffalo

## Job Notes

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

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

## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	7
Client Sample Results . . . . .	10
Surrogate Summary . . . . .	32
QC Sample Results . . . . .	33
QC Association Summary . . . . .	54
Lab Chronicle . . . . .	56
Certification Summary . . . . .	58
Method Summary . . . . .	59
Sample Summary . . . . .	60
Chain of Custody . . . . .	61
Receipt Checklists . . . . .	62

# Definitions/Glossary

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

Job ID: 480-220464-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

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

### Metals

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

## Glossary

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

# Case Narrative

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

Job ID: 480-220464-1

**Job ID: 480-220464-1**

**Eurofins Buffalo**

## Job Narrative 480-220464-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 6/4/2024 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°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-31A (480-220464-1) and BCC Area C MW-C04 D (480-220464-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-714555 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-714555 was outside the method criteria for the following analyte(s): 1,2,4-Trichlorobenzene. 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 8260C: The continuing calibration verification (CCV) associated with batch 480-714555 recovered outside acceptance criteria, low biased, for Chloromethane and 1,2,4-Trichlorobenzene. 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 laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-714555 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. 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 following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area C MW-C04 (480-220464-5), BCC Area C MW-C04 MS (480-220464-5[MS]) and BCC Area C MW-C04 MSD (480-220464-5[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-714557 recovered above the upper control limit for Trichlorofluoromethane and Vinyl chloride. 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 MW-C04 (480-220464-5).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-714557 recovered outside control limits for the following analytes: Chloroethane. 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-714557 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area C RFI-31A (480-220464-1) and BCC Area C PS-05A (480-220464-4). Elevated reporting limits (RLs) are provided.

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

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# Case Narrative

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

Job ID: 480-220464-1

**Job ID: 480-220464-1 (Continued)**

**Eurofins Buffalo**

## GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-715312 recovered above the upper control limit for 4-Nitrophenol. 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 RFI-31A (480-220464-1), BCC Area C MW-C04 D (480-220464-2), BCC Area C RFI-20A (480-220464-3), BCC Area C PS-05A (480-220464-4) and BCC Area C MW-C04 (480-220464-5).

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

## Metals

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: 480-220464-1

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

## Lab Sample ID: 480-220464-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	34		2.0	0.82	ug/L	2		8260C	Total/NA
1,2-Dichlorobenzene	9.2		2.0	1.6	ug/L	2		8260C	Total/NA
1,4-Dichlorobenzene	56		2.0	1.7	ug/L	2		8260C	Total/NA
Chlorobenzene	52		2.0	1.5	ug/L	2		8260C	Total/NA
1,3-Dichlorobenzene - DL	270		8.0	6.2	ug/L	8		8260C	Total/NA
2,4-Dichlorophenol	1.9	J	5.0	0.51	ug/L	1		8270D	Total/NA
4-Chloroaniline	0.66	J	5.0	0.59	ug/L	1		8270D	Total/NA
Caprolactam	2.9	J	5.0	2.2	ug/L	1		8270D	Total/NA
Arsenic	0.0097	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.022		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	217		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0013	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	0.88		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	92.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.73		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0031	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	8.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	3120		10.0	3.2	mg/L	10		6010C	Total/NA
Thallium	0.010	J	0.020	0.010	mg/L	1		6010C	Total/NA
Zinc	0.0070	J	0.010	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-220464-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	14		8.0	6.2	ug/L	8		8260C	Total/NA
1,4-Dichlorobenzene	24		8.0	6.7	ug/L	8		8260C	Total/NA
Chlorobenzene	230		8.0	6.0	ug/L	8		8260C	Total/NA
2,4-Dichlorophenol	0.79	J	5.2	0.53	ug/L	1		8270D	Total/NA
2-Chlorophenol	0.64	J	5.2	0.55	ug/L	1		8270D	Total/NA
Aniline	1.5	J	10	0.64	ug/L	1		8270D	Total/NA
Caprolactam	2.6	J	5.2	2.3	ug/L	1		8270D	Total/NA
N-Nitrosodiphenylamine	0.73	J	5.2	0.53	ug/L	1		8270D	Total/NA
Barium	0.51		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	277		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	2.7		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0046	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	45.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.63		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	14.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	161		1.0	0.32	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-220464-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	2.4		1.0	0.75	ug/L	1		8260C	Total/NA
Arsenic	0.016		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.068		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	279		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0012	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	20.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0030	J	0.010	0.0030	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo



# Detection Summary

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

Job ID: 480-220464-1

## Client Sample ID: BCC Area C RFI-20A (Continued)

Lab Sample ID: 480-220464-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	18.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.51		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0024	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	10.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	67.8		1.0	0.32	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 PS-05A

Lab Sample ID: 480-220464-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	3.1		1.0	0.79	ug/L	1		8260C	Total/NA
Carbon disulfide	0.58	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chlorobenzene - DL	180		4.0	3.0	ug/L	4		8260C	Total/NA
2-Chlorophenol	2.0	J	5.4	0.58	ug/L	1		8270D	Total/NA
Aniline	1.3	J	11	0.66	ug/L	1		8270D	Total/NA
Aluminum	0.39		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0088	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.11		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	187		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	6.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	29.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	6.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	56.3		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0021	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0024	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.000047	J	0.00020	0.000042	mg/L	1		7470A	Total/NA

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

Lab Sample ID: 480-220464-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	12		4.0	3.1	ug/L	4		8260C	Total/NA
1,4-Dichlorobenzene	23		4.0	3.4	ug/L	4		8260C	Total/NA
Chlorobenzene	210	F1	4.0	3.0	ug/L	4		8260C	Total/NA
Methylene Chloride	2.1	J	4.0	1.8	ug/L	4		8260C	Total/NA
2,4-Dichlorophenol	0.95	J	5.0	0.51	ug/L	1		8270D	Total/NA
2-Chlorophenol	0.65	J	5.0	0.53	ug/L	1		8270D	Total/NA
Aniline	1.6	J	10	0.61	ug/L	1		8270D	Total/NA
Caprolactam	2.9	J	5.0	2.2	ug/L	1		8270D	Total/NA
N-Nitrosodiphenylamine	0.82	J	5.0	0.51	ug/L	1		8270D	Total/NA
Barium	0.50		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	274		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.00072	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	2.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0030	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	44.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.62		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	14.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	159		1.0	0.32	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 480-220464-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-220464-6**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.3		1.0	0.75	ug/L	1		8260C	Total/NA

1

2

3

4

5

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This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-220464-1**

Date Collected: 06/04/24 13:25

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			06/05/24 22:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/05/24 22:01	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			06/05/24 22:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/05/24 22:01	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/05/24 22:01	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/05/24 22:01	2
<b>1,2,4-Trichlorobenzene</b>	<b>34</b>		2.0	0.82	ug/L			06/05/24 22:01	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			06/05/24 22:01	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			06/05/24 22:01	2
<b>1,2-Dichlorobenzene</b>	<b>9.2</b>		2.0	1.6	ug/L			06/05/24 22:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/05/24 22:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/05/24 22:01	2
<b>1,4-Dichlorobenzene</b>	<b>56</b>		2.0	1.7	ug/L			06/05/24 22:01	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/05/24 22:01	2
2-Hexanone	ND		10	2.5	ug/L			06/05/24 22:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/05/24 22:01	2
Acetone	ND		20	6.0	ug/L			06/05/24 22:01	2
Benzene	ND		2.0	0.82	ug/L			06/05/24 22:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/05/24 22:01	2
Bromoform	ND		2.0	0.52	ug/L			06/05/24 22:01	2
Bromomethane	ND		2.0	1.4	ug/L			06/05/24 22:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/05/24 22:01	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/05/24 22:01	2
<b>Chlorobenzene</b>	<b>52</b>		2.0	1.5	ug/L			06/05/24 22:01	2
Chloroethane	ND		2.0	0.64	ug/L			06/05/24 22:01	2
Chloroform	ND		2.0	0.68	ug/L			06/05/24 22:01	2
Chloromethane	ND		2.0	0.70	ug/L			06/05/24 22:01	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			06/05/24 22:01	2
cis-1,3-Dichloropropene	ND	*+	2.0	0.72	ug/L			06/05/24 22:01	2
Cyclohexane	ND		2.0	0.36	ug/L			06/05/24 22:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/05/24 22:01	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			06/05/24 22:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/05/24 22:01	2
Isopropylbenzene	ND		2.0	1.6	ug/L			06/05/24 22:01	2
Methyl acetate	ND		5.0	2.6	ug/L			06/05/24 22:01	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			06/05/24 22:01	2
Methylcyclohexane	ND		2.0	0.32	ug/L			06/05/24 22:01	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/05/24 22:01	2
Styrene	ND		2.0	1.5	ug/L			06/05/24 22:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/05/24 22:01	2
Toluene	ND		2.0	1.0	ug/L			06/05/24 22:01	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			06/05/24 22:01	2
trans-1,3-Dichloropropene	ND	*+	2.0	0.74	ug/L			06/05/24 22:01	2
Trichloroethene	ND		2.0	0.92	ug/L			06/05/24 22:01	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			06/05/24 22:01	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/05/24 22:01	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/05/24 22:01	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		06/05/24 22:01	2

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-220464-1**

Date Collected: 06/04/24 13:25

Matrix: Water

Date Received: 06/04/24 16:00

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		73 - 120		06/05/24 22:01	2
Toluene-d8 (Surr)	111		80 - 120		06/05/24 22:01	2
Dibromofluoromethane (Surr)	108		75 - 123		06/05/24 22:01	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,3-Dichlorobenzene</b>	<b>270</b>		8.0	6.2	ug/L			06/07/24 03:21	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		06/07/24 03:21	8
4-Bromofluorobenzene (Surr)	104		73 - 120		06/07/24 03:21	8
Toluene-d8 (Surr)	99		80 - 120		06/07/24 03:21	8
Dibromofluoromethane (Surr)	97		75 - 123		06/07/24 03:21	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 17:47	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/11/24 09:14	06/12/24 17:47	1
<b>2,4-Dichlorophenol</b>	<b>1.9</b>	<b>J</b>	5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:47	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/11/24 09:14	06/12/24 17:47	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:47	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:47	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Nitroaniline	ND		10	0.42	ug/L		06/11/24 09:14	06/12/24 17:47	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 17:47	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:47	1
3-Nitroaniline	ND		10	0.48	ug/L		06/11/24 09:14	06/12/24 17:47	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:47	1
<b>4-Chloroaniline</b>	<b>0.66</b>	<b>J</b>	5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Methylphenol	ND		10	0.36	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Nitroaniline	ND		10	0.25	ug/L		06/11/24 09:14	06/12/24 17:47	1
4-Nitrophenol	ND		10	1.5	ug/L		06/11/24 09:14	06/12/24 17:47	1
Acenaphthene	ND		5.0	0.41	ug/L		06/11/24 09:14	06/12/24 17:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/11/24 09:14	06/12/24 17:47	1
Acetophenone	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 17:47	1
Aniline	ND		10	0.61	ug/L		06/11/24 09:14	06/12/24 17:47	1
Anthracene	ND		5.0	0.28	ug/L		06/11/24 09:14	06/12/24 17:47	1
Atrazine	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 17:47	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/11/24 09:14	06/12/24 17:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 17:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:47	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-220464-1**

Date Collected: 06/04/24 13:25

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/11/24 09:14	06/12/24 17:47	1
Biphenyl	ND		5.0	0.65	ug/L		06/11/24 09:14	06/12/24 17:47	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/11/24 09:14	06/12/24 17:47	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:47	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:47	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/11/24 09:14	06/12/24 17:47	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/11/24 09:14	06/12/24 17:47	1
<b>Caprolactam</b>	<b>2.9</b>	<b>J</b>	5.0	2.2	ug/L		06/11/24 09:14	06/12/24 17:47	1
Carbazole	ND		5.0	0.30	ug/L		06/11/24 09:14	06/12/24 17:47	1
Chrysene	ND		5.0	0.33	ug/L		06/11/24 09:14	06/12/24 17:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/11/24 09:14	06/12/24 17:47	1
Dibenzofuran	ND		10	0.51	ug/L		06/11/24 09:14	06/12/24 17:47	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/11/24 09:14	06/12/24 17:47	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:47	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/11/24 09:14	06/12/24 17:47	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:47	1
Fluoranthene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:47	1
Fluorene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:47	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:47	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/11/24 09:14	06/12/24 17:47	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:47	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:47	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:47	1
Isophorone	ND		5.0	0.43	ug/L		06/11/24 09:14	06/12/24 17:47	1
Naphthalene	ND		5.0	0.76	ug/L		06/11/24 09:14	06/12/24 17:47	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/11/24 09:14	06/12/24 17:47	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 17:47	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:47	1
Pentachlorophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:47	1
Phenanthrene	ND		5.0	0.44	ug/L		06/11/24 09:14	06/12/24 17:47	1
Phenol	ND		5.0	0.39	ug/L		06/11/24 09:14	06/12/24 17:47	1
Pyrene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	122		25 - 144	06/11/24 09:14	06/12/24 17:47	1
2-Fluorobiphenyl	65		53 - 126	06/11/24 09:14	06/12/24 17:47	1
2-Fluorophenol	58		24 - 120	06/11/24 09:14	06/12/24 17:47	1
Nitrobenzene-d5	80		29 - 129	06/11/24 09:14	06/12/24 17:47	1
Phenol-d5	45		10 - 120	06/11/24 09:14	06/12/24 17:47	1
p-Terphenyl-d14	64		33 - 132	06/11/24 09:14	06/12/24 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:08	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Arsenic</b>	<b>0.0097</b>	<b>J</b>	0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Barium</b>	<b>0.022</b>		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:08	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:08	1
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Calcium</b>	<b>217</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:08	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-220464-1**

Date Collected: 06/04/24 13:25

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Cobalt</b>	<b>0.0013</b>	<b>J</b>	0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:08	1
Copper	ND		0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Iron</b>	<b>0.88</b>		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:08	1
Lead	ND		0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Magnesium</b>	<b>92.1</b>		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Manganese</b>	<b>0.73</b>		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Nickel</b>	<b>0.0031</b>	<b>J</b>	0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Potassium</b>	<b>8.9</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:08	1
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:08	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Sodium</b>	<b>3120</b>		10.0	3.2	mg/L		06/06/24 09:16	06/07/24 11:52	10
<b>Thallium</b>	<b>0.010</b>	<b>J</b>	0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:08	1
Vanadium	ND		0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:08	1
<b>Zinc</b>	<b>0.0070</b>	<b>J</b>	0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:08	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:50	1

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04 D**

**Lab Sample ID: 480-220464-2**

Date Collected: 06/04/24 09:15

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			06/05/24 22:25	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			06/05/24 22:25	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			06/05/24 22:25	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			06/05/24 22:25	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			06/05/24 22:25	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			06/05/24 22:25	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			06/05/24 22:25	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			06/05/24 22:25	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			06/05/24 22:25	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			06/05/24 22:25	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			06/05/24 22:25	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			06/05/24 22:25	8
<b>1,3-Dichlorobenzene</b>	<b>14</b>		8.0	6.2	ug/L			06/05/24 22:25	8
<b>1,4-Dichlorobenzene</b>	<b>24</b>		8.0	6.7	ug/L			06/05/24 22:25	8
2-Butanone (MEK)	ND		80	11	ug/L			06/05/24 22:25	8
2-Hexanone	ND		40	9.9	ug/L			06/05/24 22:25	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			06/05/24 22:25	8
Acetone	ND		80	24	ug/L			06/05/24 22:25	8
Benzene	ND		8.0	3.3	ug/L			06/05/24 22:25	8
Bromodichloromethane	ND		8.0	3.1	ug/L			06/05/24 22:25	8
Bromoform	ND		8.0	2.1	ug/L			06/05/24 22:25	8
Bromomethane	ND		8.0	5.5	ug/L			06/05/24 22:25	8
Carbon disulfide	ND		8.0	1.5	ug/L			06/05/24 22:25	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			06/05/24 22:25	8
<b>Chlorobenzene</b>	<b>230</b>		8.0	6.0	ug/L			06/05/24 22:25	8
Chloroethane	ND		8.0	2.6	ug/L			06/05/24 22:25	8
Chloroform	ND		8.0	2.7	ug/L			06/05/24 22:25	8
Chloromethane	ND		8.0	2.8	ug/L			06/05/24 22:25	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			06/05/24 22:25	8
cis-1,3-Dichloropropene	ND	*+	8.0	2.9	ug/L			06/05/24 22:25	8
Cyclohexane	ND		8.0	1.4	ug/L			06/05/24 22:25	8
Dibromochloromethane	ND		8.0	2.6	ug/L			06/05/24 22:25	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			06/05/24 22:25	8
Ethylbenzene	ND		8.0	5.9	ug/L			06/05/24 22:25	8
Isopropylbenzene	ND		8.0	6.3	ug/L			06/05/24 22:25	8
Methyl acetate	ND		20	10	ug/L			06/05/24 22:25	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			06/05/24 22:25	8
Methylcyclohexane	ND		8.0	1.3	ug/L			06/05/24 22:25	8
Methylene Chloride	ND		8.0	3.5	ug/L			06/05/24 22:25	8
Styrene	ND		8.0	5.8	ug/L			06/05/24 22:25	8
Tetrachloroethene	ND		8.0	2.9	ug/L			06/05/24 22:25	8
Toluene	ND		8.0	4.1	ug/L			06/05/24 22:25	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			06/05/24 22:25	8
trans-1,3-Dichloropropene	ND	*+	8.0	3.0	ug/L			06/05/24 22:25	8
Trichloroethene	ND		8.0	3.7	ug/L			06/05/24 22:25	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			06/05/24 22:25	8
Vinyl chloride	ND		8.0	7.2	ug/L			06/05/24 22:25	8
Xylenes, Total	ND		16	5.3	ug/L			06/05/24 22:25	8



# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04 D**

**Lab Sample ID: 480-220464-2**

Date Collected: 06/04/24 09:15

Matrix: Water

Date Received: 06/04/24 16:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		06/05/24 22:25	8
4-Bromofluorobenzene (Surr)	112		73 - 120		06/05/24 22:25	8
Toluene-d8 (Surr)	107		80 - 120		06/05/24 22:25	8
Dibromofluoromethane (Surr)	100		75 - 123		06/05/24 22:25	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		06/11/24 09:14	06/12/24 18:14	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		06/11/24 09:14	06/12/24 18:14	1
<b>2,4-Dichlorophenol</b>	<b>0.79</b>	<b>J</b>	5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:14	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		06/11/24 09:14	06/12/24 18:14	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:14	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:14	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:14	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		06/11/24 09:14	06/12/24 18:14	1
<b>2-Chlorophenol</b>	<b>0.64</b>	<b>J</b>	5.2	0.55	ug/L		06/11/24 09:14	06/12/24 18:14	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		06/11/24 09:14	06/12/24 18:14	1
2-Methylphenol	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:14	1
2-Nitroaniline	ND		10	0.44	ug/L		06/11/24 09:14	06/12/24 18:14	1
2-Nitrophenol	ND		5.2	0.50	ug/L		06/11/24 09:14	06/12/24 18:14	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:14	1
3-Nitroaniline	ND		10	0.50	ug/L		06/11/24 09:14	06/12/24 18:14	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Chloroaniline	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Methylphenol	ND		10	0.38	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Nitroaniline	ND		10	0.26	ug/L		06/11/24 09:14	06/12/24 18:14	1
4-Nitrophenol	ND		10	1.6	ug/L		06/11/24 09:14	06/12/24 18:14	1
Acenaphthene	ND		5.2	0.43	ug/L		06/11/24 09:14	06/12/24 18:14	1
Acenaphthylene	ND		5.2	0.40	ug/L		06/11/24 09:14	06/12/24 18:14	1
Acetophenone	ND		5.2	0.56	ug/L		06/11/24 09:14	06/12/24 18:14	1
<b>Aniline</b>	<b>1.5</b>	<b>J</b>	10	0.64	ug/L		06/11/24 09:14	06/12/24 18:14	1
Anthracene	ND		5.2	0.29	ug/L		06/11/24 09:14	06/12/24 18:14	1
Atrazine	ND		5.2	0.48	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzaldehyde	ND		5.2	0.28	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:14	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		06/11/24 09:14	06/12/24 18:14	1
Biphenyl	ND		5.2	0.68	ug/L		06/11/24 09:14	06/12/24 18:14	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		06/11/24 09:14	06/12/24 18:14	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:14	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:14	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		06/11/24 09:14	06/12/24 18:14	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		06/11/24 09:14	06/12/24 18:14	1
<b>Caprolactam</b>	<b>2.6</b>	<b>J</b>	5.2	2.3	ug/L		06/11/24 09:14	06/12/24 18:14	1
Carbazole	ND		5.2	0.31	ug/L		06/11/24 09:14	06/12/24 18:14	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04 D**

**Lab Sample ID: 480-220464-2**

Date Collected: 06/04/24 09:15

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.2	0.34	ug/L		06/11/24 09:14	06/12/24 18:14	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		06/11/24 09:14	06/12/24 18:14	1
Dibenzofuran	ND		10	0.53	ug/L		06/11/24 09:14	06/12/24 18:14	1
Diethyl phthalate	ND		5.2	0.23	ug/L		06/11/24 09:14	06/12/24 18:14	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:14	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		06/11/24 09:14	06/12/24 18:14	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:14	1
Fluoranthene	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:14	1
Fluorene	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:14	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:14	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		06/11/24 09:14	06/12/24 18:14	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:14	1
Hexachloroethane	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:14	1
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:14	1
Isophorone	ND		5.2	0.45	ug/L		06/11/24 09:14	06/12/24 18:14	1
Naphthalene	ND		5.2	0.79	ug/L		06/11/24 09:14	06/12/24 18:14	1
Nitrobenzene	ND		5.2	0.30	ug/L		06/11/24 09:14	06/12/24 18:14	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		06/11/24 09:14	06/12/24 18:14	1
<b>N-Nitrosodiphenylamine</b>	<b>0.73</b>	<b>J</b>	5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:14	1
Pentachlorophenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:14	1
Phenanthrene	ND		5.2	0.46	ug/L		06/11/24 09:14	06/12/24 18:14	1
Phenol	ND		5.2	0.41	ug/L		06/11/24 09:14	06/12/24 18:14	1
Pyrene	ND		5.2	0.35	ug/L		06/11/24 09:14	06/12/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		25 - 144	06/11/24 09:14	06/12/24 18:14	1
2-Fluorobiphenyl	73		53 - 126	06/11/24 09:14	06/12/24 18:14	1
2-Fluorophenol	50		24 - 120	06/11/24 09:14	06/12/24 18:14	1
Nitrobenzene-d5	66		29 - 129	06/11/24 09:14	06/12/24 18:14	1
Phenol-d5	40		10 - 120	06/11/24 09:14	06/12/24 18:14	1
p-Terphenyl-d14	46		33 - 132	06/11/24 09:14	06/12/24 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:10	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:10	1
Arsenic	ND		0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Barium</b>	<b>0.51</b>		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:10	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:10	1
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Calcium</b>	<b>277</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:10	1
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:10	1
Cobalt	ND		0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:10	1
Copper	ND		0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Iron</b>	<b>2.7</b>		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Lead</b>	<b>0.0046</b>	<b>J</b>	0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Magnesium</b>	<b>45.4</b>		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Manganese</b>	<b>0.63</b>		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Nickel</b>	<b>0.0019</b>	<b>J</b>	0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Potassium</b>	<b>14.4</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:10	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04 D**

**Lab Sample ID: 480-220464-2**

Date Collected: 06/04/24 09:15

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:10	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:10	1
<b>Sodium</b>	<b>161</b>		1.0	0.32	mg/L		06/06/24 09:16	06/06/24 17:10	1
Thallium	ND		0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:10	1
Vanadium	ND		0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:10	1
Zinc	ND		0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:10	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:51	1



# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-220464-3**

Date Collected: 06/04/24 10:50

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/05/24 22:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/05/24 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/05/24 22:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/05/24 22:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/05/24 22:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/05/24 22:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/05/24 22:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/05/24 22:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/05/24 22:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/05/24 22:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/05/24 22:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/05/24 22:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/05/24 22:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/05/24 22:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/05/24 22:48	1
2-Hexanone	ND		5.0	1.2	ug/L			06/05/24 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/05/24 22:48	1
Acetone	ND		10	3.0	ug/L			06/05/24 22:48	1
Benzene	ND		1.0	0.41	ug/L			06/05/24 22:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/05/24 22:48	1
Bromoform	ND		1.0	0.26	ug/L			06/05/24 22:48	1
Bromomethane	ND		1.0	0.69	ug/L			06/05/24 22:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/05/24 22:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/05/24 22:48	1
<b>Chlorobenzene</b>	<b>2.4</b>		1.0	0.75	ug/L			06/05/24 22:48	1
Chloroethane	ND		1.0	0.32	ug/L			06/05/24 22:48	1
Chloroform	ND		1.0	0.34	ug/L			06/05/24 22:48	1
Chloromethane	ND		1.0	0.35	ug/L			06/05/24 22:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/05/24 22:48	1
cis-1,3-Dichloropropene	ND	*+	1.0	0.36	ug/L			06/05/24 22:48	1
Cyclohexane	ND		1.0	0.18	ug/L			06/05/24 22:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/05/24 22:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/05/24 22:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/05/24 22:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/05/24 22:48	1
Methyl acetate	ND		2.5	1.3	ug/L			06/05/24 22:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/05/24 22:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/05/24 22:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/05/24 22:48	1
Styrene	ND		1.0	0.73	ug/L			06/05/24 22:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/05/24 22:48	1
Toluene	ND		1.0	0.51	ug/L			06/05/24 22:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/05/24 22:48	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			06/05/24 22:48	1
Trichloroethene	ND		1.0	0.46	ug/L			06/05/24 22:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/05/24 22:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/05/24 22:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/05/24 22:48	1

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-220464-3**

**Date Collected: 06/04/24 10:50**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/05/24 22:48	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/05/24 22:48	1
Toluene-d8 (Surr)	99		80 - 120		06/05/24 22:48	1
Dibromofluoromethane (Surr)	91		75 - 123		06/05/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:41	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Chlorophenol	ND		5.2	0.55	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Methylphenol	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Nitroaniline	ND		10	0.44	ug/L		06/11/24 09:14	06/12/24 18:41	1
2-Nitrophenol	ND		5.2	0.50	ug/L		06/11/24 09:14	06/12/24 18:41	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:41	1
3-Nitroaniline	ND		10	0.50	ug/L		06/11/24 09:14	06/12/24 18:41	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Chloroaniline	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Methylphenol	ND		10	0.38	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Nitroaniline	ND		10	0.26	ug/L		06/11/24 09:14	06/12/24 18:41	1
4-Nitrophenol	ND		10	1.6	ug/L		06/11/24 09:14	06/12/24 18:41	1
Acenaphthene	ND		5.2	0.43	ug/L		06/11/24 09:14	06/12/24 18:41	1
Acenaphthylene	ND		5.2	0.40	ug/L		06/11/24 09:14	06/12/24 18:41	1
Acetophenone	ND		5.2	0.56	ug/L		06/11/24 09:14	06/12/24 18:41	1
Aniline	ND		10	0.64	ug/L		06/11/24 09:14	06/12/24 18:41	1
Anthracene	ND		5.2	0.29	ug/L		06/11/24 09:14	06/12/24 18:41	1
Atrazine	ND		5.2	0.48	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzaldehyde	ND		5.2	0.28	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:41	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		06/11/24 09:14	06/12/24 18:41	1
Biphenyl	ND		5.2	0.68	ug/L		06/11/24 09:14	06/12/24 18:41	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		06/11/24 09:14	06/12/24 18:41	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		06/11/24 09:14	06/12/24 18:41	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:41	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		06/11/24 09:14	06/12/24 18:41	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		06/11/24 09:14	06/12/24 18:41	1
Caprolactam	ND		5.2	2.3	ug/L		06/11/24 09:14	06/12/24 18:41	1
Carbazole	ND		5.2	0.31	ug/L		06/11/24 09:14	06/12/24 18:41	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-220464-3**

Date Collected: 06/04/24 10:50

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.2	0.34	ug/L		06/11/24 09:14	06/12/24 18:41	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		06/11/24 09:14	06/12/24 18:41	1
Dibenzofuran	ND		10	0.53	ug/L		06/11/24 09:14	06/12/24 18:41	1
Diethyl phthalate	ND		5.2	0.23	ug/L		06/11/24 09:14	06/12/24 18:41	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:41	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		06/11/24 09:14	06/12/24 18:41	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:41	1
Fluoranthene	ND		5.2	0.42	ug/L		06/11/24 09:14	06/12/24 18:41	1
Fluorene	ND		5.2	0.38	ug/L		06/11/24 09:14	06/12/24 18:41	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:41	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		06/11/24 09:14	06/12/24 18:41	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:41	1
Hexachloroethane	ND		5.2	0.61	ug/L		06/11/24 09:14	06/12/24 18:41	1
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L		06/11/24 09:14	06/12/24 18:41	1
Isophorone	ND		5.2	0.45	ug/L		06/11/24 09:14	06/12/24 18:41	1
Naphthalene	ND		5.2	0.79	ug/L		06/11/24 09:14	06/12/24 18:41	1
Nitrobenzene	ND		5.2	0.30	ug/L		06/11/24 09:14	06/12/24 18:41	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		06/11/24 09:14	06/12/24 18:41	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		06/11/24 09:14	06/12/24 18:41	1
Pentachlorophenol	ND		10	2.3	ug/L		06/11/24 09:14	06/12/24 18:41	1
Phenanthrene	ND		5.2	0.46	ug/L		06/11/24 09:14	06/12/24 18:41	1
Phenol	ND		5.2	0.41	ug/L		06/11/24 09:14	06/12/24 18:41	1
Pyrene	ND		5.2	0.35	ug/L		06/11/24 09:14	06/12/24 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		25 - 144	06/11/24 09:14	06/12/24 18:41	1
2-Fluorobiphenyl	93		53 - 126	06/11/24 09:14	06/12/24 18:41	1
2-Fluorophenol	61		24 - 120	06/11/24 09:14	06/12/24 18:41	1
Nitrobenzene-d5	82		29 - 129	06/11/24 09:14	06/12/24 18:41	1
Phenol-d5	49		10 - 120	06/11/24 09:14	06/12/24 18:41	1
p-Terphenyl-d14	78		33 - 132	06/11/24 09:14	06/12/24 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:12	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Arsenic</b>	<b>0.016</b>		0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Barium</b>	<b>0.068</b>		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:12	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:12	1
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Calcium</b>	<b>279</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:12	1
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Cobalt</b>	<b>0.0012</b>	<b>J</b>	0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:12	1
Copper	ND		0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Iron</b>	<b>20.6</b>		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Lead</b>	<b>0.0030</b>	<b>J</b>	0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Magnesium</b>	<b>18.6</b>		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Manganese</b>	<b>0.51</b>		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Nickel</b>	<b>0.0024</b>	<b>J</b>	0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Potassium</b>	<b>10.4</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:12	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-220464-3**

Date Collected: 06/04/24 10:50

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:12	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Sodium</b>	<b>67.8</b>		1.0	0.32	mg/L		06/06/24 09:16	06/06/24 17:12	1
Thallium	ND		0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:12	1
Vanadium	ND		0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:12	1
<b>Zinc</b>	<b>0.019</b>		0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:12	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:55	1

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



# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-220464-4**

Date Collected: 06/04/24 12:00

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/05/24 23:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/05/24 23:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/05/24 23:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/05/24 23:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/05/24 23:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/05/24 23:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/05/24 23:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/05/24 23:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/05/24 23:11	1
<b>1,2-Dichlorobenzene</b>	<b>3.1</b>		1.0	0.79	ug/L			06/05/24 23:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/05/24 23:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/05/24 23:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/05/24 23:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/05/24 23:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/05/24 23:11	1
2-Hexanone	ND		5.0	1.2	ug/L			06/05/24 23:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/05/24 23:11	1
Acetone	ND		10	3.0	ug/L			06/05/24 23:11	1
Benzene	ND		1.0	0.41	ug/L			06/05/24 23:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/05/24 23:11	1
Bromoform	ND		1.0	0.26	ug/L			06/05/24 23:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/05/24 23:11	1
<b>Carbon disulfide</b>	<b>0.58 J</b>		1.0	0.19	ug/L			06/05/24 23:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/05/24 23:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/05/24 23:11	1
Chloroform	ND		1.0	0.34	ug/L			06/05/24 23:11	1
Chloromethane	ND		1.0	0.35	ug/L			06/05/24 23:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/05/24 23:11	1
cis-1,3-Dichloropropene	ND	*+	1.0	0.36	ug/L			06/05/24 23:11	1
Cyclohexane	ND		1.0	0.18	ug/L			06/05/24 23:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/05/24 23:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/05/24 23:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/05/24 23:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/05/24 23:11	1
Methyl acetate	ND		2.5	1.3	ug/L			06/05/24 23:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/05/24 23:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/05/24 23:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/05/24 23:11	1
Styrene	ND		1.0	0.73	ug/L			06/05/24 23:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/05/24 23:11	1
Toluene	ND		1.0	0.51	ug/L			06/05/24 23:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/05/24 23:11	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			06/05/24 23:11	1
Trichloroethene	ND		1.0	0.46	ug/L			06/05/24 23:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/05/24 23:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/05/24 23:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/05/24 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		06/05/24 23:11	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-220464-4**

Date Collected: 06/04/24 12:00

Matrix: Water

Date Received: 06/04/24 16:00

**Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		73 - 120		06/05/24 23:11	1
Toluene-d8 (Surr)	99		80 - 120		06/05/24 23:11	1
Dibromofluoromethane (Surr)	90		75 - 123		06/05/24 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	180		4.0	3.0	ug/L			06/07/24 03:47	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		06/07/24 03:47	4
4-Bromofluorobenzene (Surr)	105		73 - 120		06/07/24 03:47	4
Toluene-d8 (Surr)	101		80 - 120		06/07/24 03:47	4
Dibromofluoromethane (Surr)	97		75 - 123		06/07/24 03:47	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		06/11/24 09:14	06/12/24 19:09	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		06/11/24 09:14	06/12/24 19:09	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		06/11/24 09:14	06/12/24 19:09	1
<b>2-Chlorophenol</b>	<b>2.0</b>	<b>J</b>	5.4	0.58	ug/L		06/11/24 09:14	06/12/24 19:09	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		06/11/24 09:14	06/12/24 19:09	1
2-Methylphenol	ND		5.4	0.43	ug/L		06/11/24 09:14	06/12/24 19:09	1
2-Nitroaniline	ND		11	0.46	ug/L		06/11/24 09:14	06/12/24 19:09	1
2-Nitrophenol	ND		5.4	0.52	ug/L		06/11/24 09:14	06/12/24 19:09	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		06/11/24 09:14	06/12/24 19:09	1
3-Nitroaniline	ND		11	0.52	ug/L		06/11/24 09:14	06/12/24 19:09	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Chloroaniline	ND		5.4	0.64	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Methylphenol	ND		11	0.39	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Nitroaniline	ND		11	0.27	ug/L		06/11/24 09:14	06/12/24 19:09	1
4-Nitrophenol	ND		11	1.7	ug/L		06/11/24 09:14	06/12/24 19:09	1
Acenaphthene	ND		5.4	0.45	ug/L		06/11/24 09:14	06/12/24 19:09	1
Acenaphthylene	ND		5.4	0.41	ug/L		06/11/24 09:14	06/12/24 19:09	1
Acetophenone	ND		5.4	0.59	ug/L		06/11/24 09:14	06/12/24 19:09	1
<b>Aniline</b>	<b>1.3</b>	<b>J</b>	11	0.66	ug/L		06/11/24 09:14	06/12/24 19:09	1
Anthracene	ND		5.4	0.30	ug/L		06/11/24 09:14	06/12/24 19:09	1
Atrazine	ND		5.4	0.50	ug/L		06/11/24 09:14	06/12/24 19:09	1
Benzaldehyde	ND		5.4	0.29	ug/L		06/11/24 09:14	06/12/24 19:09	1
Benzo(a)anthracene	ND		5.4	0.39	ug/L		06/11/24 09:14	06/12/24 19:09	1
Benzo(a)pyrene	ND		5.4	0.51	ug/L		06/11/24 09:14	06/12/24 19:09	1
Benzo(b)fluoranthene	ND		5.4	0.37	ug/L		06/11/24 09:14	06/12/24 19:09	1
Benzo(g,h,i)perylene	ND		5.4	0.38	ug/L		06/11/24 09:14	06/12/24 19:09	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-220464-4**

Date Collected: 06/04/24 12:00

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	ND		5.4	0.79	ug/L		06/11/24 09:14	06/12/24 19:09	1
Biphenyl	ND		5.4	0.71	ug/L		06/11/24 09:14	06/12/24 19:09	1
bis (2-chloroisopropyl) ether	ND		5.4	0.57	ug/L		06/11/24 09:14	06/12/24 19:09	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		06/11/24 09:14	06/12/24 19:09	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		06/11/24 09:14	06/12/24 19:09	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		06/11/24 09:14	06/12/24 19:09	1
Butyl benzyl phthalate	ND		5.4	1.1	ug/L		06/11/24 09:14	06/12/24 19:09	1
Caprolactam	ND		5.4	2.4	ug/L		06/11/24 09:14	06/12/24 19:09	1
Carbazole	ND		5.4	0.33	ug/L		06/11/24 09:14	06/12/24 19:09	1
Chrysene	ND		5.4	0.36	ug/L		06/11/24 09:14	06/12/24 19:09	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		06/11/24 09:14	06/12/24 19:09	1
Dibenzofuran	ND		11	0.55	ug/L		06/11/24 09:14	06/12/24 19:09	1
Diethyl phthalate	ND		5.4	0.24	ug/L		06/11/24 09:14	06/12/24 19:09	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		06/11/24 09:14	06/12/24 19:09	1
Di-n-butyl phthalate	ND		5.4	0.34	ug/L		06/11/24 09:14	06/12/24 19:09	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		06/11/24 09:14	06/12/24 19:09	1
Fluoranthene	ND		5.4	0.43	ug/L		06/11/24 09:14	06/12/24 19:09	1
Fluorene	ND		5.4	0.39	ug/L		06/11/24 09:14	06/12/24 19:09	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		06/11/24 09:14	06/12/24 19:09	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		06/11/24 09:14	06/12/24 19:09	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		06/11/24 09:14	06/12/24 19:09	1
Hexachloroethane	ND		5.4	0.64	ug/L		06/11/24 09:14	06/12/24 19:09	1
Indeno(1,2,3-cd)pyrene	ND		5.4	0.51	ug/L		06/11/24 09:14	06/12/24 19:09	1
Isophorone	ND		5.4	0.47	ug/L		06/11/24 09:14	06/12/24 19:09	1
Naphthalene	ND		5.4	0.83	ug/L		06/11/24 09:14	06/12/24 19:09	1
Nitrobenzene	ND		5.4	0.32	ug/L		06/11/24 09:14	06/12/24 19:09	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		06/11/24 09:14	06/12/24 19:09	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		06/11/24 09:14	06/12/24 19:09	1
Pentachlorophenol	ND		11	2.4	ug/L		06/11/24 09:14	06/12/24 19:09	1
Phenanthrene	ND		5.4	0.48	ug/L		06/11/24 09:14	06/12/24 19:09	1
Phenol	ND		5.4	0.42	ug/L		06/11/24 09:14	06/12/24 19:09	1
Pyrene	ND		5.4	0.37	ug/L		06/11/24 09:14	06/12/24 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	115		25 - 144	06/11/24 09:14	06/12/24 19:09	1
2-Fluorobiphenyl	88		53 - 126	06/11/24 09:14	06/12/24 19:09	1
2-Fluorophenol	59		24 - 120	06/11/24 09:14	06/12/24 19:09	1
Nitrobenzene-d5	80		29 - 129	06/11/24 09:14	06/12/24 19:09	1
Phenol-d5	48		10 - 120	06/11/24 09:14	06/12/24 19:09	1
p-Terphenyl-d14	63		33 - 132	06/11/24 09:14	06/12/24 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.39		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:14	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:14	1
Arsenic	0.0088	J	0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:14	1
Barium	0.11		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:14	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:14	1
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:14	1
Calcium	187		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:14	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-220464-4**

Date Collected: 06/04/24 12:00

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:14	1
Cobalt	ND		0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Copper</b>	<b>0.0017</b>	<b>J</b>	0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Iron</b>	<b>6.2</b>		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:14	1
Lead	ND		0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Magnesium</b>	<b>29.1</b>		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Manganese</b>	<b>0.11</b>		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Nickel</b>	<b>0.0017</b>	<b>J</b>	0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Potassium</b>	<b>6.1</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:14	1
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:14	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Sodium</b>	<b>56.3</b>		1.0	0.32	mg/L		06/06/24 09:16	06/06/24 17:14	1
Thallium	ND		0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Vanadium</b>	<b>0.0021</b>	<b>J</b>	0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:14	1
<b>Zinc</b>	<b>0.0024</b>	<b>J</b>	0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:14	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000047</b>	<b>J</b>	0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:56	1

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-220464-5**

Date Collected: 06/04/24 09:10

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/06/24 02:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/06/24 02:02	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			06/06/24 02:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/06/24 02:02	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/06/24 02:02	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/06/24 02:02	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/06/24 02:02	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/06/24 02:02	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/06/24 02:02	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/06/24 02:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/06/24 02:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/06/24 02:02	4
<b>1,3-Dichlorobenzene</b>	<b>12</b>		4.0	3.1	ug/L			06/06/24 02:02	4
<b>1,4-Dichlorobenzene</b>	<b>23</b>		4.0	3.4	ug/L			06/06/24 02:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/06/24 02:02	4
2-Hexanone	ND		20	5.0	ug/L			06/06/24 02:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/06/24 02:02	4
Acetone	ND		40	12	ug/L			06/06/24 02:02	4
Benzene	ND		4.0	1.6	ug/L			06/06/24 02:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/06/24 02:02	4
Bromoform	ND		4.0	1.0	ug/L			06/06/24 02:02	4
Bromomethane	ND		4.0	2.8	ug/L			06/06/24 02:02	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/06/24 02:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/06/24 02:02	4
<b>Chlorobenzene</b>	<b>210</b>	<b>F1</b>	4.0	3.0	ug/L			06/06/24 02:02	4
Chloroethane	ND	*+	4.0	1.3	ug/L			06/06/24 02:02	4
Chloroform	ND		4.0	1.4	ug/L			06/06/24 02:02	4
Chloromethane	ND		4.0	1.4	ug/L			06/06/24 02:02	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			06/06/24 02:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/06/24 02:02	4
Cyclohexane	ND		4.0	0.72	ug/L			06/06/24 02:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/06/24 02:02	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/06/24 02:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/06/24 02:02	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/06/24 02:02	4
Methyl acetate	ND		10	5.2	ug/L			06/06/24 02:02	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			06/06/24 02:02	4
Methylcyclohexane	ND		4.0	0.64	ug/L			06/06/24 02:02	4
<b>Methylene Chloride</b>	<b>2.1</b>	<b>J</b>	4.0	1.8	ug/L			06/06/24 02:02	4
Styrene	ND		4.0	2.9	ug/L			06/06/24 02:02	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/06/24 02:02	4
Toluene	ND		4.0	2.0	ug/L			06/06/24 02:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/06/24 02:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/06/24 02:02	4
Trichloroethene	ND		4.0	1.8	ug/L			06/06/24 02:02	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			06/06/24 02:02	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/06/24 02:02	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/06/24 02:02	4

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-220464-5**

**Date Collected: 06/04/24 09:10**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		06/06/24 02:02	4
4-Bromofluorobenzene (Surr)	104		73 - 120		06/06/24 02:02	4
Toluene-d8 (Surr)	98		80 - 120		06/06/24 02:02	4
Dibromofluoromethane (Surr)	96		75 - 123		06/06/24 02:02	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 17:19	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/11/24 09:14	06/12/24 17:19	1
<b>2,4-Dichlorophenol</b>	<b>0.95</b>	<b>J</b>	5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/11/24 09:14	06/12/24 17:19	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:19	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:19	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:19	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 17:19	1
<b>2-Chlorophenol</b>	<b>0.65</b>	<b>J</b>	5.0	0.53	ug/L		06/11/24 09:14	06/12/24 17:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/11/24 09:14	06/12/24 17:19	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:19	1
2-Nitroaniline	ND		10	0.42	ug/L		06/11/24 09:14	06/12/24 17:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 17:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:19	1
3-Nitroaniline	ND		10	0.48	ug/L		06/11/24 09:14	06/12/24 17:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Methylphenol	ND		10	0.36	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Nitroaniline	ND		10	0.25	ug/L		06/11/24 09:14	06/12/24 17:19	1
4-Nitrophenol	ND		10	1.5	ug/L		06/11/24 09:14	06/12/24 17:19	1
Acenaphthene	ND		5.0	0.41	ug/L		06/11/24 09:14	06/12/24 17:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/11/24 09:14	06/12/24 17:19	1
Acetophenone	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 17:19	1
<b>Aniline</b>	<b>1.6</b>	<b>J</b>	10	0.61	ug/L		06/11/24 09:14	06/12/24 17:19	1
Anthracene	ND		5.0	0.28	ug/L		06/11/24 09:14	06/12/24 17:19	1
Atrazine	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:19	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/11/24 09:14	06/12/24 17:19	1
Biphenyl	ND		5.0	0.65	ug/L		06/11/24 09:14	06/12/24 17:19	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/11/24 09:14	06/12/24 17:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 17:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/11/24 09:14	06/12/24 17:19	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/11/24 09:14	06/12/24 17:19	1
<b>Caprolactam</b>	<b>2.9</b>	<b>J</b>	5.0	2.2	ug/L		06/11/24 09:14	06/12/24 17:19	1
Carbazole	ND		5.0	0.30	ug/L		06/11/24 09:14	06/12/24 17:19	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-220464-5**

Date Collected: 06/04/24 09:10

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		06/11/24 09:14	06/12/24 17:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/11/24 09:14	06/12/24 17:19	1
Dibenzofuran	ND		10	0.51	ug/L		06/11/24 09:14	06/12/24 17:19	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/11/24 09:14	06/12/24 17:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/11/24 09:14	06/12/24 17:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:19	1
Fluoranthene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 17:19	1
Fluorene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 17:19	1
Hexachlorobenzene	ND	F2	5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/11/24 09:14	06/12/24 17:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 17:19	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 17:19	1
Isophorone	ND		5.0	0.43	ug/L		06/11/24 09:14	06/12/24 17:19	1
Naphthalene	ND		5.0	0.76	ug/L		06/11/24 09:14	06/12/24 17:19	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/11/24 09:14	06/12/24 17:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 17:19	1
<b>N-Nitrosodiphenylamine</b>	<b>0.82</b>	<b>J</b>	5.0	0.51	ug/L		06/11/24 09:14	06/12/24 17:19	1
Pentachlorophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 17:19	1
Phenanthrene	ND		5.0	0.44	ug/L		06/11/24 09:14	06/12/24 17:19	1
Phenol	ND		5.0	0.39	ug/L		06/11/24 09:14	06/12/24 17:19	1
Pyrene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	110		25 - 144	06/11/24 09:14	06/12/24 17:19	1
2-Fluorobiphenyl	86		53 - 126	06/11/24 09:14	06/12/24 17:19	1
2-Fluorophenol	55		24 - 120	06/11/24 09:14	06/12/24 17:19	1
Nitrobenzene-d5	77		29 - 129	06/11/24 09:14	06/12/24 17:19	1
Phenol-d5	44		10 - 120	06/11/24 09:14	06/12/24 17:19	1
p-Terphenyl-d14	56		33 - 132	06/11/24 09:14	06/12/24 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:16	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:16	1
Arsenic	ND		0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Barium</b>	<b>0.50</b>		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:16	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:16	1
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Calcium</b>	<b>274</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:16	1
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Cobalt</b>	<b>0.00072</b>	<b>J</b>	0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:16	1
Copper	ND		0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Iron</b>	<b>2.6</b>		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Lead</b>	<b>0.0030</b>	<b>J</b>	0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Magnesium</b>	<b>44.8</b>		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Manganese</b>	<b>0.62</b>		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Nickel</b>	<b>0.0019</b>	<b>J</b>	0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Potassium</b>	<b>14.2</b>		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:16	1

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# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-220464-5**

Date Collected: 06/04/24 09:10

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:16	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:16	1
<b>Sodium</b>	<b>159</b>		1.0	0.32	mg/L		06/06/24 09:16	06/06/24 17:16	1
Thallium	ND		0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:16	1
Vanadium	ND		0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:16	1
Zinc	ND		0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:16	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:57	1

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-220464-6**

Date Collected: 06/04/24 00:00

Matrix: Water

Date Received: 06/04/24 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/05/24 23:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/05/24 23:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/05/24 23:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/05/24 23:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/05/24 23:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/05/24 23:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/05/24 23:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/05/24 23:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/05/24 23:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/05/24 23:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/05/24 23:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/05/24 23:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/05/24 23:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/05/24 23:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/05/24 23:34	1
2-Hexanone	ND		5.0	1.2	ug/L			06/05/24 23:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/05/24 23:34	1
Acetone	ND		10	3.0	ug/L			06/05/24 23:34	1
Benzene	ND		1.0	0.41	ug/L			06/05/24 23:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/05/24 23:34	1
Bromoform	ND		1.0	0.26	ug/L			06/05/24 23:34	1
Bromomethane	ND		1.0	0.69	ug/L			06/05/24 23:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/05/24 23:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/05/24 23:34	1
<b>Chlorobenzene</b>	<b>1.3</b>		1.0	0.75	ug/L			06/05/24 23:34	1
Chloroethane	ND		1.0	0.32	ug/L			06/05/24 23:34	1
Chloroform	ND		1.0	0.34	ug/L			06/05/24 23:34	1
Chloromethane	ND		1.0	0.35	ug/L			06/05/24 23:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/05/24 23:34	1
cis-1,3-Dichloropropene	ND	*+	1.0	0.36	ug/L			06/05/24 23:34	1
Cyclohexane	ND		1.0	0.18	ug/L			06/05/24 23:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/05/24 23:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/05/24 23:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/05/24 23:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/05/24 23:34	1
Methyl acetate	ND		2.5	1.3	ug/L			06/05/24 23:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/05/24 23:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/05/24 23:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/05/24 23:34	1
Styrene	ND		1.0	0.73	ug/L			06/05/24 23:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/05/24 23:34	1
Toluene	ND		1.0	0.51	ug/L			06/05/24 23:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/05/24 23:34	1
trans-1,3-Dichloropropene	ND	*+	1.0	0.37	ug/L			06/05/24 23:34	1
Trichloroethene	ND		1.0	0.46	ug/L			06/05/24 23:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/05/24 23:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/05/24 23:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/05/24 23:34	1

# Client Sample Results

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

Job ID: 480-220464-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-220464-6**

**Date Collected: 06/04/24 00:00**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/05/24 23:34	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/05/24 23:34	1
Toluene-d8 (Surr)	100		80 - 120		06/05/24 23:34	1
Dibromofluoromethane (Surr)	89		75 - 123		06/05/24 23:34	1

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# Surrogate Summary

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

Job ID: 480-220464-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-220464-1	BCC Area C RFI-31A	111	119	111	108
480-220464-1 - DL	BCC Area C RFI-31A	105	104	99	97
480-220464-2	BCC Area C MW-C04 D	108	112	107	100
480-220464-3	BCC Area C RFI-20A	99	104	99	91
480-220464-4	BCC Area C PS-05A	98	105	99	90
480-220464-4 - DL	BCC Area C PS-05A	105	105	101	97
480-220464-5	BCC Area C MW-C04	104	104	98	96
480-220464-5 MS	BCC Area C MW-C04 MS	104	101	101	104
480-220464-5 MSD	BCC Area C MW-C04 MSD	102	102	100	105
480-220464-6	TRIP BLANK	99	106	100	89
LCS 480-714555/6	Lab Control Sample	109	117	110	102
LCS 480-714557/6	Lab Control Sample	104	103	102	104
LCS 480-714732/6	Lab Control Sample	105	102	101	104
LCSD 480-714732/45	Lab Control Sample Dup	104	105	102	103
MB 480-714555/8	Method Blank	108	112	110	99
MB 480-714557/8	Method Blank	101	106	97	97
MB 480-714732/8	Method Blank	103	104	99	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: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (25-144)	FBP (53-126)	2FP (24-120)	NBZ (29-129)	PHL (10-120)	TPHd14 (33-132)
480-220464-1	BCC Area C RFI-31A	122	65	58	80	45	64
480-220464-2	BCC Area C MW-C04 D	88	73	50	66	40	46
480-220464-3	BCC Area C RFI-20A	120	93	61	82	49	78
480-220464-4	BCC Area C PS-05A	115	88	59	80	48	63
480-220464-5	BCC Area C MW-C04	110	86	55	77	44	56
480-220464-5 MS	BCC Area C MW-C04 MS	112	88	64	84	54	51
480-220464-5 MSD	BCC Area C MW-C04 MSD	101	89	60	82	51	52
LCS 480-715151/2-A	Lab Control Sample	103	85	61	84	51	85
MB 480-715151/1-A	Method Blank	99	86	57	78	46	94

### Surrogate Legend

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

# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-714555/8**  
**Matrix: Water**  
**Analysis Batch: 714555**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/05/24 21:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/05/24 21:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/05/24 21:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/05/24 21:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/05/24 21:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/05/24 21:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/05/24 21:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/05/24 21:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/05/24 21:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/05/24 21:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/05/24 21:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/05/24 21:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/05/24 21:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/05/24 21:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/05/24 21:38	1
2-Hexanone	ND		5.0	1.2	ug/L			06/05/24 21:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/05/24 21:38	1
Acetone	ND		10	3.0	ug/L			06/05/24 21:38	1
Benzene	ND		1.0	0.41	ug/L			06/05/24 21:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/05/24 21:38	1
Bromoform	ND		1.0	0.26	ug/L			06/05/24 21:38	1
Bromomethane	ND		1.0	0.69	ug/L			06/05/24 21:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/05/24 21:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/05/24 21:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/05/24 21:38	1
Chloroethane	ND		1.0	0.32	ug/L			06/05/24 21:38	1
Chloroform	ND		1.0	0.34	ug/L			06/05/24 21:38	1
Chloromethane	ND		1.0	0.35	ug/L			06/05/24 21:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/05/24 21:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/05/24 21:38	1
Cyclohexane	ND		1.0	0.18	ug/L			06/05/24 21:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/05/24 21:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/05/24 21:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/05/24 21:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/05/24 21:38	1
Methyl acetate	ND		2.5	1.3	ug/L			06/05/24 21:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/05/24 21:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/05/24 21:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/05/24 21:38	1
Styrene	ND		1.0	0.73	ug/L			06/05/24 21:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/05/24 21:38	1
Toluene	ND		1.0	0.51	ug/L			06/05/24 21:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/05/24 21:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/05/24 21:38	1
Trichloroethene	ND		1.0	0.46	ug/L			06/05/24 21:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/05/24 21:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/05/24 21:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/05/24 21:38	1

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-714555/8**  
**Matrix: Water**  
**Analysis Batch: 714555**

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		06/05/24 21:38	1
4-Bromofluorobenzene (Surr)	112		73 - 120		06/05/24 21:38	1
Toluene-d8 (Surr)	110		80 - 120		06/05/24 21:38	1
Dibromofluoromethane (Surr)	99		75 - 123		06/05/24 21:38	1

**Lab Sample ID: LCS 480-714555/6**  
**Matrix: Water**  
**Analysis Batch: 714555**

**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	25.9		ug/L		103	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.1		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1,2-Trichloroethane	25.0	27.3		ug/L		109	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	24.7		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	20.1		ug/L		81	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dibromoethane	25.0	30.1		ug/L		120	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	27.8		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	26.9		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 120
2-Butanone (MEK)	125	152		ug/L		122	57 - 140
2-Hexanone	125	150		ug/L		120	65 - 127
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	108		ug/L		87	56 - 142
Benzene	25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	24.8		ug/L		99	61 - 132
Bromomethane	25.0	25.6		ug/L		103	55 - 144
Carbon disulfide	25.0	22.6		ug/L		90	59 - 134
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134
Chlorobenzene	25.0	28.4		ug/L		113	80 - 120
Chloroethane	25.0	22.4		ug/L		90	69 - 136
Chloroform	25.0	22.3		ug/L		89	73 - 127
Chloromethane	25.0	19.8		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	22.2		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	31.4	*+	ug/L		126	74 - 124
Cyclohexane	25.0	22.0		ug/L		88	59 - 135
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	18.4		ug/L		74	59 - 135
Ethylbenzene	25.0	27.7		ug/L		111	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		102	77 - 122
Methyl acetate	50.0	49.2		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	22.7		ug/L		91	77 - 120
Methylcyclohexane	25.0	22.5		ug/L		90	68 - 134

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCS 480-714555/6**

**Matrix: Water**

**Analysis Batch: 714555**

**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	25.0		ug/L		100	75 - 124
Styrene	25.0	27.4		ug/L		110	80 - 120
Tetrachloroethene	25.0	27.8		ug/L		111	74 - 122
Toluene	25.0	26.5		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	30.2	*+	ug/L		121	80 - 120
Trichloroethene	25.0	26.8		ug/L		107	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133
Xylenes, Total	50.0	52.6		ug/L		105	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	117		73 - 120
Toluene-d8 (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

**Lab Sample ID: MB 480-714557/8**

**Matrix: Water**

**Analysis Batch: 714557**

**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			06/06/24 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/24 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/24 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/24 01:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/24 01:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/24 01:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/24 01:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/24 01:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/24 01:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/24 01:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/24 01:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/24 01:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/24 01:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/24 01:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/24 01:11	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/24 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/24 01:11	1
Acetone	ND		10	3.0	ug/L			06/06/24 01:11	1
Benzene	ND		1.0	0.41	ug/L			06/06/24 01:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/24 01:11	1
Bromoform	ND		1.0	0.26	ug/L			06/06/24 01:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/24 01:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/24 01:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/24 01:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/24 01:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/24 01:11	1

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-714557/8**  
**Matrix: Water**  
**Analysis Batch: 714557**

**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			06/06/24 01:11	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/24 01:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/06/24 01:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/24 01:11	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/24 01:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/24 01:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/24 01:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/24 01:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/24 01:11	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/24 01:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/24 01:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/24 01:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/24 01:11	1
Styrene	ND		1.0	0.73	ug/L			06/06/24 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/06/24 01:11	1
Toluene	ND		1.0	0.51	ug/L			06/06/24 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/24 01:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/24 01:11	1
Trichloroethene	ND		1.0	0.46	ug/L			06/06/24 01:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/24 01:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/24 01:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/24 01:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/06/24 01:11	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/06/24 01:11	1
Toluene-d8 (Surr)	97		80 - 120		06/06/24 01:11	1
Dibromofluoromethane (Surr)	97		75 - 123		06/06/24 01:11	1

**Lab Sample ID: LCS 480-714557/6**  
**Matrix: Water**  
**Analysis Batch: 714557**

**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	27.9		ug/L		111	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	28.0		ug/L		112	77 - 120
1,1-Dichloroethene	25.0	28.3		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		94	56 - 134
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	26.1		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCS 480-714557/6**  
**Matrix: Water**  
**Analysis Batch: 714557**

**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	121		ug/L		96	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	27.9		ug/L		112	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	22.9		ug/L		92	61 - 132
Bromomethane	25.0	31.9		ug/L		128	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	26.2		ug/L		105	80 - 120
Chloroethane	25.0	34.5	*+	ug/L		138	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	28.6		ug/L		114	68 - 124
cis-1,2-Dichloroethene	25.0	28.0		ug/L		112	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	27.7		ug/L		111	59 - 135
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	28.0		ug/L		112	59 - 135
Ethylbenzene	25.0	26.8		ug/L		107	77 - 123
Isopropylbenzene	25.0	28.0		ug/L		112	77 - 122
Methyl acetate	50.0	50.4		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		103	77 - 120
Methylcyclohexane	25.0	28.2		ug/L		113	68 - 134
Methylene Chloride	25.0	28.2		ug/L		113	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	28.0		ug/L		112	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	28.7		ug/L		115	74 - 123
Trichlorofluoromethane	25.0	35.7		ug/L		143	62 - 150
Vinyl chloride	25.0	31.1		ug/L		124	65 - 133
Xylenes, Total	50.0	53.9		ug/L		108	76 - 122

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

**Lab Sample ID: 480-220464-5 MS**  
**Matrix: Water**  
**Analysis Batch: 714557**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		100	111		ug/L		111	73 - 126
1,1,1,2-Tetrachloroethane	ND		100	102		ug/L		102	76 - 120

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: 480-220464-5 MS**

**Client Sample ID: BCC Area C MW-C04 MS**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 714557**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	102		ug/L		102	61 - 148
1,1,2-Trichloroethane	ND		100	97.7		ug/L		98	76 - 122
1,1-Dichloroethane	ND		100	111		ug/L		111	77 - 120
1,1-Dichloroethene	ND		100	111		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	ND		100	100		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	95.0		ug/L		95	56 - 134
1,2-Dibromoethane	ND		100	100		ug/L		100	77 - 120
1,2-Dichlorobenzene	ND		100	102		ug/L		102	80 - 124
1,2-Dichloroethane	ND		100	102		ug/L		102	75 - 120
1,2-Dichloropropane	ND		100	106		ug/L		106	76 - 120
1,3-Dichlorobenzene	12		100	114		ug/L		102	77 - 120
1,4-Dichlorobenzene	23		100	121		ug/L		99	78 - 124
2-Butanone (MEK)	ND		500	456		ug/L		91	57 - 140
2-Hexanone	ND		500	462		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	466		ug/L		93	71 - 125
Acetone	ND		500	451		ug/L		90	56 - 142
Benzene	ND		100	108		ug/L		108	71 - 124
Bromodichloromethane	ND		100	99.2		ug/L		99	80 - 122
Bromoform	ND		100	76.3		ug/L		76	61 - 132
Bromomethane	ND		100	122		ug/L		122	55 - 144
Carbon disulfide	ND		100	92.1		ug/L		92	59 - 134
Carbon tetrachloride	ND		100	104		ug/L		104	72 - 134
Chlorobenzene	210	F1	100	287	F1	ug/L		79	80 - 120
Chloroethane	ND	*+	100	130		ug/L		130	69 - 136
Chloroform	ND		100	101		ug/L		101	73 - 127
Chloromethane	ND		100	117		ug/L		117	68 - 124
cis-1,2-Dichloroethene	ND		100	109		ug/L		109	74 - 124
cis-1,3-Dichloropropene	ND		100	97.5		ug/L		98	74 - 124
Cyclohexane	ND		100	108		ug/L		108	59 - 135
Dibromochloromethane	ND		100	91.0		ug/L		91	75 - 125
Dichlorodifluoromethane	ND		100	105		ug/L		105	59 - 135
Ethylbenzene	ND		100	103		ug/L		103	77 - 123
Isopropylbenzene	ND		100	110		ug/L		110	77 - 122
Methyl acetate	ND		200	197		ug/L		98	74 - 133
Methyl tert-butyl ether	ND		100	102		ug/L		102	77 - 120
Methylcyclohexane	ND		100	107		ug/L		107	68 - 134
Methylene Chloride	2.1	J	100	112		ug/L		110	75 - 124
Styrene	ND		100	102		ug/L		102	80 - 120
Tetrachloroethene	ND		100	109		ug/L		109	74 - 122
Toluene	ND		100	102		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		100	111		ug/L		111	73 - 127
trans-1,3-Dichloropropene	ND		100	93.3		ug/L		93	80 - 120
Trichloroethene	ND		100	110		ug/L		110	74 - 123
Trichlorofluoromethane	ND		100	136		ug/L		136	62 - 150
Vinyl chloride	ND		100	122		ug/L		122	65 - 133
Xylenes, Total	ND		200	207		ug/L		104	76 - 122

# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: 480-220464-5 MS**  
**Matrix: Water**  
**Analysis Batch: 714557**

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

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

**Lab Sample ID: 480-220464-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 714557**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	110		ug/L		110	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		100	99.3		ug/L		99	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	103		ug/L		103	61 - 148	1	20
1,1,2-Trichloroethane	ND		100	97.2		ug/L		97	76 - 122	1	15
1,1-Dichloroethane	ND		100	109		ug/L		109	77 - 120	2	20
1,1-Dichloroethene	ND		100	110		ug/L		110	66 - 127	0	16
1,2,4-Trichlorobenzene	ND		100	98.5		ug/L		98	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		100	91.2		ug/L		91	56 - 134	4	15
1,2-Dibromoethane	ND		100	99.4		ug/L		99	77 - 120	1	15
1,2-Dichlorobenzene	ND		100	101		ug/L		101	80 - 124	1	20
1,2-Dichloroethane	ND		100	99.6		ug/L		100	75 - 120	3	20
1,2-Dichloropropane	ND		100	106		ug/L		106	76 - 120	0	20
1,3-Dichlorobenzene	12		100	113		ug/L		101	77 - 120	1	20
1,4-Dichlorobenzene	23		100	121		ug/L		98	78 - 124	0	20
2-Butanone (MEK)	ND		500	445		ug/L		89	57 - 140	2	20
2-Hexanone	ND		500	456		ug/L		91	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		500	461		ug/L		92	71 - 125	1	35
Acetone	ND		500	435		ug/L		87	56 - 142	4	15
Benzene	ND		100	108		ug/L		108	71 - 124	0	13
Bromodichloromethane	ND		100	98.3		ug/L		98	80 - 122	1	15
Bromoform	ND		100	78.5		ug/L		78	61 - 132	3	15
Bromomethane	ND		100	118		ug/L		118	55 - 144	3	15
Carbon disulfide	ND		100	94.2		ug/L		94	59 - 134	2	15
Carbon tetrachloride	ND		100	107		ug/L		107	72 - 134	3	15
Chlorobenzene	210	F1	100	288		ug/L		80	80 - 120	0	25
Chloroethane	ND	*+	100	125		ug/L		125	69 - 136	4	15
Chloroform	ND		100	99.7		ug/L		100	73 - 127	2	20
Chloromethane	ND		100	112		ug/L		112	68 - 124	4	15
cis-1,2-Dichloroethene	ND		100	109		ug/L		109	74 - 124	0	15
cis-1,3-Dichloropropene	ND		100	97.1		ug/L		97	74 - 124	0	15
Cyclohexane	ND		100	108		ug/L		108	59 - 135	0	20
Dibromochloromethane	ND		100	89.4		ug/L		89	75 - 125	2	15
Dichlorodifluoromethane	ND		100	106		ug/L		106	59 - 135	1	20
Ethylbenzene	ND		100	104		ug/L		104	77 - 123	0	15
Isopropylbenzene	ND		100	109		ug/L		109	77 - 122	1	20
Methyl acetate	ND		200	193		ug/L		96	74 - 133	2	20
Methyl tert-butyl ether	ND		100	101		ug/L		101	77 - 120	1	37
Methylcyclohexane	ND		100	107		ug/L		107	68 - 134	0	20

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: 480-220464-5 MSD**

**Client Sample ID: BCC Area C MW-C04 MSD**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 714557**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methylene Chloride	2.1	J	100	111		ug/L		109	75 - 124	1	15
Styrene	ND		100	102		ug/L		102	80 - 120	0	20
Tetrachloroethene	ND		100	113		ug/L		113	74 - 122	3	20
Toluene	ND		100	103		ug/L		103	80 - 122	1	15
trans-1,2-Dichloroethene	ND		100	108		ug/L		108	73 - 127	3	20
trans-1,3-Dichloropropene	ND		100	93.8		ug/L		94	80 - 120	1	15
Trichloroethene	ND		100	110		ug/L		110	74 - 123	1	16
Trichlorofluoromethane	ND		100	131		ug/L		131	62 - 150	4	20
Vinyl chloride	ND		100	123		ug/L		123	65 - 133	1	15
Xylenes, Total	ND		200	206		ug/L		103	76 - 122	0	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

**Lab Sample ID: MB 480-714732/8**

**Client Sample ID: Method Blank**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 714732**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L		06/07/24 01:40	06/07/24 01:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L		06/07/24 01:40	06/07/24 01:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L		06/07/24 01:40	06/07/24 01:40	1
2-Hexanone	ND		5.0	1.2	ug/L		06/07/24 01:40	06/07/24 01:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		06/07/24 01:40	06/07/24 01:40	1
Acetone	ND		10	3.0	ug/L		06/07/24 01:40	06/07/24 01:40	1
Benzene	ND		1.0	0.41	ug/L		06/07/24 01:40	06/07/24 01:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L		06/07/24 01:40	06/07/24 01:40	1
Bromoform	ND		1.0	0.26	ug/L		06/07/24 01:40	06/07/24 01:40	1
Bromomethane	ND		1.0	0.69	ug/L		06/07/24 01:40	06/07/24 01:40	1
Carbon disulfide	ND		1.0	0.19	ug/L		06/07/24 01:40	06/07/24 01:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L		06/07/24 01:40	06/07/24 01:40	1
Chlorobenzene	ND		1.0	0.75	ug/L		06/07/24 01:40	06/07/24 01:40	1
Chloroethane	ND		1.0	0.32	ug/L		06/07/24 01:40	06/07/24 01:40	1

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-714732/8**  
**Matrix: Water**  
**Analysis Batch: 714732**

**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			06/07/24 01:40	1
Chloromethane	ND		1.0	0.35	ug/L			06/07/24 01:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/07/24 01:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/07/24 01:40	1
Cyclohexane	ND		1.0	0.18	ug/L			06/07/24 01:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/07/24 01:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/07/24 01:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/07/24 01:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/07/24 01:40	1
Methyl acetate	ND		2.5	1.3	ug/L			06/07/24 01:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/07/24 01:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/07/24 01:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/07/24 01:40	1
Styrene	ND		1.0	0.73	ug/L			06/07/24 01:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/07/24 01:40	1
Toluene	ND		1.0	0.51	ug/L			06/07/24 01:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/07/24 01:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/07/24 01:40	1
Trichloroethene	ND		1.0	0.46	ug/L			06/07/24 01:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/07/24 01:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/07/24 01:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/07/24 01:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/07/24 01:40	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/07/24 01:40	1
Toluene-d8 (Surr)	99		80 - 120		06/07/24 01:40	1
Dibromofluoromethane (Surr)	99		75 - 123		06/07/24 01:40	1

**Lab Sample ID: LCS 480-714732/6**  
**Matrix: Water**  
**Analysis Batch: 714732**

**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	27.7		ug/L		111	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	26.1		ug/L		104	61 - 148
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	27.8		ug/L		111	77 - 120
1,1-Dichloroethene	25.0	28.1		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.5		ug/L		90	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.8		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCS 480-714732/6**  
**Matrix: Water**  
**Analysis Batch: 714732**

**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	120		ug/L		96	57 - 140
2-Hexanone	125	117		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	27.6		ug/L		110	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	21.3		ug/L		85	61 - 132
Bromomethane	25.0	33.3		ug/L		133	55 - 144
Carbon disulfide	25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Chloroethane	25.0	36.8	*+	ug/L		147	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	29.6		ug/L		118	68 - 124
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	26.6		ug/L		106	59 - 135
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Dichlorodifluoromethane	25.0	26.3		ug/L		105	59 - 135
Ethylbenzene	25.0	26.0		ug/L		104	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		105	77 - 122
Methyl acetate	50.0	50.0		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	26.4		ug/L		106	68 - 134
Methylene Chloride	25.0	27.8		ug/L		111	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	27.6		ug/L		110	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	27.9		ug/L		112	73 - 127
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120
Trichloroethene	25.0	28.5		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	35.1		ug/L		140	62 - 150
Vinyl chloride	25.0	32.1		ug/L		128	65 - 133
Xylenes, Total	50.0	52.1		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

**Lab Sample ID: LCSD 480-714732/45**  
**Matrix: Water**  
**Analysis Batch: 714732**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126	2	15
1,1,1,2-Tetrachloroethane	25.0	26.1		ug/L		104	76 - 120	8	15

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCSD 480-714732/45**  
**Matrix: Water**  
**Analysis Batch: 714732**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3		ug/L		105	61 - 148	1	20
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122	4	15
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120	1	20
1,1-Dichloroethene	25.0	27.0		ug/L		108	66 - 127	4	16
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	25.0	23.0		ug/L		92	56 - 134	2	15
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120	2	15
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124	6	20
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120	0	20
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120	1	20
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120	6	20
1,4-Dichlorobenzene	25.0	25.9		ug/L		103	80 - 120	6	20
2-Butanone (MEK)	125	117		ug/L		94	57 - 140	2	20
2-Hexanone	125	123		ug/L		99	65 - 127	5	15
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125	4	35
Acetone	125	111		ug/L		89	56 - 142	10	15
Benzene	25.0	27.3		ug/L		109	71 - 124	1	13
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122	3	15
Bromoform	25.0	21.2		ug/L		85	61 - 132	1	15
Bromomethane	25.0	29.3		ug/L		117	55 - 144	13	15
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134	10	15
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134	2	15
Chlorobenzene	25.0	26.1		ug/L		104	80 - 120	2	25
Chloroethane	25.0	34.2	*+	ug/L		137	69 - 136	7	15
Chloroform	25.0	25.3		ug/L		101	73 - 127	1	20
Chloromethane	25.0	27.5		ug/L		110	68 - 124	7	15
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124	0	15
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124	7	15
Cyclohexane	25.0	27.7		ug/L		111	59 - 135	4	20
Dibromochloromethane	25.0	23.8		ug/L		95	75 - 125	1	15
Dichlorodifluoromethane	25.0	26.2		ug/L		105	59 - 135	1	20
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123	1	15
Isopropylbenzene	25.0	27.9		ug/L		112	77 - 122	6	20
Methyl acetate	50.0	52.3		ug/L		105	74 - 133	5	20
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120	3	37
Methylcyclohexane	25.0	26.9		ug/L		108	68 - 134	2	20
Methylene Chloride	25.0	27.5		ug/L		110	75 - 124	1	15
Styrene	25.0	26.3		ug/L		105	80 - 120	2	20
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122	2	20
Toluene	25.0	26.0		ug/L		104	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127	3	20
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120	4	15
Trichloroethene	25.0	28.1		ug/L		112	74 - 123	2	16
Trichlorofluoromethane	25.0	32.3		ug/L		129	62 - 150	8	20
Vinyl chloride	25.0	29.9		ug/L		120	65 - 133	7	15
Xylenes, Total	50.0	53.2		ug/L		106	76 - 122	2	16

# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCSD 480-714732/45**  
**Matrix: Water**  
**Analysis Batch: 714732**

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

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

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

**Lab Sample ID: MB 480-715151/1-A**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 15:29	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Chlorophenol	ND		5.0	0.53	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Methylphenol	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Nitroaniline	ND		10	0.42	ug/L		06/11/24 09:14	06/12/24 15:29	1
2-Nitrophenol	ND		5.0	0.48	ug/L		06/11/24 09:14	06/12/24 15:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 15:29	1
3-Nitroaniline	ND		10	0.48	ug/L		06/11/24 09:14	06/12/24 15:29	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Chloroaniline	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Methylphenol	ND		10	0.36	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Nitroaniline	ND		10	0.25	ug/L		06/11/24 09:14	06/12/24 15:29	1
4-Nitrophenol	ND		10	1.5	ug/L		06/11/24 09:14	06/12/24 15:29	1
Acenaphthene	ND		5.0	0.41	ug/L		06/11/24 09:14	06/12/24 15:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/11/24 09:14	06/12/24 15:29	1
Acetophenone	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 15:29	1
Aniline	ND		10	0.61	ug/L		06/11/24 09:14	06/12/24 15:29	1
Anthracene	ND		5.0	0.28	ug/L		06/11/24 09:14	06/12/24 15:29	1
Atrazine	ND		5.0	0.46	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzaldehyde	ND		5.0	0.27	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 15:29	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/11/24 09:14	06/12/24 15:29	1
Biphenyl	ND		5.0	0.65	ug/L		06/11/24 09:14	06/12/24 15:29	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		06/11/24 09:14	06/12/24 15:29	1

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-715151/1-A**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		06/11/24 09:14	06/12/24 15:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 15:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		06/11/24 09:14	06/12/24 15:29	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		06/11/24 09:14	06/12/24 15:29	1
Caprolactam	ND		5.0	2.2	ug/L		06/11/24 09:14	06/12/24 15:29	1
Carbazole	ND		5.0	0.30	ug/L		06/11/24 09:14	06/12/24 15:29	1
Chrysene	ND		5.0	0.33	ug/L		06/11/24 09:14	06/12/24 15:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/11/24 09:14	06/12/24 15:29	1
Dibenzofuran	ND		10	0.51	ug/L		06/11/24 09:14	06/12/24 15:29	1
Diethyl phthalate	ND		5.0	0.22	ug/L		06/11/24 09:14	06/12/24 15:29	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 15:29	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		06/11/24 09:14	06/12/24 15:29	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 15:29	1
Fluoranthene	ND		5.0	0.40	ug/L		06/11/24 09:14	06/12/24 15:29	1
Fluorene	ND		5.0	0.36	ug/L		06/11/24 09:14	06/12/24 15:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		06/11/24 09:14	06/12/24 15:29	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		06/11/24 09:14	06/12/24 15:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 15:29	1
Hexachloroethane	ND		5.0	0.59	ug/L		06/11/24 09:14	06/12/24 15:29	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		06/11/24 09:14	06/12/24 15:29	1
Isophorone	ND		5.0	0.43	ug/L		06/11/24 09:14	06/12/24 15:29	1
Naphthalene	ND		5.0	0.76	ug/L		06/11/24 09:14	06/12/24 15:29	1
Nitrobenzene	ND		5.0	0.29	ug/L		06/11/24 09:14	06/12/24 15:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		06/11/24 09:14	06/12/24 15:29	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		06/11/24 09:14	06/12/24 15:29	1
Pentachlorophenol	ND		10	2.2	ug/L		06/11/24 09:14	06/12/24 15:29	1
Phenanthrene	ND		5.0	0.44	ug/L		06/11/24 09:14	06/12/24 15:29	1
Phenol	ND		5.0	0.39	ug/L		06/11/24 09:14	06/12/24 15:29	1
Pyrene	ND		5.0	0.34	ug/L		06/11/24 09:14	06/12/24 15:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		25 - 144	06/11/24 09:14	06/12/24 15:29	1
2-Fluorobiphenyl	86		53 - 126	06/11/24 09:14	06/12/24 15:29	1
2-Fluorophenol	57		24 - 120	06/11/24 09:14	06/12/24 15:29	1
Nitrobenzene-d5	78		29 - 129	06/11/24 09:14	06/12/24 15:29	1
Phenol-d5	46		10 - 120	06/11/24 09:14	06/12/24 15:29	1
p-Terphenyl-d14	94		33 - 132	06/11/24 09:14	06/12/24 15:29	1

**Lab Sample ID: LCS 480-715151/2-A**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	30.8		ug/L		96	65 - 126
2,4,6-Trichlorophenol	32.0	30.2		ug/L		94	64 - 120
2,4-Dichlorophenol	32.0	28.1		ug/L		88	63 - 120
2,4-Dimethylphenol	32.0	31.3		ug/L		98	47 - 120
2,4-Dinitrophenol	64.0	68.9		ug/L		108	31 - 137

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCS 480-715151/2-A**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	32.0	31.5		ug/L		98	69 - 120
2,6-Dinitrotoluene	32.0	30.4		ug/L		95	68 - 120
2-Chloronaphthalene	32.0	28.1		ug/L		88	58 - 120
2-Chlorophenol	32.0	26.7		ug/L		84	48 - 120
2-Methylnaphthalene	32.0	26.8		ug/L		84	59 - 120
2-Methylphenol	32.0	25.4		ug/L		79	39 - 120
2-Nitroaniline	32.0	31.8		ug/L		99	54 - 127
2-Nitrophenol	32.0	27.3		ug/L		85	52 - 125
3,3'-Dichlorobenzidine	64.0	63.6		ug/L		99	49 - 135
3-Nitroaniline	32.0	25.3		ug/L		79	51 - 120
4,6-Dinitro-2-methylphenol	64.0	63.8		ug/L		100	46 - 136
4-Bromophenyl phenyl ether	32.0	31.6		ug/L		99	65 - 120
4-Chloro-3-methylphenol	32.0	29.6		ug/L		92	61 - 123
4-Chloroaniline	32.0	21.2		ug/L		66	30 - 120
4-Chlorophenyl phenyl ether	32.0	30.9		ug/L		97	62 - 120
4-Methylphenol	32.0	25.5		ug/L		80	29 - 131
4-Nitroaniline	32.0	30.2		ug/L		94	65 - 120
4-Nitrophenol	64.0	67.4		ug/L		105	45 - 120
Acenaphthene	32.0	29.2		ug/L		91	60 - 120
Acenaphthylene	32.0	29.2		ug/L		91	63 - 120
Acetophenone	32.0	27.7		ug/L		87	45 - 120
Aniline	32.0	14.7		ug/L		46	12 - 120
Anthracene	32.0	29.5		ug/L		92	67 - 120
Atrazine	64.0	68.4		ug/L		107	71 - 130
Benzaldehyde	64.0	51.1		ug/L		80	10 - 140
Benzo(a)anthracene	32.0	30.0		ug/L		94	70 - 121
Benzo(a)pyrene	32.0	30.3		ug/L		95	60 - 123
Benzo(b)fluoranthene	32.0	28.4		ug/L		89	66 - 126
Benzo(g,h,i)perylene	32.0	30.3		ug/L		95	66 - 150
Benzo(k)fluoranthene	32.0	32.2		ug/L		100	65 - 124
Biphenyl	32.0	28.8		ug/L		90	59 - 120
bis (2-chloroisopropyl) ether	32.0	25.8		ug/L		81	21 - 136
Bis(2-chloroethoxy)methane	32.0	26.0		ug/L		81	50 - 128
Bis(2-chloroethyl)ether	32.0	28.4		ug/L		89	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	26.4		ug/L		82	63 - 139
Butyl benzyl phthalate	32.0	27.0		ug/L		84	70 - 129
Caprolactam	64.0	21.3		ug/L		33	22 - 120
Carbazole	32.0	32.7		ug/L		102	66 - 123
Chrysene	32.0	28.4		ug/L		89	69 - 120
Dibenz(a,h)anthracene	32.0	30.3		ug/L		95	65 - 135
Dibenzofuran	32.0	29.4		ug/L		92	66 - 120
Diethyl phthalate	32.0	32.2		ug/L		101	59 - 127
Dimethyl phthalate	32.0	32.9		ug/L		103	68 - 120
Di-n-butyl phthalate	32.0	32.2		ug/L		101	69 - 131
Di-n-octyl phthalate	32.0	26.5		ug/L		83	63 - 140
Fluoranthene	32.0	30.9		ug/L		97	69 - 126
Fluorene	32.0	30.4		ug/L		95	66 - 120
Hexachlorobenzene	32.0	32.5		ug/L		102	61 - 120
Hexachlorobutadiene	32.0	27.6		ug/L		86	35 - 120

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: LCS 480-715151/2-A**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	32.0	19.0		ug/L		59	31 - 120
Hexachloroethane	32.0	22.9		ug/L		72	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	27.1		ug/L		85	69 - 146
Isophorone	32.0	27.5		ug/L		86	55 - 120
Naphthalene	32.0	26.0		ug/L		81	57 - 120
Nitrobenzene	32.0	26.4		ug/L		82	53 - 123
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	32 - 140
N-Nitrosodiphenylamine	32.0	28.6		ug/L		90	61 - 120
Pentachlorophenol	64.0	49.3		ug/L		77	10 - 136
Phenanthrene	32.0	29.6		ug/L		92	68 - 120
Phenol	32.0	17.5		ug/L		55	17 - 120
Pyrene	32.0	28.2		ug/L		88	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	103		25 - 144
2-Fluorobiphenyl	85		53 - 126
2-Fluorophenol	61		24 - 120
Nitrobenzene-d5	84		29 - 129
Phenol-d5	51		10 - 120
p-Terphenyl-d14	85		33 - 132

**Lab Sample ID: 480-220464-5 MS**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: BCC Area C MW-C04 MS**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		32.0	32.8		ug/L		102	65 - 126
2,4,6-Trichlorophenol	ND		32.0	37.0		ug/L		116	64 - 120
2,4-Dichlorophenol	0.95	J	32.0	32.0		ug/L		97	48 - 132
2,4-Dimethylphenol	ND		32.0	35.5		ug/L		111	39 - 130
2,4-Dinitrophenol	ND		64.0	76.8		ug/L		120	21 - 150
2,4-Dinitrotoluene	ND		32.0	30.5		ug/L		95	54 - 138
2,6-Dinitrotoluene	ND		32.0	34.7		ug/L		108	17 - 150
2-Chloronaphthalene	ND		32.0	29.1		ug/L		91	52 - 124
2-Chlorophenol	0.65	J	32.0	29.0		ug/L		89	48 - 120
2-Methylnaphthalene	ND		32.0	29.4		ug/L		92	34 - 140
2-Methylphenol	ND		32.0	27.8		ug/L		87	46 - 120
2-Nitroaniline	ND		32.0	33.7		ug/L		105	44 - 136
2-Nitrophenol	ND		32.0	29.7		ug/L		93	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	8.22		ug/L		13	10 - 150
3-Nitroaniline	ND		32.0	20.5		ug/L		64	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	67.1		ug/L		105	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	29.8		ug/L		93	63 - 126
4-Chloro-3-methylphenol	ND		32.0	33.8		ug/L		106	64 - 127
4-Chloroaniline	ND		32.0	10.7		ug/L		33	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	31.6		ug/L		99	61 - 120
4-Methylphenol	ND		32.0	27.8		ug/L		87	36 - 120
4-Nitroaniline	ND		32.0	29.6		ug/L		93	32 - 150

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# QC Sample Results

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

Job ID: 480-220464-1

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

Lab Sample ID: 480-220464-5 MS

Matrix: Water

Analysis Batch: 715312

Client Sample ID: BCC Area C MW-C04 MS

Prep Type: Total/NA

Prep Batch: 715151

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Nitrophenol	ND		64.0	66.9		ug/L		105	23 - 132
Acenaphthene	ND		32.0	30.9		ug/L		97	48 - 120
Acenaphthylene	ND		32.0	30.6		ug/L		96	63 - 120
Acetophenone	ND		32.0	29.7		ug/L		93	53 - 120
Aniline	1.6	J	32.0	12.4		ug/L		34	32 - 120
Anthracene	ND		32.0	27.9		ug/L		87	65 - 122
Atrazine	ND		64.0	52.6		ug/L		82	50 - 150
Benzaldehyde	ND		64.0	49.7		ug/L		78	10 - 150
Benzo(a)anthracene	ND		32.0	22.4		ug/L		70	43 - 124
Benzo(a)pyrene	ND		32.0	22.7		ug/L		71	23 - 125
Benzo(b)fluoranthene	ND		32.0	21.8		ug/L		68	27 - 127
Benzo(g,h,i)perylene	ND		32.0	21.9		ug/L		68	16 - 147
Benzo(k)fluoranthene	ND		32.0	22.2		ug/L		69	20 - 124
Biphenyl	ND		32.0	29.6		ug/L		93	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	27.5		ug/L		86	28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	28.5		ug/L		89	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	35.7		ug/L		112	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	20.0		ug/L		62	16 - 150
Butyl benzyl phthalate	ND		32.0	24.6		ug/L		77	51 - 140
Caprolactam	2.9	J	64.0	24.3		ug/L		33	10 - 120
Carbazole	ND		32.0	35.4		ug/L		111	16 - 148
Chrysene	ND		32.0	22.5		ug/L		70	44 - 122
Dibenz(a,h)anthracene	ND		32.0	21.5		ug/L		67	16 - 139
Dibenzofuran	ND		32.0	31.1		ug/L		97	60 - 120
Diethyl phthalate	ND		32.0	34.6		ug/L		108	53 - 133
Dimethyl phthalate	ND		32.0	35.5		ug/L		111	59 - 123
Di-n-butyl phthalate	ND		32.0	27.6		ug/L		86	65 - 129
Di-n-octyl phthalate	ND		32.0	20.6		ug/L		64	16 - 150
Fluoranthene	ND		32.0	27.5		ug/L		86	63 - 129
Fluorene	ND		32.0	31.8		ug/L		99	62 - 120
Hexachlorobenzene	ND	F2	32.0	30.3		ug/L		95	57 - 121
Hexachlorobutadiene	ND		32.0	28.8		ug/L		90	37 - 120
Hexachlorocyclopentadiene	ND		32.0	20.7		ug/L		65	21 - 120
Hexachloroethane	ND		32.0	25.2		ug/L		79	16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	19.1		ug/L		60	16 - 140
Isophorone	ND		32.0	30.1		ug/L		94	48 - 133
Naphthalene	ND		32.0	28.5		ug/L		89	45 - 120
Nitrobenzene	ND		32.0	28.4		ug/L		89	45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	30.1		ug/L		94	49 - 120
N-Nitrosodiphenylamine	0.82	J	32.0	30.0		ug/L		91	39 - 138
Pentachlorophenol	ND		64.0	65.7		ug/L		103	10 - 149
Phenanthrene	ND		32.0	28.0		ug/L		87	65 - 122
Phenol	ND		32.0	19.0		ug/L		59	16 - 120
Pyrene	ND		32.0	26.5		ug/L		83	58 - 128
	<b>MS MS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
2,4,6-Tribromophenol	112		25 - 144						
2-Fluorobiphenyl	88		53 - 126						



# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: 480-220464-5 MS**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: BCC Area C MW-C04 MS**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol	64		24 - 120
Nitrobenzene-d5	84		29 - 129
Phenol-d5	54		10 - 120
p-Terphenyl-d14	51		33 - 132

**Lab Sample ID: 480-220464-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 715312**

**Client Sample ID: BCC Area C MW-C04 MSD**  
**Prep Type: Total/NA**  
**Prep Batch: 715151**

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	27.5		ug/L		86	65 - 126	18	18
2,4,6-Trichlorophenol	ND		32.0	37.5		ug/L		117	64 - 120	1	19
2,4-Dichlorophenol	0.95	J	32.0	31.6		ug/L		96	48 - 132	1	19
2,4-Dimethylphenol	ND		32.0	35.1		ug/L		110	39 - 130	1	42
2,4-Dinitrophenol	ND		64.0	77.4		ug/L		121	21 - 150	1	22
2,4-Dinitrotoluene	ND		32.0	30.8		ug/L		96	54 - 138	1	20
2,6-Dinitrotoluene	ND		32.0	34.7		ug/L		108	17 - 150	0	15
2-Chloronaphthalene	ND		32.0	29.4		ug/L		92	52 - 124	1	21
2-Chlorophenol	0.65	J	32.0	28.9		ug/L		88	48 - 120	0	25
2-Methylnaphthalene	ND		32.0	28.5		ug/L		89	34 - 140	3	21
2-Methylphenol	ND		32.0	27.4		ug/L		85	46 - 120	2	27
2-Nitroaniline	ND		32.0	34.6		ug/L		108	44 - 136	3	15
2-Nitrophenol	ND		32.0	29.6		ug/L		92	38 - 141	0	18
3,3'-Dichlorobenzidine	ND		64.0	6.95		ug/L		11	10 - 150	17	25
3-Nitroaniline	ND		32.0	21.4		ug/L		67	32 - 150	4	19
4,6-Dinitro-2-methylphenol	ND		64.0	61.6		ug/L		96	38 - 150	9	15
4-Bromophenyl phenyl ether	ND		32.0	25.6		ug/L		80	63 - 126	15	15
4-Chloro-3-methylphenol	ND		32.0	33.1		ug/L		104	64 - 127	2	27
4-Chloroaniline	ND		32.0	12.0		ug/L		38	16 - 124	12	22
4-Chlorophenyl phenyl ether	ND		32.0	31.9		ug/L		100	61 - 120	1	16
4-Methylphenol	ND		32.0	27.3		ug/L		85	36 - 120	2	24
4-Nitroaniline	ND		32.0	30.0		ug/L		94	32 - 150	1	24
4-Nitrophenol	ND		64.0	65.4		ug/L		102	23 - 132	2	48
Acenaphthene	ND		32.0	31.3		ug/L		98	48 - 120	1	24
Acenaphthylene	ND		32.0	30.6		ug/L		96	63 - 120	0	18
Acetophenone	ND		32.0	29.3		ug/L		91	53 - 120	1	20
Aniline	1.6	J	32.0	14.3		ug/L		40	32 - 120	14	30
Anthracene	ND		32.0	27.5		ug/L		86	65 - 122	1	15
Atrazine	ND		64.0	54.4		ug/L		85	50 - 150	3	20
Benzaldehyde	ND		64.0	49.6		ug/L		78	10 - 150	0	20
Benzo(a)anthracene	ND		32.0	21.7		ug/L		68	43 - 124	3	15
Benzo(a)pyrene	ND		32.0	21.4		ug/L		67	23 - 125	6	15
Benzo(b)fluoranthene	ND		32.0	23.0		ug/L		72	27 - 127	5	15
Benzo(g,h,i)perylene	ND		32.0	21.9		ug/L		69	16 - 147	0	15
Benzo(k)fluoranthene	ND		32.0	20.1		ug/L		63	20 - 124	10	22
Biphenyl	ND		32.0	30.3		ug/L		95	57 - 120	2	20
bis (2-chloroisopropyl) ether	ND		32.0	26.7		ug/L		83	28 - 121	3	24
Bis(2-chloroethoxy)methane	ND		32.0	27.5		ug/L		86	44 - 128	4	17

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# QC Sample Results

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

Job ID: 480-220464-1

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

Lab Sample ID: 480-220464-5 MSD

Client Sample ID: BCC Area C MW-C04 MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 715312

Prep Batch: 715151

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Bis(2-chloroethyl)ether	ND		32.0	32.8		ug/L		103	45 - 120	8	21
Bis(2-ethylhexyl) phthalate	ND		32.0	19.0		ug/L		59	16 - 150	5	15
Butyl benzyl phthalate	ND		32.0	24.2		ug/L		76	51 - 140	1	16
Caprolactam	2.9	J	64.0	23.5		ug/L		32	10 - 120	3	20
Carbazole	ND		32.0	34.8		ug/L		109	16 - 148	2	20
Chrysene	ND		32.0	21.9		ug/L		69	44 - 122	2	15
Dibenz(a,h)anthracene	ND		32.0	21.5		ug/L		67	16 - 139	0	15
Dibenzofuran	ND		32.0	31.5		ug/L		98	60 - 120	1	15
Diethyl phthalate	ND		32.0	35.2		ug/L		110	53 - 133	2	15
Dimethyl phthalate	ND		32.0	35.5		ug/L		111	59 - 123	0	15
Di-n-butyl phthalate	ND		32.0	27.2		ug/L		85	65 - 129	2	15
Di-n-octyl phthalate	ND		32.0	19.7		ug/L		62	16 - 150	5	16
Fluoranthene	ND		32.0	24.7		ug/L		77	63 - 129	10	15
Fluorene	ND		32.0	31.9		ug/L		100	62 - 120	0	15
Hexachlorobenzene	ND	F2	32.0	24.7	F2	ug/L		77	57 - 121	21	15
Hexachlorobutadiene	ND		32.0	28.2		ug/L		88	37 - 120	2	44
Hexachlorocyclopentadiene	ND		32.0	21.1		ug/L		66	21 - 120	2	49
Hexachloroethane	ND		32.0	24.2		ug/L		76	16 - 130	4	46
Indeno(1,2,3-cd)pyrene	ND		32.0	19.2		ug/L		60	16 - 140	0	15
Isophorone	ND		32.0	30.0		ug/L		94	48 - 133	0	17
Naphthalene	ND		32.0	27.9		ug/L		87	45 - 120	2	29
Nitrobenzene	ND		32.0	28.1		ug/L		88	45 - 123	1	24
N-Nitrosodi-n-propylamine	ND		32.0	29.0		ug/L		91	49 - 120	4	31
N-Nitrosodiphenylamine	0.82	J	32.0	26.5		ug/L		80	39 - 138	12	15
Pentachlorophenol	ND		64.0	58.9		ug/L		92	10 - 149	11	37
Phenanthrene	ND		32.0	26.7		ug/L		83	65 - 122	5	15
Phenol	ND		32.0	18.2		ug/L		57	16 - 120	4	34
Pyrene	ND		32.0	26.7		ug/L		83	58 - 128	1	19

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	101		25 - 144
2-Fluorobiphenyl	89		53 - 126
2-Fluorophenol	60		24 - 120
Nitrobenzene-d5	82		29 - 129
Phenol-d5	51		10 - 120
p-Terphenyl-d14	52		33 - 132

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-714560/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 714801

Prep Batch: 714560

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		06/06/24 09:16	06/06/24 17:05	1
Antimony	ND		0.020	0.0068	mg/L		06/06/24 09:16	06/06/24 17:05	1
Arsenic	ND		0.015	0.0056	mg/L		06/06/24 09:16	06/06/24 17:05	1
Barium	ND		0.0020	0.00070	mg/L		06/06/24 09:16	06/06/24 17:05	1
Beryllium	ND		0.0020	0.00030	mg/L		06/06/24 09:16	06/06/24 17:05	1

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# QC Sample Results

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

Job ID: 480-220464-1

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

**Lab Sample ID: MB 480-714560/1-A**  
**Matrix: Water**  
**Analysis Batch: 714801**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 714560**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		06/06/24 09:16	06/06/24 17:05	1
Calcium	ND		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:05	1
Chromium	ND		0.0040	0.0010	mg/L		06/06/24 09:16	06/06/24 17:05	1
Cobalt	ND		0.0040	0.00063	mg/L		06/06/24 09:16	06/06/24 17:05	1
Copper	ND		0.010	0.0016	mg/L		06/06/24 09:16	06/06/24 17:05	1
Iron	ND		0.050	0.019	mg/L		06/06/24 09:16	06/06/24 17:05	1
Lead	ND		0.010	0.0030	mg/L		06/06/24 09:16	06/06/24 17:05	1
Magnesium	ND		0.20	0.043	mg/L		06/06/24 09:16	06/06/24 17:05	1
Manganese	ND		0.0030	0.00040	mg/L		06/06/24 09:16	06/06/24 17:05	1
Nickel	ND		0.010	0.0013	mg/L		06/06/24 09:16	06/06/24 17:05	1
Potassium	ND		0.50	0.10	mg/L		06/06/24 09:16	06/06/24 17:05	1
Selenium	ND		0.025	0.0087	mg/L		06/06/24 09:16	06/06/24 17:05	1
Silver	ND		0.0060	0.0017	mg/L		06/06/24 09:16	06/06/24 17:05	1
Sodium	ND		1.0	0.32	mg/L		06/06/24 09:16	06/06/24 17:05	1
Thallium	ND		0.020	0.010	mg/L		06/06/24 09:16	06/06/24 17:05	1
Vanadium	ND		0.0050	0.0015	mg/L		06/06/24 09:16	06/06/24 17:05	1
Zinc	ND		0.010	0.0015	mg/L		06/06/24 09:16	06/06/24 17:05	1

**Lab Sample ID: LCS 480-714560/2-A**  
**Matrix: Water**  
**Analysis Batch: 714801**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 714560**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.10	4.97		mg/L		97	80 - 120
Antimony	0.500	0.521		mg/L		104	80 - 120
Arsenic	1.00	1.03		mg/L		103	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.517		mg/L		103	80 - 120
Cadmium	0.500	0.511		mg/L		102	80 - 120
Calcium	25.0	25.49		mg/L		102	80 - 120
Chromium	0.500	0.508		mg/L		102	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.478		mg/L		96	80 - 120
Iron	5.10	5.52		mg/L		108	80 - 120
Lead	0.500	0.508		mg/L		102	80 - 120
Magnesium	25.0	24.30		mg/L		97	80 - 120
Manganese	0.500	0.500		mg/L		100	80 - 120
Nickel	0.500	0.526		mg/L		105	80 - 120
Potassium	25.0	24.81		mg/L		99	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.0500	0.0486		mg/L		97	80 - 120
Sodium	25.0	24.97		mg/L		100	80 - 120
Thallium	1.00	0.974		mg/L		97	80 - 120
Vanadium	0.500	0.510		mg/L		102	80 - 120
Zinc	0.500	0.522		mg/L		104	80 - 120

# QC Sample Results

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

Job ID: 480-220464-1

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

Lab Sample ID: 480-220464-5 MS

Matrix: Water

Analysis Batch: 714801

Client Sample ID: BCC Area C MW-C04 MS

Prep Type: Total/NA

Prep Batch: 714560

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Aluminum	ND		5.10	5.11		mg/L		100		75 - 125
Antimony	ND		0.500	0.535		mg/L		107		75 - 125
Arsenic	ND		1.00	1.04		mg/L		104		75 - 125
Barium	0.50		1.00	1.51		mg/L		101		75 - 125
Beryllium	ND		0.500	0.522		mg/L		104		75 - 125
Cadmium	ND		0.500	0.530		mg/L		106		75 - 125
Calcium	274		25.0	295.3	4	mg/L		85		75 - 125
Chromium	ND		0.500	0.497		mg/L		99		75 - 125
Cobalt	0.00072	J	0.500	0.509		mg/L		102		75 - 125
Copper	ND		0.500	0.535		mg/L		107		75 - 125
Iron	2.6		5.10	8.08		mg/L		107		75 - 125
Lead	0.0030	J	0.500	0.524		mg/L		104		75 - 125
Magnesium	44.8		25.0	69.92		mg/L		100		75 - 125
Manganese	0.62		0.500	1.12		mg/L		99		75 - 125
Nickel	0.0019	J	0.500	0.519		mg/L		103		75 - 125
Potassium	14.2		25.0	40.12		mg/L		104		75 - 125
Selenium	ND		1.00	1.02		mg/L		102		75 - 125
Silver	ND		0.0500	0.0509		mg/L		102		75 - 125
Sodium	159		25.0	183.7	4	mg/L		97		75 - 125
Thallium	ND		1.00	1.03		mg/L		103		75 - 125
Vanadium	ND		0.500	0.507		mg/L		101		75 - 125
Zinc	ND		0.500	0.488		mg/L		98		75 - 125

Lab Sample ID: 480-220464-5 MSD

Matrix: Water

Analysis Batch: 714801

Client Sample ID: BCC Area C MW-C04 MSD

Prep Type: Total/NA

Prep Batch: 714560

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	ND		5.10	5.19		mg/L		102		75 - 125	2	20
Antimony	ND		0.500	0.533		mg/L		107		75 - 125	0	20
Arsenic	ND		1.00	1.04		mg/L		104		75 - 125	0	20
Barium	0.50		1.00	1.53		mg/L		103		75 - 125	1	20
Beryllium	ND		0.500	0.524		mg/L		105		75 - 125	0	20
Cadmium	ND		0.500	0.531		mg/L		106		75 - 125	0	20
Calcium	274		25.0	299.5	4	mg/L		102		75 - 125	1	20
Chromium	ND		0.500	0.500		mg/L		100		75 - 125	1	20
Cobalt	0.00072	J	0.500	0.512		mg/L		102		75 - 125	1	20
Copper	ND		0.500	0.537		mg/L		107		75 - 125	0	20
Iron	2.6		5.10	8.15		mg/L		109		75 - 125	1	20
Lead	0.0030	J	0.500	0.528		mg/L		105		75 - 125	1	20
Magnesium	44.8		25.0	71.01		mg/L		105		75 - 125	2	20
Manganese	0.62		0.500	1.13		mg/L		101		75 - 125	1	20
Nickel	0.0019	J	0.500	0.523		mg/L		104		75 - 125	1	20
Potassium	14.2		25.0	40.70		mg/L		106		75 - 125	1	20
Selenium	ND		1.00	1.03		mg/L		103		75 - 125	1	20
Silver	ND		0.0500	0.0517		mg/L		103		75 - 125	2	20
Sodium	159		25.0	186.5	4	mg/L		108		75 - 125	2	20
Thallium	ND		1.00	1.04		mg/L		104		75 - 125	0	20
Vanadium	ND		0.500	0.509		mg/L		102		75 - 125	1	20

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# QC Sample Results

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

Job ID: 480-220464-1

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

Lab Sample ID: 480-220464-5 MSD  
 Matrix: Water  
 Analysis Batch: 714801

Client Sample ID: BCC Area C MW-C04 MSD  
 Prep Type: Total/NA  
 Prep Batch: 714560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	ND		0.500	0.491		mg/L		98	75 - 125	1	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-714673/1-A  
 Matrix: Water  
 Analysis Batch: 714753

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 714673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		06/06/24 12:22	06/06/24 15:39	1

Lab Sample ID: LCS 480-714673/2-A  
 Matrix: Water  
 Analysis Batch: 714753

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 714673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00746		mg/L		111	80 - 120

Lab Sample ID: 480-220464-5 MS  
 Matrix: Water  
 Analysis Batch: 714753

Client Sample ID: BCC Area C MW-C04 MS  
 Prep Type: Total/NA  
 Prep Batch: 714673

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00694		mg/L		104	80 - 120

Lab Sample ID: 480-220464-5 MSD  
 Matrix: Water  
 Analysis Batch: 714753

Client Sample ID: BCC Area C MW-C04 MSD  
 Prep Type: Total/NA  
 Prep Batch: 714673

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00695		mg/L		104	80 - 120	0	20

# QC Association Summary

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

Job ID: 480-220464-1

## GC/MS VOA

### Analysis Batch: 714555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	8260C	
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	8260C	
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	8260C	
480-220464-4	BCC Area C PS-05A	Total/NA	Water	8260C	
480-220464-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-714555/8	Method Blank	Total/NA	Water	8260C	
LCS 480-714555/6	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 714557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-5	BCC Area C MW-C04	Total/NA	Water	8260C	
MB 480-714557/8	Method Blank	Total/NA	Water	8260C	
LCS 480-714557/6	Lab Control Sample	Total/NA	Water	8260C	
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	8260C	
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	8260C	

### Analysis Batch: 714732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1 - DL	BCC Area C RFI-31A	Total/NA	Water	8260C	
480-220464-4 - DL	BCC Area C PS-05A	Total/NA	Water	8260C	
MB 480-714732/8	Method Blank	Total/NA	Water	8260C	
LCS 480-714732/6	Lab Control Sample	Total/NA	Water	8260C	
LCS 480-714732/45	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC/MS Semi VOA

### Prep Batch: 715151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	3510C	
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	3510C	
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	3510C	
480-220464-4	BCC Area C PS-05A	Total/NA	Water	3510C	
480-220464-5	BCC Area C MW-C04	Total/NA	Water	3510C	
MB 480-715151/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-715151/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	3510C	
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	3510C	

### Analysis Batch: 715312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	8270D	715151
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	8270D	715151
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	8270D	715151
480-220464-4	BCC Area C PS-05A	Total/NA	Water	8270D	715151
480-220464-5	BCC Area C MW-C04	Total/NA	Water	8270D	715151
MB 480-715151/1-A	Method Blank	Total/NA	Water	8270D	715151
LCS 480-715151/2-A	Lab Control Sample	Total/NA	Water	8270D	715151
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	8270D	715151
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	8270D	715151

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# QC Association Summary

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

Job ID: 480-220464-1

## Metals

### Prep Batch: 714560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	3005A	
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	3005A	
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	3005A	
480-220464-4	BCC Area C PS-05A	Total/NA	Water	3005A	
480-220464-5	BCC Area C MW-C04	Total/NA	Water	3005A	
MB 480-714560/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-714560/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	3005A	
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	3005A	

### Prep Batch: 714673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	7470A	
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	7470A	
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	7470A	
480-220464-4	BCC Area C PS-05A	Total/NA	Water	7470A	
480-220464-5	BCC Area C MW-C04	Total/NA	Water	7470A	
MB 480-714673/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-714673/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	7470A	
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	7470A	

### Analysis Batch: 714753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	7470A	714673
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	7470A	714673
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	7470A	714673
480-220464-4	BCC Area C PS-05A	Total/NA	Water	7470A	714673
480-220464-5	BCC Area C MW-C04	Total/NA	Water	7470A	714673
MB 480-714673/1-A	Method Blank	Total/NA	Water	7470A	714673
LCS 480-714673/2-A	Lab Control Sample	Total/NA	Water	7470A	714673
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	7470A	714673
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	7470A	714673

### Analysis Batch: 714801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	6010C	714560
480-220464-2	BCC Area C MW-C04 D	Total/NA	Water	6010C	714560
480-220464-3	BCC Area C RFI-20A	Total/NA	Water	6010C	714560
480-220464-4	BCC Area C PS-05A	Total/NA	Water	6010C	714560
480-220464-5	BCC Area C MW-C04	Total/NA	Water	6010C	714560
MB 480-714560/1-A	Method Blank	Total/NA	Water	6010C	714560
LCS 480-714560/2-A	Lab Control Sample	Total/NA	Water	6010C	714560
480-220464-5 MS	BCC Area C MW-C04 MS	Total/NA	Water	6010C	714560
480-220464-5 MSD	BCC Area C MW-C04 MSD	Total/NA	Water	6010C	714560

### Analysis Batch: 714855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220464-1	BCC Area C RFI-31A	Total/NA	Water	6010C	714560

# Lab Chronicle

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

Job ID: 480-220464-1

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

## Lab Sample ID: 480-220464-1

Date Collected: 06/04/24 13:25

Matrix: Water

Date Received: 06/04/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	714555	ZN	EET BUF	06/05/24 22:01
Total/NA	Analysis	8260C	DL	8	714732	ERS	EET BUF	06/07/24 03:21
Total/NA	Prep	3510C			715151	JMP	EET BUF	06/11/24 09:14
Total/NA	Analysis	8270D		1	715312	EMD	EET BUF	06/12/24 17:47
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		1	714801	BMB	EET BUF	06/06/24 17:08
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		10	714855	NZG	EET BUF	06/07/24 11:52
Total/NA	Prep	7470A			714673	ESB	EET BUF	06/06/24 12:22
Total/NA	Analysis	7470A		1	714753	ESB	EET BUF	06/06/24 15:50

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

## Lab Sample ID: 480-220464-2

Date Collected: 06/04/24 09:15

Matrix: Water

Date Received: 06/04/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	714555	ZN	EET BUF	06/05/24 22:25
Total/NA	Prep	3510C			715151	JMP	EET BUF	06/11/24 09:14
Total/NA	Analysis	8270D		1	715312	EMD	EET BUF	06/12/24 18:14
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		1	714801	BMB	EET BUF	06/06/24 17:10
Total/NA	Prep	7470A			714673	ESB	EET BUF	06/06/24 12:22
Total/NA	Analysis	7470A		1	714753	ESB	EET BUF	06/06/24 15:51

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

## Lab Sample ID: 480-220464-3

Date Collected: 06/04/24 10:50

Matrix: Water

Date Received: 06/04/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	714555	ZN	EET BUF	06/05/24 22:48
Total/NA	Prep	3510C			715151	JMP	EET BUF	06/11/24 09:14
Total/NA	Analysis	8270D		1	715312	EMD	EET BUF	06/12/24 18:41
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		1	714801	BMB	EET BUF	06/06/24 17:12
Total/NA	Prep	7470A			714673	ESB	EET BUF	06/06/24 12:22
Total/NA	Analysis	7470A		1	714753	ESB	EET BUF	06/06/24 15:55

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

## Lab Sample ID: 480-220464-4

Date Collected: 06/04/24 12:00

Matrix: Water

Date Received: 06/04/24 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	714555	ZN	EET BUF	06/05/24 23:11
Total/NA	Analysis	8260C	DL	4	714732	ERS	EET BUF	06/07/24 03:47



# Lab Chronicle

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

Job ID: 480-220464-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-220464-4**

**Date Collected: 06/04/24 12:00**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			715151	JMP	EET BUF	06/11/24 09:14
Total/NA	Analysis	8270D		1	715312	EMD	EET BUF	06/12/24 19:09
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		1	714801	BMB	EET BUF	06/06/24 17:14
Total/NA	Prep	7470A			714673	ESB	EET BUF	06/06/24 12:22
Total/NA	Analysis	7470A		1	714753	ESB	EET BUF	06/06/24 15:56

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-220464-5**

**Date Collected: 06/04/24 09:10**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	714557	ERS	EET BUF	06/06/24 02:02
Total/NA	Prep	3510C			715151	JMP	EET BUF	06/11/24 09:14
Total/NA	Analysis	8270D		1	715312	EMD	EET BUF	06/12/24 17:19
Total/NA	Prep	3005A			714560	EMO	EET BUF	06/06/24 09:16
Total/NA	Analysis	6010C		1	714801	BMB	EET BUF	06/06/24 17:16
Total/NA	Prep	7470A			714673	ESB	EET BUF	06/06/24 12:22
Total/NA	Analysis	7470A		1	714753	ESB	EET BUF	06/06/24 15:57

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-220464-6**

**Date Collected: 06/04/24 00:00**

**Matrix: Water**

**Date Received: 06/04/24 16:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	714555	ZN	EET BUF	06/05/24 23:34

**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: 480-220464-1

## Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

# Method Summary

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

Job ID: 480-220464-1

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: 480-220464-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220464-1	BCC Area C RFI-31A	Water	06/04/24 13:25	06/04/24 16:00
480-220464-2	BCC Area C MW-C04 D	Water	06/04/24 09:15	06/04/24 16:00
480-220464-3	BCC Area C RFI-20A	Water	06/04/24 10:50	06/04/24 16:00
480-220464-4	BCC Area C PS-05A	Water	06/04/24 12:00	06/04/24 16:00
480-220464-5	BCC Area C MW-C04	Water	06/04/24 09:10	06/04/24 16:00
480-220464-6	TRIP BLANK	Water	06/04/24 00:00	06/04/24 16:00

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15

# Chain of Custody Record

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

**Client Information**  
 Client Contact: Kirsten Colligan  
 Company: Ontario Specialty Contracting, Inc.  
 Address: 140 Lee St.  
 City: Buffalo  
 State: NY Zip: 14210  
 Phone: 716-856-3333  
 Email: kcolligan@oscinc.com

Sampler: Taylor Kuzelmann Lab PM: Schove, John R  
 Phone: 716-480-3280 E-Mail: John.Schove@et.eurolfins.com  
 Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area  
 Project #: 48003159  
 Site: New York  
 SOW#: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, 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	D	A	N	Total Number of Containers	Special Instructions/Note:
BCC Area C RFI-31A	6-4-24	13:25	G	Water	X	X	1	3	2					 480-220464 Chain of Custody
BCC Area C MW-C04		9:10	G	Water			1	3	2					
BCC Area C RFI-20A		10:50	G	Water			1	3	2					
BCC Area C PS-05A		12:00	G	Water			1	3	2					
BCC Area C MW-C04 D		9:15	G	Water			1	3	2					
BCC Area C MW-C04 MS		9:20	G	Water			1	3	2					
BCC Area C MW-C04 MSD		9:25	G	Water			1	3	2					
TRIP BLANK				Water										

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: John Kuzelmann Date: 6-4-2024 1600  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Custody Seal No.: 2420931  
 Yes  No

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

Special Instructions/QC Requirements: \_\_\_\_\_

Received by: John Kuzelmann Date/Time: 6/4/24 1600 Company: OSC  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: 2.7 ICE

# Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-220464-1

**Login Number: 220464**

**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	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kirsten Colligan  
Ontario Specialty Contracting, Inc.  
140 Lee St.  
Buffalo, New York 14210  
Generated 9/23/2024 11:50:00 AM

## JOB DESCRIPTION

Buffalo Color Area C Wells

## JOB NUMBER

480-223414-1



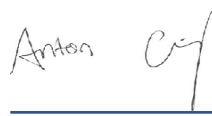
# Eurofins Buffalo

## Job Notes

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

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

## Authorization



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9/23/2024 11:50:00 AM

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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	8
Surrogate Summary . . . . .	30
QC Sample Results . . . . .	31
QC Association Summary . . . . .	46
Lab Chronicle . . . . .	48
Certification Summary . . . . .	50
Method Summary . . . . .	51
Sample Summary . . . . .	52
Chain of Custody . . . . .	53
Receipt Checklists . . . . .	54

# Definitions/Glossary

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

Job ID: 480-223414-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

### GC/MS Semi 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.

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

# Case Narrative

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

Job ID: 480-223414-1

**Job ID: 480-223414-1**

**Eurofins Buffalo**

## Job Narrative 480-223414-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 9/16/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition. The temperature of the cooler at receipt time was 17.6°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-31A (480-223414-1), BCC Area C MW-C04 (480-223414-2) and BCC Area C PS-05A (480-223414-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-725312 recovered above the upper control limit for Carbon tetrachloride and 1,2-Dibromo-3-Chloropropane. 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 RFI-31A (480-223414-1), BCC Area C MW-C04 (480-223414-2), BCC Area C RFI-20A (480-223414-3), BCC Area C PS-05A (480-223414-4), BCC Area C RFI-20A D (480-223414-5) and TRIP BLANK (480-223414-6).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-725312 recovered outside control limits for the following analytes: Carbon tetrachloride 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. The associated samples are impacted: BCC Area C RFI-31A (480-223414-1), BCC Area C MW-C04 (480-223414-2), BCC Area C RFI-20A (480-223414-3), BCC Area C PS-05A (480-223414-4), BCC Area C RFI-20A D (480-223414-5) and TRIP BLANK (480-223414-6).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-725312 were outside control limits for one or more analytes. See QC Sample Results for detail. The associated samples are impacted: BCC Area C RFI-20A MS (480-223414-3[MS]) and BCC Area C RFI-20A MSD (480-223414-3[MSD]).

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

### GC/MS Semi VOA

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) for analytical batch 480-725565 recovered above the upper control limit for (total Lead). The sample associated with this CCVL were ND; therefore, re-analysis of samples BCC Area C RFI-20A (480-223414-3) was not performed.

Method 6010C: The following sample was diluted for total Zinc because the initial analysis produced a significant negative result - the absolute value exceeded the reporting limit (RL): BCC Area C RFI-31A (480-223414-1). Reporting limits (RLs) are elevated as a result.

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

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# Detection Summary

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

Job ID: 480-223414-1

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

## Lab Sample ID: 480-223414-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	21		8.0	3.3	ug/L	8		8260C	Total/NA
1,2-Dichlorobenzene	20		8.0	6.3	ug/L	8		8260C	Total/NA
1,3-Dichlorobenzene	710		8.0	6.2	ug/L	8		8260C	Total/NA
1,4-Dichlorobenzene	160		8.0	6.7	ug/L	8		8260C	Total/NA
Chlorobenzene	150		8.0	6.0	ug/L	8		8260C	Total/NA
2,4-Dichlorophenol	1.9	J	5.0	0.51	ug/L	1		8270D	Total/NA
2-Chlorophenol	0.54	J	5.0	0.53	ug/L	1		8270D	Total/NA
Aniline	1.2	J	10	0.61	ug/L	1		8270D	Total/NA
Arsenic	0.020		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.022		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	195		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.00081	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0018	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	3.4		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	74.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.81	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0029	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	1520		5.0	1.6	mg/L	5		6010C	Total/NA
Vanadium	0.0021	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-223414-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	12		4.0	3.1	ug/L	4		8260C	Total/NA
1,4-Dichlorobenzene	25		4.0	3.4	ug/L	4		8260C	Total/NA
Chlorobenzene	250		4.0	3.0	ug/L	4		8260C	Total/NA
2-Chlorophenol	0.76	J	5.0	0.53	ug/L	1		8270D	Total/NA
Aniline	2.6	J	10	0.61	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.34	J	5.0	0.31	ug/L	1		8270D	Total/NA
N-Nitrosodiphenylamine	0.75	J	5.0	0.51	ug/L	1		8270D	Total/NA
Arsenic	0.0059	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	1.6		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	291		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0010	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0018	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	2.1		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	42.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.58	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	16.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	159		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0016	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

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

## Lab Sample ID: 480-223414-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.43	J	5.0	0.31	ug/L	1		8270D	Total/NA
Arsenic	0.017		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.076		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	269		0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.00081	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0017	J	0.010	0.0016	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Detection Summary

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

Job ID: 480-223414-1

## Client Sample ID: BCC Area C RFI-20A (Continued)

Lab Sample ID: 480-223414-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	27.8		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	20.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.58	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0021	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	78.1		1.0	0.32	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 PS-05A

Lab Sample ID: 480-223414-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	7.3		4.0	3.2	ug/L	4		8260C	Total/NA
Chlorobenzene	290		4.0	3.0	ug/L	4		8260C	Total/NA
2-Chlorophenol	1.9	J	5.0	0.53	ug/L	1		8270D	Total/NA
Aluminum	0.14	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.012	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.14		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	242		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0013	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0020	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	2.0		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0031	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	34.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.12	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	8.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	94.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: BCC Area C RFI-20A D

Lab Sample ID: 480-223414-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.077		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	270		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0012	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.00093	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0018	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	28.0		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	20.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.58	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0021	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	78.9		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.019		0.010	0.0015	mg/L	1		6010C	Total/NA

## Client Sample ID: TRIP BLANK

Lab Sample ID: 480-223414-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-223414-1**

Date Collected: 09/16/24 13:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			09/17/24 18:26	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			09/17/24 18:26	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			09/17/24 18:26	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			09/17/24 18:26	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			09/17/24 18:26	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			09/17/24 18:26	8
<b>1,2,4-Trichlorobenzene</b>	<b>21</b>		8.0	3.3	ug/L			09/17/24 18:26	8
1,2-Dibromo-3-Chloropropane	ND	*+	8.0	3.1	ug/L			09/17/24 18:26	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			09/17/24 18:26	8
<b>1,2-Dichlorobenzene</b>	<b>20</b>		8.0	6.3	ug/L			09/17/24 18:26	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			09/17/24 18:26	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			09/17/24 18:26	8
<b>1,3-Dichlorobenzene</b>	<b>710</b>		8.0	6.2	ug/L			09/17/24 18:26	8
<b>1,4-Dichlorobenzene</b>	<b>160</b>		8.0	6.7	ug/L			09/17/24 18:26	8
2-Butanone (MEK)	ND		80	11	ug/L			09/17/24 18:26	8
2-Hexanone	ND		40	9.9	ug/L			09/17/24 18:26	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			09/17/24 18:26	8
Acetone	ND		80	24	ug/L			09/17/24 18:26	8
Benzene	ND		8.0	3.3	ug/L			09/17/24 18:26	8
Bromodichloromethane	ND		8.0	3.1	ug/L			09/17/24 18:26	8
Bromoform	ND		8.0	2.1	ug/L			09/17/24 18:26	8
Bromomethane	ND		8.0	5.5	ug/L			09/17/24 18:26	8
Carbon disulfide	ND		8.0	1.5	ug/L			09/17/24 18:26	8
Carbon tetrachloride	ND	*+	8.0	2.2	ug/L			09/17/24 18:26	8
<b>Chlorobenzene</b>	<b>150</b>		8.0	6.0	ug/L			09/17/24 18:26	8
Chloroethane	ND		8.0	2.6	ug/L			09/17/24 18:26	8
Chloroform	ND		8.0	2.7	ug/L			09/17/24 18:26	8
Chloromethane	ND		8.0	2.8	ug/L			09/17/24 18:26	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			09/17/24 18:26	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			09/17/24 18:26	8
Cyclohexane	ND		8.0	1.4	ug/L			09/17/24 18:26	8
Dibromochloromethane	ND		8.0	2.6	ug/L			09/17/24 18:26	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			09/17/24 18:26	8
Ethylbenzene	ND		8.0	5.9	ug/L			09/17/24 18:26	8
Isopropylbenzene	ND		8.0	6.3	ug/L			09/17/24 18:26	8
Methyl acetate	ND		20	10	ug/L			09/17/24 18:26	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			09/17/24 18:26	8
Methylcyclohexane	ND		8.0	1.3	ug/L			09/17/24 18:26	8
Methylene Chloride	ND		8.0	3.5	ug/L			09/17/24 18:26	8
Styrene	ND		8.0	5.8	ug/L			09/17/24 18:26	8
Tetrachloroethene	ND		8.0	2.9	ug/L			09/17/24 18:26	8
Toluene	ND		8.0	4.1	ug/L			09/17/24 18:26	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			09/17/24 18:26	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			09/17/24 18:26	8
Trichloroethene	ND		8.0	3.7	ug/L			09/17/24 18:26	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			09/17/24 18:26	8
Vinyl chloride	ND		8.0	7.2	ug/L			09/17/24 18:26	8
Xylenes, Total	ND		16	5.3	ug/L			09/17/24 18:26	8



# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-223414-1**

**Date Collected: 09/16/24 13:15**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		09/17/24 18:26	8
4-Bromofluorobenzene (Surr)	96		73 - 120		09/17/24 18:26	8
Toluene-d8 (Surr)	97		80 - 120		09/17/24 18:26	8
Dibromofluoromethane (Surr)	97		75 - 123		09/17/24 18:26	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:03	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 19:03	1
<b>2,4-Dichlorophenol</b>	<b>1.9</b>	<b>J</b>	5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:03	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 19:03	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:03	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:03	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:03	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:03	1
<b>2-Chlorophenol</b>	<b>0.54</b>	<b>J</b>	5.0	0.53	ug/L		09/18/24 09:14	09/19/24 19:03	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 19:03	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:03	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 19:03	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:03	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:03	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 19:03	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 19:03	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 19:03	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 19:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 19:03	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:03	1
<b>Aniline</b>	<b>1.2</b>	<b>J</b>	10	0.61	ug/L		09/18/24 09:14	09/19/24 19:03	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 19:03	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:03	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 19:03	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 19:03	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 19:03	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:03	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:03	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:03	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 19:03	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:03	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 19:03	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-223414-1**

Date Collected: 09/16/24 13:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 19:03	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 19:03	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 19:03	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 19:03	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:03	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/24 09:14	09/19/24 19:03	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:03	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:03	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:03	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:03	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 19:03	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:03	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:03	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:03	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 19:03	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 19:03	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 19:03	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:03	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:03	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:03	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 19:03	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 19:03	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	111		25 - 144	09/18/24 09:14	09/19/24 19:03	1
2-Fluorobiphenyl	101		53 - 126	09/18/24 09:14	09/19/24 19:03	1
2-Fluorophenol	65		24 - 120	09/18/24 09:14	09/19/24 19:03	1
Nitrobenzene-d5	80		29 - 129	09/18/24 09:14	09/19/24 19:03	1
Phenol-d5	49		10 - 120	09/18/24 09:14	09/19/24 19:03	1
p-Terphenyl-d14	73		33 - 132	09/18/24 09:14	09/19/24 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:08	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Arsenic</b>	<b>0.020</b>		0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Barium</b>	<b>0.022</b>		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:08	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:08	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Calcium</b>	<b>195</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:08	1
Chromium	ND		0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Cobalt</b>	<b>0.00081</b>	<b>J</b>	0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Copper</b>	<b>0.0018</b>	<b>J</b>	0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Iron</b>	<b>3.4</b>		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:08	1
Lead	ND		0.010	0.0030	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Magnesium</b>	<b>74.5</b>		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Manganese</b>	<b>0.81</b>	<b>B</b>	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Nickel</b>	<b>0.0029</b>	<b>J</b>	0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Potassium</b>	<b>9.6</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:08	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-31A**

**Lab Sample ID: 480-223414-1**

Date Collected: 09/16/24 13:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:32	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Sodium</b>	<b>1520</b>		5.0	1.6	mg/L		09/18/24 08:20	09/19/24 17:33	5
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:08	1
<b>Vanadium</b>	<b>0.0021</b>	<b>J</b>	0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:08	1
Zinc	ND		0.20	0.030	mg/L		09/18/24 08:20	09/20/24 12:32	20

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 12:55	1



# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-223414-2**

Date Collected: 09/16/24 09:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			09/17/24 18:49	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/17/24 18:49	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/17/24 18:49	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/17/24 18:49	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/17/24 18:49	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/17/24 18:49	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/17/24 18:49	4
1,2-Dibromo-3-Chloropropane	ND	*+	4.0	1.6	ug/L			09/17/24 18:49	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/17/24 18:49	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			09/17/24 18:49	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/17/24 18:49	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/17/24 18:49	4
<b>1,3-Dichlorobenzene</b>	<b>12</b>		4.0	3.1	ug/L			09/17/24 18:49	4
<b>1,4-Dichlorobenzene</b>	<b>25</b>		4.0	3.4	ug/L			09/17/24 18:49	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/17/24 18:49	4
2-Hexanone	ND		20	5.0	ug/L			09/17/24 18:49	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/17/24 18:49	4
Acetone	ND		40	12	ug/L			09/17/24 18:49	4
Benzene	ND		4.0	1.6	ug/L			09/17/24 18:49	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/17/24 18:49	4
Bromoform	ND		4.0	1.0	ug/L			09/17/24 18:49	4
Bromomethane	ND		4.0	2.8	ug/L			09/17/24 18:49	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/17/24 18:49	4
Carbon tetrachloride	ND	*+	4.0	1.1	ug/L			09/17/24 18:49	4
<b>Chlorobenzene</b>	<b>250</b>		4.0	3.0	ug/L			09/17/24 18:49	4
Chloroethane	ND		4.0	1.3	ug/L			09/17/24 18:49	4
Chloroform	ND		4.0	1.4	ug/L			09/17/24 18:49	4
Chloromethane	ND		4.0	1.4	ug/L			09/17/24 18:49	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			09/17/24 18:49	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/17/24 18:49	4
Cyclohexane	ND		4.0	0.72	ug/L			09/17/24 18:49	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/17/24 18:49	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/17/24 18:49	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/17/24 18:49	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/17/24 18:49	4
Methyl acetate	ND		10	5.2	ug/L			09/17/24 18:49	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/17/24 18:49	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/17/24 18:49	4
Methylene Chloride	ND		4.0	1.8	ug/L			09/17/24 18:49	4
Styrene	ND		4.0	2.9	ug/L			09/17/24 18:49	4
Tetrachloroethene	ND		4.0	1.4	ug/L			09/17/24 18:49	4
Toluene	ND		4.0	2.0	ug/L			09/17/24 18:49	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/17/24 18:49	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/17/24 18:49	4
Trichloroethene	ND		4.0	1.8	ug/L			09/17/24 18:49	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/17/24 18:49	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/17/24 18:49	4
Xylenes, Total	ND		8.0	2.6	ug/L			09/17/24 18:49	4

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-223414-2**

**Date Collected: 09/16/24 09:15**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		09/17/24 18:49	4
4-Bromofluorobenzene (Surr)	103		73 - 120		09/17/24 18:49	4
Toluene-d8 (Surr)	101		80 - 120		09/17/24 18:49	4
Dibromofluoromethane (Surr)	95		75 - 123		09/17/24 18:49	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:30	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:30	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:30	1
<b>2-Chlorophenol</b>	<b>0.76</b>	<b>J</b>	5.0	0.53	ug/L		09/18/24 09:14	09/19/24 19:30	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 19:30	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:30	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 19:30	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:30	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:30	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 19:30	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 19:30	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 19:30	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 19:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 19:30	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:30	1
<b>Aniline</b>	<b>2.6</b>	<b>J</b>	10	0.61	ug/L		09/18/24 09:14	09/19/24 19:30	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 19:30	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:30	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 19:30	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 19:30	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 19:30	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:30	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:30	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:30	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 19:30	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:30	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 19:30	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-223414-2**

Date Collected: 09/16/24 09:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 19:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 19:30	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 19:30	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 19:30	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:30	1
<b>Di-n-butyl phthalate</b>	<b>0.34</b>	<b>J</b>	5.0	0.31	ug/L		09/18/24 09:14	09/19/24 19:30	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:30	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:30	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:30	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:30	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 19:30	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:30	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:30	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:30	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 19:30	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 19:30	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 19:30	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:30	1
<b>N-Nitrosodiphenylamine</b>	<b>0.75</b>	<b>J</b>	5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:30	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:30	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 19:30	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 19:30	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	107		25 - 144	09/18/24 09:14	09/19/24 19:30	1
2-Fluorobiphenyl	98		53 - 126	09/18/24 09:14	09/19/24 19:30	1
2-Fluorophenol	65		24 - 120	09/18/24 09:14	09/19/24 19:30	1
Nitrobenzene-d5	76		29 - 129	09/18/24 09:14	09/19/24 19:30	1
Phenol-d5	49		10 - 120	09/18/24 09:14	09/19/24 19:30	1
p-Terphenyl-d14	67		33 - 132	09/18/24 09:14	09/19/24 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:10	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Arsenic</b>	<b>0.0059</b>	<b>J</b>	0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Barium</b>	<b>1.6</b>		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:10	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:10	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Calcium</b>	<b>291</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Chromium</b>	<b>0.0010</b>	<b>J</b>	0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:10	1
Cobalt	ND		0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Copper</b>	<b>0.0018</b>	<b>J</b>	0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Iron</b>	<b>2.1</b>		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:10	1
Lead	ND		0.010	0.0030	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Magnesium</b>	<b>42.8</b>		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Manganese</b>	<b>0.58</b>	<b>B</b>	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:10	1
Nickel	ND		0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Potassium</b>	<b>16.6</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:10	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C MW-C04**

**Lab Sample ID: 480-223414-2**

Date Collected: 09/16/24 09:15

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:35	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Sodium</b>	<b>159</b>		1.0	0.32	mg/L		09/18/24 08:20	09/18/24 20:10	1
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:10	1
<b>Vanadium</b>	<b>0.0016</b>	<b>J</b>	0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:10	1
Zinc	ND		0.010	0.0015	mg/L		09/18/24 08:20	09/18/24 20:10	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 12:56	1

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



# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-223414-3**

Date Collected: 09/16/24 10:25

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/17/24 19:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/17/24 19:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/17/24 19:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/17/24 19:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/17/24 19:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/17/24 19:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/17/24 19:11	1
1,2-Dibromo-3-Chloropropane	ND	F1 *+	1.0	0.39	ug/L			09/17/24 19:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/17/24 19:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/17/24 19:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/17/24 19:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/17/24 19:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/17/24 19:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/17/24 19:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/17/24 19:11	1
2-Hexanone	ND		5.0	1.2	ug/L			09/17/24 19:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/17/24 19:11	1
Acetone	ND		10	3.0	ug/L			09/17/24 19:11	1
Benzene	ND		1.0	0.41	ug/L			09/17/24 19:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/17/24 19:11	1
Bromoform	ND		1.0	0.26	ug/L			09/17/24 19:11	1
Bromomethane	ND		1.0	0.69	ug/L			09/17/24 19:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/17/24 19:11	1
Carbon tetrachloride	ND	F1 *+	1.0	0.27	ug/L			09/17/24 19:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/17/24 19:11	1
Chloroethane	ND		1.0	0.32	ug/L			09/17/24 19:11	1
Chloroform	ND		1.0	0.34	ug/L			09/17/24 19:11	1
Chloromethane	ND		1.0	0.35	ug/L			09/17/24 19:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/17/24 19:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/17/24 19:11	1
Cyclohexane	ND		1.0	0.18	ug/L			09/17/24 19:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/17/24 19:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/17/24 19:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/24 19:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/17/24 19:11	1
Methyl acetate	ND		2.5	1.3	ug/L			09/17/24 19:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/17/24 19:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/17/24 19:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/17/24 19:11	1
Styrene	ND		1.0	0.73	ug/L			09/17/24 19:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/17/24 19:11	1
Toluene	ND		1.0	0.51	ug/L			09/17/24 19:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/17/24 19:11	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.37	ug/L			09/17/24 19:11	1
Trichloroethene	ND		1.0	0.46	ug/L			09/17/24 19:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/17/24 19:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/17/24 19:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/24 19:11	1

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-223414-3**

**Date Collected: 09/16/24 10:25**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		09/17/24 19:11	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/17/24 19:11	1
Toluene-d8 (Surr)	98		80 - 120		09/17/24 19:11	1
Dibromofluoromethane (Surr)	94		75 - 123		09/17/24 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 18:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 18:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 18:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 18:37	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 18:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 18:37	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 18:37	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 18:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 18:37	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 18:37	1
Aniline	ND		10	0.61	ug/L		09/18/24 09:14	09/19/24 18:37	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 18:37	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 18:37	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 18:37	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 18:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 18:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 18:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 18:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 18:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 18:37	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 18:37	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 18:37	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-223414-3**

Date Collected: 09/16/24 10:25

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 18:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 18:37	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 18:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 18:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 18:37	1
<b>Di-n-butyl phthalate</b>	<b>0.43</b>	<b>J</b>	5.0	0.31	ug/L		09/18/24 09:14	09/19/24 18:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 18:37	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 18:37	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 18:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 18:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 18:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 18:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 18:37	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 18:37	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 18:37	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 18:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 18:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 18:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 18:37	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 18:37	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 18:37	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 18:37	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		25 - 144	09/18/24 09:14	09/19/24 18:37	1
2-Fluorobiphenyl	100		53 - 126	09/18/24 09:14	09/19/24 18:37	1
2-Fluorophenol	66		24 - 120	09/18/24 09:14	09/19/24 18:37	1
Nitrobenzene-d5	78		29 - 129	09/18/24 09:14	09/19/24 18:37	1
Phenol-d5	50		10 - 120	09/18/24 09:14	09/19/24 18:37	1
p-Terphenyl-d14	89		33 - 132	09/18/24 09:14	09/19/24 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:18	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Arsenic</b>	<b>0.017</b>		0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Barium</b>	<b>0.076</b>		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:18	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:18	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Calcium</b>	<b>269</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:18	1
Chromium	ND		0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Cobalt</b>	<b>0.00081</b>	<b>J</b>	0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Copper</b>	<b>0.0017</b>	<b>J</b>	0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Iron</b>	<b>27.8</b>		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:18	1
Lead	ND	^+	0.010	0.0030	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Magnesium</b>	<b>20.5</b>		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Manganese</b>	<b>0.58</b>	<b>B</b>	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Nickel</b>	<b>0.0021</b>	<b>J</b>	0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Potassium</b>	<b>11.1</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:18	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A**

**Lab Sample ID: 480-223414-3**

Date Collected: 09/16/24 10:25

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:37	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Sodium</b>	<b>78.1</b>		1.0	0.32	mg/L		09/18/24 08:20	09/18/24 20:18	1
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:18	1
Vanadium	ND		0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:18	1
<b>Zinc</b>	<b>0.019</b>		0.010	0.0015	mg/L		09/18/24 08:20	09/18/24 20:18	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 12:57	1

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

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-223414-4**

Date Collected: 09/16/24 12:00

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			09/17/24 19:34	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/17/24 19:34	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/17/24 19:34	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/17/24 19:34	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/17/24 19:34	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/17/24 19:34	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/17/24 19:34	4
1,2-Dibromo-3-Chloropropane	ND	*+	4.0	1.6	ug/L			09/17/24 19:34	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/17/24 19:34	4
<b>1,2-Dichlorobenzene</b>	<b>7.3</b>		4.0	3.2	ug/L			09/17/24 19:34	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/17/24 19:34	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/17/24 19:34	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			09/17/24 19:34	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			09/17/24 19:34	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/17/24 19:34	4
2-Hexanone	ND		20	5.0	ug/L			09/17/24 19:34	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/17/24 19:34	4
Acetone	ND		40	12	ug/L			09/17/24 19:34	4
Benzene	ND		4.0	1.6	ug/L			09/17/24 19:34	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/17/24 19:34	4
Bromoform	ND		4.0	1.0	ug/L			09/17/24 19:34	4
Bromomethane	ND		4.0	2.8	ug/L			09/17/24 19:34	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/17/24 19:34	4
Carbon tetrachloride	ND	*+	4.0	1.1	ug/L			09/17/24 19:34	4
<b>Chlorobenzene</b>	<b>290</b>		4.0	3.0	ug/L			09/17/24 19:34	4
Chloroethane	ND		4.0	1.3	ug/L			09/17/24 19:34	4
Chloroform	ND		4.0	1.4	ug/L			09/17/24 19:34	4
Chloromethane	ND		4.0	1.4	ug/L			09/17/24 19:34	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			09/17/24 19:34	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/17/24 19:34	4
Cyclohexane	ND		4.0	0.72	ug/L			09/17/24 19:34	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/17/24 19:34	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/17/24 19:34	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/17/24 19:34	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/17/24 19:34	4
Methyl acetate	ND		10	5.2	ug/L			09/17/24 19:34	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/17/24 19:34	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/17/24 19:34	4
Methylene Chloride	ND		4.0	1.8	ug/L			09/17/24 19:34	4
Styrene	ND		4.0	2.9	ug/L			09/17/24 19:34	4
Tetrachloroethene	ND		4.0	1.4	ug/L			09/17/24 19:34	4
Toluene	ND		4.0	2.0	ug/L			09/17/24 19:34	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/17/24 19:34	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/17/24 19:34	4
Trichloroethene	ND		4.0	1.8	ug/L			09/17/24 19:34	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/17/24 19:34	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/17/24 19:34	4
Xylenes, Total	ND		8.0	2.6	ug/L			09/17/24 19:34	4

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-223414-4**

**Date Collected: 09/16/24 12:00**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		09/17/24 19:34	4
4-Bromofluorobenzene (Surr)	96		73 - 120		09/17/24 19:34	4
Toluene-d8 (Surr)	100		80 - 120		09/17/24 19:34	4
Dibromofluoromethane (Surr)	92		75 - 123		09/17/24 19:34	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:56	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:56	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:56	1
<b>2-Chlorophenol</b>	<b>1.9</b>	<b>J</b>	5.0	0.53	ug/L		09/18/24 09:14	09/19/24 19:56	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 19:56	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:56	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 19:56	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 19:56	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:56	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 19:56	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 19:56	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 19:56	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 19:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 19:56	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:56	1
Aniline	ND		10	0.61	ug/L		09/18/24 09:14	09/19/24 19:56	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 19:56	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 19:56	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 19:56	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 19:56	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 19:56	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:56	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:56	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 19:56	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 19:56	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 19:56	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-223414-4**

Date Collected: 09/16/24 12:00

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 19:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 19:56	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 19:56	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 19:56	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:56	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/24 09:14	09/19/24 19:56	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:56	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 19:56	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 19:56	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:56	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 19:56	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:56	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 19:56	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 19:56	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 19:56	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 19:56	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 19:56	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 19:56	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 19:56	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 19:56	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 19:56	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 19:56	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	101		25 - 144	09/18/24 09:14	09/19/24 19:56	1
2-Fluorobiphenyl	97		53 - 126	09/18/24 09:14	09/19/24 19:56	1
2-Fluorophenol	64		24 - 120	09/18/24 09:14	09/19/24 19:56	1
Nitrobenzene-d5	76		29 - 129	09/18/24 09:14	09/19/24 19:56	1
Phenol-d5	49		10 - 120	09/18/24 09:14	09/19/24 19:56	1
p-Terphenyl-d14	64		33 - 132	09/18/24 09:14	09/19/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.14	J	0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:27	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:27	1
Arsenic	0.012	J	0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:27	1
Barium	0.14		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:27	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:27	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:27	1
Calcium	242		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:27	1
Chromium	0.0013	J	0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:27	1
Cobalt	ND		0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:27	1
Copper	0.0020	J	0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:27	1
Iron	2.0		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:27	1
Lead	0.0031	J	0.010	0.0030	mg/L		09/18/24 08:20	09/19/24 17:53	1
Magnesium	34.0		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:27	1
Manganese	0.12	B	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:27	1
Nickel	ND		0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:27	1
Potassium	8.4		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:27	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-223414-4**

Date Collected: 09/16/24 12:00

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:53	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:27	1
<b>Sodium</b>	<b>94.6</b>		1.0	0.32	mg/L		09/18/24 08:20	09/18/24 20:27	1
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:27	1
<b>Vanadium</b>	<b>0.0022</b>	<b>J</b>	0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:27	1
Zinc	ND		0.010	0.0015	mg/L		09/18/24 08:20	09/18/24 20:27	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 13:02	1



# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A D**

**Lab Sample ID: 480-223414-5**

Date Collected: 09/16/24 10:30

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/17/24 19:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/17/24 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/17/24 19:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/17/24 19:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/17/24 19:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/17/24 19:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/17/24 19:56	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			09/17/24 19:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/17/24 19:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/17/24 19:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/17/24 19:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/17/24 19:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/17/24 19:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/17/24 19:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/17/24 19:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/17/24 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/17/24 19:56	1
Acetone	ND		10	3.0	ug/L			09/17/24 19:56	1
Benzene	ND		1.0	0.41	ug/L			09/17/24 19:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/17/24 19:56	1
Bromoform	ND		1.0	0.26	ug/L			09/17/24 19:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/17/24 19:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/17/24 19:56	1
Carbon tetrachloride	ND	*+	1.0	0.27	ug/L			09/17/24 19:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/17/24 19:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/17/24 19:56	1
Chloroform	ND		1.0	0.34	ug/L			09/17/24 19:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/17/24 19:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/17/24 19:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/17/24 19:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/17/24 19:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/17/24 19:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/17/24 19:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/24 19:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/17/24 19:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/17/24 19:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/17/24 19:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/17/24 19:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/17/24 19:56	1
Styrene	ND		1.0	0.73	ug/L			09/17/24 19:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/17/24 19:56	1
Toluene	ND		1.0	0.51	ug/L			09/17/24 19:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/17/24 19:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/17/24 19:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/17/24 19:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/17/24 19:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/17/24 19:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/24 19:56	1

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A D**

**Lab Sample ID: 480-223414-5**

**Date Collected: 09/16/24 10:30**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		09/17/24 19:56	1
4-Bromofluorobenzene (Surr)	94		73 - 120		09/17/24 19:56	1
Toluene-d8 (Surr)	95		80 - 120		09/17/24 19:56	1
Dibromofluoromethane (Surr)	92		75 - 123		09/17/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 20:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 20:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 20:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 20:23	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 20:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 20:23	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 20:23	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 20:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 20:23	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 20:23	1
Aniline	ND		10	0.61	ug/L		09/18/24 09:14	09/19/24 20:23	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 20:23	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 20:23	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 20:23	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 20:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 20:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 20:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 20:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 20:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 20:23	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 20:23	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 20:23	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A D**

**Lab Sample ID: 480-223414-5**

Date Collected: 09/16/24 10:30

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 20:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 20:23	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 20:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 20:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 20:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/24 09:14	09/19/24 20:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 20:23	1
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 20:23	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 20:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 20:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 20:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 20:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 20:23	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 20:23	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 20:23	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 20:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 20:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 20:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 20:23	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 20:23	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 20:23	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 20:23	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	107		25 - 144	09/18/24 09:14	09/19/24 20:23	1
2-Fluorobiphenyl	104		53 - 126	09/18/24 09:14	09/19/24 20:23	1
2-Fluorophenol	69		24 - 120	09/18/24 09:14	09/19/24 20:23	1
Nitrobenzene-d5	81		29 - 129	09/18/24 09:14	09/19/24 20:23	1
Phenol-d5	52		10 - 120	09/18/24 09:14	09/19/24 20:23	1
p-Terphenyl-d14	85		33 - 132	09/18/24 09:14	09/19/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:29	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Arsenic</b>	<b>0.019</b>		0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Barium</b>	<b>0.077</b>		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:29	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:29	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Calcium</b>	<b>270</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Chromium</b>	<b>0.0012</b>	<b>J</b>	0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Cobalt</b>	<b>0.00093</b>	<b>J</b>	0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Copper</b>	<b>0.0018</b>	<b>J</b>	0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Iron</b>	<b>28.0</b>		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:29	1
Lead	ND		0.010	0.0030	mg/L		09/18/24 08:20	09/19/24 17:54	1
<b>Magnesium</b>	<b>20.6</b>		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Manganese</b>	<b>0.58</b>	<b>B</b>	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Nickel</b>	<b>0.0021</b>	<b>J</b>	0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Potassium</b>	<b>11.2</b>		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:29	1

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# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C RFI-20A D**

**Lab Sample ID: 480-223414-5**

Date Collected: 09/16/24 10:30

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:54	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Sodium</b>	<b>78.9</b>		1.0	0.32	mg/L		09/18/24 08:20	09/18/24 20:29	1
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:29	1
Vanadium	ND		0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:29	1
<b>Zinc</b>	<b>0.019</b>		0.010	0.0015	mg/L		09/18/24 08:20	09/18/24 20:29	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 13:04	1

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

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-223414-6**

Date Collected: 09/16/24 10:35

Matrix: Water

Date Received: 09/16/24 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/17/24 20:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/17/24 20:18	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/17/24 20:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/17/24 20:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/17/24 20:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/17/24 20:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/17/24 20:18	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			09/17/24 20:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/17/24 20:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/17/24 20:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/17/24 20:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/17/24 20:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/17/24 20:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/17/24 20:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/17/24 20:18	1
2-Hexanone	ND		5.0	1.2	ug/L			09/17/24 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/17/24 20:18	1
Acetone	ND		10	3.0	ug/L			09/17/24 20:18	1
Benzene	ND		1.0	0.41	ug/L			09/17/24 20:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/17/24 20:18	1
Bromoform	ND		1.0	0.26	ug/L			09/17/24 20:18	1
Bromomethane	ND		1.0	0.69	ug/L			09/17/24 20:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/17/24 20:18	1
Carbon tetrachloride	ND	*+	1.0	0.27	ug/L			09/17/24 20:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/17/24 20:18	1
Chloroethane	ND		1.0	0.32	ug/L			09/17/24 20:18	1
Chloroform	ND		1.0	0.34	ug/L			09/17/24 20:18	1
Chloromethane	ND		1.0	0.35	ug/L			09/17/24 20:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/17/24 20:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/17/24 20:18	1
Cyclohexane	ND		1.0	0.18	ug/L			09/17/24 20:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/17/24 20:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/17/24 20:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/24 20:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/17/24 20:18	1
Methyl acetate	ND		2.5	1.3	ug/L			09/17/24 20:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/17/24 20:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/17/24 20:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/17/24 20:18	1
Styrene	ND		1.0	0.73	ug/L			09/17/24 20:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/17/24 20:18	1
Toluene	ND		1.0	0.51	ug/L			09/17/24 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/17/24 20:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/17/24 20:18	1
Trichloroethene	ND		1.0	0.46	ug/L			09/17/24 20:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/17/24 20:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/17/24 20:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/24 20:18	1

# Client Sample Results

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

Job ID: 480-223414-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-223414-6**

**Date Collected: 09/16/24 10:35**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		09/17/24 20:18	1
4-Bromofluorobenzene (Surr)	96		73 - 120		09/17/24 20:18	1
Toluene-d8 (Surr)	100		80 - 120		09/17/24 20:18	1
Dibromofluoromethane (Surr)	96		75 - 123		09/17/24 20:18	1



# Surrogate Summary

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

Job ID: 480-223414-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-223414-1	BCC Area C RFI-31A	99	96	97	97
480-223414-2	BCC Area C MW-C04	94	103	101	95
480-223414-3	BCC Area C RFI-20A	97	98	98	94
480-223414-3 MS	BCC Area C RFI-20A MS	95	99	97	92
480-223414-3 MSD	BCC Area C RFI-20A MSD	97	98	100	89
480-223414-4	BCC Area C PS-05A	95	96	100	92
480-223414-5	BCC Area C RFI-20A D	96	94	95	92
480-223414-6	TRIP BLANK	100	96	100	96
LCS 480-725312/6	Lab Control Sample	97	100	98	93
MB 480-725312/8	Method Blank	93	100	98	96

### Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (25-144)	FBP (53-126)	2FP (24-120)	NBZ (29-129)	PHL (10-120)	TPHd14 (33-132)
480-223414-1	BCC Area C RFI-31A	111	101	65	80	49	73
480-223414-2	BCC Area C MW-C04	107	98	65	76	49	67
480-223414-3	BCC Area C RFI-20A	103	100	66	78	50	89
480-223414-3 MS	BCC Area C RFI-20A MS	104	101	71	89	58	72
480-223414-3 MSD	BCC Area C RFI-20A MSD	104	105	72	88	58	71
480-223414-4	BCC Area C PS-05A	101	97	64	76	49	64
480-223414-5	BCC Area C RFI-20A D	107	104	69	81	52	85
LCS 480-725456/2-A	Lab Control Sample	99	92	65	82	52	91
MB 480-725456/1-A	Method Blank	101	99	66	78	49	98

### Surrogate Legend

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

# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: MB 480-725312/8**  
**Matrix: Water**  
**Analysis Batch: 725312**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/17/24 11:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/17/24 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/17/24 11:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/17/24 11:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/17/24 11:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/17/24 11:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/17/24 11:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/17/24 11:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/17/24 11:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/17/24 11:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/17/24 11:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/17/24 11:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/17/24 11:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/17/24 11:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/17/24 11:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/17/24 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/17/24 11:56	1
Acetone	ND		10	3.0	ug/L			09/17/24 11:56	1
Benzene	ND		1.0	0.41	ug/L			09/17/24 11:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/17/24 11:56	1
Bromoform	ND		1.0	0.26	ug/L			09/17/24 11:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/17/24 11:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/17/24 11:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/17/24 11:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/17/24 11:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/17/24 11:56	1
Chloroform	ND		1.0	0.34	ug/L			09/17/24 11:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/17/24 11:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/17/24 11:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/17/24 11:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/17/24 11:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/17/24 11:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/17/24 11:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/24 11:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/17/24 11:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/17/24 11:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/17/24 11:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/17/24 11:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/17/24 11:56	1
Styrene	ND		1.0	0.73	ug/L			09/17/24 11:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/17/24 11:56	1
Toluene	ND		1.0	0.51	ug/L			09/17/24 11:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/17/24 11:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/17/24 11:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/17/24 11:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/17/24 11:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/17/24 11:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/24 11:56	1

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: MB 480-725312/8**  
**Matrix: Water**  
**Analysis Batch: 725312**

**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		09/17/24 11:56	1
4-Bromofluorobenzene (Surr)	100		73 - 120		09/17/24 11:56	1
Toluene-d8 (Surr)	98		80 - 120		09/17/24 11:56	1
Dibromofluoromethane (Surr)	96		75 - 123		09/17/24 11:56	1

**Lab Sample ID: LCS 480-725312/6**  
**Matrix: Water**  
**Analysis Batch: 725312**

**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	27.8		ug/L		111	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3		ug/L		97	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	22.7		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	22.0		ug/L		88	66 - 127
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	37.9	*+	ug/L		151	56 - 134
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	22.6		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.2		ug/L		89	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		96	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	38.1	*+	ug/L		152	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	22.4		ug/L		89	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	22.9		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	21.9		ug/L		88	59 - 135
Dibromochloromethane	25.0	30.1		ug/L		120	75 - 125
Dichlorodifluoromethane	25.0	24.3		ug/L		97	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	47.5		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		88	77 - 120
Methylcyclohexane	25.0	23.2		ug/L		93	68 - 134

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: LCS 480-725312/6**

**Matrix: Water**

**Analysis Batch: 725312**

**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	23.9		ug/L		96	75 - 124
Styrene	25.0	23.0		ug/L		92	80 - 120
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	29.5		ug/L		118	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133
Xylenes, Total	50.0	44.0		ug/L		88	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

**Lab Sample ID: 480-223414-3 MS**

**Matrix: Water**

**Analysis Batch: 725312**

**Client Sample ID: BCC Area C RFI-20A MS**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	29.9		ug/L		120	73 - 126
1,1,1,2-Tetrachloroethane	ND		25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.4		ug/L		98	61 - 148
1,1,2-Trichloroethane	ND		25.0	25.7		ug/L		103	76 - 122
1,1-Dichloroethane	ND		25.0	24.7		ug/L		99	77 - 120
1,1-Dichloroethene	ND		25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.9		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	ND	F1 *+	25.0	36.1	F1	ug/L		145	56 - 134
1,2-Dibromoethane	ND		25.0	27.9		ug/L		112	77 - 120
1,2-Dichlorobenzene	ND		25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	ND		25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	ND		25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	ND		25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	ND		25.0	23.4		ug/L		94	78 - 124
2-Butanone (MEK)	ND		125	125		ug/L		100	57 - 140
2-Hexanone	ND		125	122		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	124		ug/L		99	71 - 125
Acetone	ND		125	113		ug/L		91	56 - 142
Benzene	ND		25.0	24.6		ug/L		99	71 - 124
Bromodichloromethane	ND		25.0	27.6		ug/L		110	80 - 122
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132
Bromomethane	ND		25.0	27.4		ug/L		110	55 - 144
Carbon disulfide	ND		25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	ND	F1 *+	25.0	39.7	F1	ug/L		159	72 - 134
Chlorobenzene	ND		25.0	25.6		ug/L		102	80 - 120
Chloroethane	ND		25.0	24.8		ug/L		99	69 - 136

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: 480-223414-3 MS**

**Client Sample ID: BCC Area C RFI-20A MS**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 725312**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chloroform	ND		25.0	22.9		ug/L		92	73 - 127
Chloromethane	ND		25.0	24.4		ug/L		97	68 - 124
cis-1,2-Dichloroethene	ND		25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.6		ug/L		110	74 - 124
Cyclohexane	ND		25.0	24.2		ug/L		97	59 - 135
Dibromochloromethane	ND		25.0	30.7		ug/L		123	75 - 125
Dichlorodifluoromethane	ND		25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	ND		25.0	25.8		ug/L		103	77 - 123
Isopropylbenzene	ND		25.0	25.2		ug/L		101	77 - 122
Methyl acetate	ND		50.0	43.2		ug/L		86	74 - 133
Methyl tert-butyl ether	ND		25.0	22.2		ug/L		89	77 - 120
Methylcyclohexane	ND		25.0	24.9		ug/L		99	68 - 134
Methylene Chloride	ND		25.0	24.7		ug/L		99	75 - 124
Styrene	ND		25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	ND		25.0	27.2		ug/L		109	74 - 122
Toluene	ND		25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	30.7	F1	ug/L		123	80 - 120
Trichloroethene	ND		25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	ND		25.0	30.9		ug/L		124	62 - 150
Vinyl chloride	ND		25.0	27.2		ug/L		109	65 - 133
Xylenes, Total	ND		50.0	48.8		ug/L		98	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	92		75 - 123

**Lab Sample ID: 480-223414-3 MSD**

**Client Sample ID: BCC Area C RFI-20A MSD**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 725312**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	30.4		ug/L		122	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.6		ug/L		103	76 - 120	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.0		ug/L		96	61 - 148	2	20
1,1,2-Trichloroethane	ND		25.0	24.7		ug/L		99	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	24.6		ug/L		98	77 - 120	0	20
1,1-Dichloroethene	ND		25.0	23.7		ug/L		95	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND	F1 *+	25.0	38.3	F1	ug/L		153	56 - 134	6	15
1,2-Dibromoethane	ND		25.0	27.6		ug/L		110	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	24.2		ug/L		97	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	25.9		ug/L		104	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	26.1		ug/L		104	76 - 120	9	20
1,3-Dichlorobenzene	ND		25.0	25.0		ug/L		100	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	23.9		ug/L		96	78 - 124	2	20

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: 480-223414-3 MSD**

**Client Sample ID: BCC Area C RFI-20A MSD**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 725312**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
2-Butanone (MEK)	ND		125	129		ug/L		104	57 - 140	4	20
2-Hexanone	ND		125	123		ug/L		98	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		125	123		ug/L		99	71 - 125	1	35
Acetone	ND		125	108		ug/L		86	56 - 142	5	15
Benzene	ND		25.0	25.0		ug/L		100	71 - 124	1	13
Bromodichloromethane	ND		25.0	27.9		ug/L		112	80 - 122	1	15
Bromoform	ND		25.0	27.1		ug/L		108	61 - 132	7	15
Bromomethane	ND		25.0	28.8		ug/L		115	55 - 144	5	15
Carbon disulfide	ND		25.0	21.8		ug/L		87	59 - 134	2	15
Carbon tetrachloride	ND	F1 *+	25.0	41.0	F1	ug/L		164	72 - 134	3	15
Chlorobenzene	ND		25.0	25.3		ug/L		101	80 - 120	1	25
Chloroethane	ND		25.0	24.7		ug/L		99	69 - 136	0	15
Chloroform	ND		25.0	23.2		ug/L		93	73 - 127	2	20
Chloromethane	ND		25.0	25.8		ug/L		103	68 - 124	6	15
cis-1,2-Dichloroethene	ND		25.0	23.8		ug/L		95	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	28.5		ug/L		114	74 - 124	3	15
Cyclohexane	ND		25.0	24.0		ug/L		96	59 - 135	1	20
Dibromochloromethane	ND		25.0	29.7		ug/L		119	75 - 125	3	15
Dichlorodifluoromethane	ND		25.0	25.2		ug/L		101	59 - 135	1	20
Ethylbenzene	ND		25.0	25.9		ug/L		103	77 - 123	0	15
Isopropylbenzene	ND		25.0	25.2		ug/L		101	77 - 122	0	20
Methyl acetate	ND		50.0	44.1		ug/L		88	74 - 133	2	20
Methyl tert-butyl ether	ND		25.0	22.6		ug/L		90	77 - 120	2	37
Methylcyclohexane	ND		25.0	24.3		ug/L		97	68 - 134	2	20
Methylene Chloride	ND		25.0	24.5		ug/L		98	75 - 124	1	15
Styrene	ND		25.0	24.0		ug/L		96	80 - 120	2	20
Tetrachloroethene	ND		25.0	26.7		ug/L		107	74 - 122	2	20
Toluene	ND		25.0	26.4		ug/L		105	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	24.4		ug/L		98	73 - 127	3	20
trans-1,3-Dichloropropene	ND	F1	25.0	31.2	F1	ug/L		125	80 - 120	2	15
Trichloroethene	ND		25.0	26.4		ug/L		105	74 - 123	5	16
Trichlorofluoromethane	ND		25.0	32.2		ug/L		129	62 - 150	4	20
Vinyl chloride	ND		25.0	27.8		ug/L		111	65 - 133	2	15
Xylenes, Total	ND		50.0	48.6		ug/L		97	76 - 122	0	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

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

**Lab Sample ID: MB 480-725456/1-A**

**Client Sample ID: Method Blank**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 725593**

**Prep Batch: 725456**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 16:51	1

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: MB 480-725456/1-A**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/18/24 09:14	09/19/24 16:51	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 16:51	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/18/24 09:14	09/19/24 16:51	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 16:51	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 16:51	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Nitroaniline	ND		10	0.42	ug/L		09/18/24 09:14	09/19/24 16:51	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/18/24 09:14	09/19/24 16:51	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 16:51	1
3-Nitroaniline	ND		10	0.48	ug/L		09/18/24 09:14	09/19/24 16:51	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Methylphenol	ND		10	0.36	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Nitroaniline	ND		10	0.25	ug/L		09/18/24 09:14	09/19/24 16:51	1
4-Nitrophenol	ND		10	1.5	ug/L		09/18/24 09:14	09/19/24 16:51	1
Acenaphthene	ND		5.0	0.41	ug/L		09/18/24 09:14	09/19/24 16:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/18/24 09:14	09/19/24 16:51	1
Acetophenone	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 16:51	1
Aniline	ND		10	0.61	ug/L		09/18/24 09:14	09/19/24 16:51	1
Anthracene	ND		5.0	0.28	ug/L		09/18/24 09:14	09/19/24 16:51	1
Atrazine	ND		5.0	0.46	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzaldehyde	ND		5.0	0.27	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 16:51	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		09/18/24 09:14	09/19/24 16:51	1
Biphenyl	ND		5.0	0.65	ug/L		09/18/24 09:14	09/19/24 16:51	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/18/24 09:14	09/19/24 16:51	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/18/24 09:14	09/19/24 16:51	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 16:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 16:51	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/18/24 09:14	09/19/24 16:51	1
Caprolactam	ND		5.0	2.2	ug/L		09/18/24 09:14	09/19/24 16:51	1
Carbazole	ND		5.0	0.30	ug/L		09/18/24 09:14	09/19/24 16:51	1
Chrysene	ND		5.0	0.33	ug/L		09/18/24 09:14	09/19/24 16:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/18/24 09:14	09/19/24 16:51	1
Dibenzofuran	ND		10	0.51	ug/L		09/18/24 09:14	09/19/24 16:51	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/18/24 09:14	09/19/24 16:51	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 16:51	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/18/24 09:14	09/19/24 16:51	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 16:51	1

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: MB 480-725456/1-A**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	ND		5.0	0.40	ug/L		09/18/24 09:14	09/19/24 16:51	1
Fluorene	ND		5.0	0.36	ug/L		09/18/24 09:14	09/19/24 16:51	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 16:51	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/18/24 09:14	09/19/24 16:51	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 16:51	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/18/24 09:14	09/19/24 16:51	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		09/18/24 09:14	09/19/24 16:51	1
Isophorone	ND		5.0	0.43	ug/L		09/18/24 09:14	09/19/24 16:51	1
Naphthalene	ND		5.0	0.76	ug/L		09/18/24 09:14	09/19/24 16:51	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/18/24 09:14	09/19/24 16:51	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/18/24 09:14	09/19/24 16:51	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/18/24 09:14	09/19/24 16:51	1
Pentachlorophenol	ND		10	2.2	ug/L		09/18/24 09:14	09/19/24 16:51	1
Phenanthrene	ND		5.0	0.44	ug/L		09/18/24 09:14	09/19/24 16:51	1
Phenol	ND		5.0	0.39	ug/L		09/18/24 09:14	09/19/24 16:51	1
Pyrene	ND		5.0	0.34	ug/L		09/18/24 09:14	09/19/24 16:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	101		25 - 144	09/18/24 09:14	09/19/24 16:51	1
2-Fluorobiphenyl	99		53 - 126	09/18/24 09:14	09/19/24 16:51	1
2-Fluorophenol	66		24 - 120	09/18/24 09:14	09/19/24 16:51	1
Nitrobenzene-d5	78		29 - 129	09/18/24 09:14	09/19/24 16:51	1
Phenol-d5	49		10 - 120	09/18/24 09:14	09/19/24 16:51	1
p-Terphenyl-d14	98		33 - 132	09/18/24 09:14	09/19/24 16:51	1

**Lab Sample ID: LCS 480-725456/2-A**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,6-Trichlorophenol	32.0	30.8		ug/L		96	64 - 120
2,4-Dichlorophenol	32.0	29.9		ug/L		93	63 - 120
2,4-Dimethylphenol	32.0	27.8		ug/L		87	47 - 120
2,4-Dinitrophenol	64.0	66.6		ug/L		104	31 - 137
2,4-Dinitrotoluene	32.0	31.4		ug/L		98	69 - 120
2,6-Dinitrotoluene	32.0	31.7		ug/L		99	68 - 120
2-Chloronaphthalene	32.0	29.0		ug/L		91	58 - 120
2-Chlorophenol	32.0	27.5		ug/L		86	48 - 120
2-Methylnaphthalene	32.0	28.7		ug/L		90	59 - 120
2-Methylphenol	32.0	28.1		ug/L		88	39 - 120
2-Nitroaniline	32.0	28.9		ug/L		90	54 - 127
2-Nitrophenol	32.0	28.3		ug/L		88	52 - 125
3,3'-Dichlorobenzidine	32.0	28.5		ug/L		89	49 - 135
3-Nitroaniline	32.0	29.4		ug/L		92	51 - 120
4,6-Dinitro-2-methylphenol	64.0	64.1		ug/L		100	46 - 136
4-Bromophenyl phenyl ether	32.0	31.7		ug/L		99	65 - 120
4-Chloro-3-methylphenol	32.0	30.3		ug/L		95	61 - 123

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: LCS 480-725456/2-A**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloroaniline	32.0	20.8		ug/L		65	30 - 120
4-Chlorophenyl phenyl ether	32.0	31.3		ug/L		98	62 - 120
4-Methylphenol	32.0	27.0		ug/L		85	29 - 131
4-Nitroaniline	32.0	31.8		ug/L		99	65 - 120
4-Nitrophenol	64.0	46.5		ug/L		73	45 - 120
Acenaphthene	32.0	30.6		ug/L		96	60 - 120
Acenaphthylene	32.0	31.1		ug/L		97	63 - 120
Acetophenone	32.0	29.0		ug/L		90	45 - 120
Aniline	32.0	16.7		ug/L		52	12 - 120
Anthracene	32.0	32.4		ug/L		101	67 - 120
Atrazine	64.0	66.3		ug/L		104	71 - 130
Benzaldehyde	64.0	50.6		ug/L		79	10 - 140
Benzo(a)anthracene	32.0	31.2		ug/L		97	70 - 121
Benzo(a)pyrene	32.0	32.0		ug/L		100	60 - 123
Benzo(b)fluoranthene	32.0	30.4		ug/L		95	66 - 126
Benzo(g,h,i)perylene	32.0	35.0		ug/L		109	66 - 150
Benzo(k)fluoranthene	32.0	29.2		ug/L		91	65 - 124
Biphenyl	32.0	29.8		ug/L		93	59 - 120
bis (2-chloroisopropyl) ether	32.0	24.8		ug/L		77	21 - 136
Bis(2-chloroethoxy)methane	32.0	28.6		ug/L		90	50 - 128
Bis(2-chloroethyl)ether	32.0	29.6		ug/L		92	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	29.3		ug/L		92	63 - 139
Butyl benzyl phthalate	32.0	29.2		ug/L		91	70 - 129
Caprolactam	64.0	20.8		ug/L		32	22 - 120
Carbazole	32.0	36.8		ug/L		115	66 - 123
Chrysene	32.0	31.2		ug/L		97	69 - 120
Dibenz(a,h)anthracene	32.0	35.6		ug/L		111	65 - 135
Dibenzofuran	32.0	30.5		ug/L		95	66 - 120
Diethyl phthalate	32.0	32.4		ug/L		101	59 - 127
Dimethyl phthalate	32.0	31.7		ug/L		99	68 - 120
Di-n-butyl phthalate	32.0	32.0		ug/L		100	69 - 131
Di-n-octyl phthalate	32.0	29.9		ug/L		93	63 - 140
Fluoranthene	32.0	32.2		ug/L		101	69 - 126
Fluorene	32.0	31.7		ug/L		99	66 - 120
Hexachlorobenzene	32.0	32.3		ug/L		101	61 - 120
Hexachlorobutadiene	32.0	26.5		ug/L		83	35 - 120
Hexachlorocyclopentadiene	32.0	22.9		ug/L		72	31 - 120
Hexachloroethane	32.0	24.7		ug/L		77	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	35.1		ug/L		110	69 - 146
Isophorone	32.0	29.4		ug/L		92	55 - 120
Naphthalene	32.0	28.4		ug/L		89	57 - 120
Nitrobenzene	32.0	27.3		ug/L		85	53 - 123
N-Nitrosodi-n-propylamine	32.0	27.7		ug/L		87	32 - 140
N-Nitrosodiphenylamine	32.0	30.6		ug/L		96	61 - 120
Pentachlorophenol	64.0	56.7		ug/L		89	10 - 136
Phenanthrene	32.0	30.3		ug/L		95	68 - 120
Phenol	32.0	17.5		ug/L		55	17 - 120
Pyrene	32.0	30.7		ug/L		96	70 - 125

# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: LCS 480-725456/2-A**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	99		25 - 144
2-Fluorobiphenyl	92		53 - 126
2-Fluorophenol	65		24 - 120
Nitrobenzene-d5	82		29 - 129
Phenol-d5	52		10 - 120
p-Terphenyl-d14	91		33 - 132

**Lab Sample ID: 480-223414-3 MS**  
**Matrix: Water**  
**Analysis Batch: 725593**

**Client Sample ID: BCC Area C RFI-20A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 725456**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
2,4,5-Trichlorophenol	ND		32.0	35.5		ug/L		111	65 - 126
2,4,6-Trichlorophenol	ND		32.0	35.8		ug/L		112	64 - 120
2,4-Dichlorophenol	ND		32.0	32.9		ug/L		103	48 - 132
2,4-Dimethylphenol	ND		32.0	31.4		ug/L		98	39 - 130
2,4-Dinitrophenol	ND		64.0	70.3		ug/L		110	21 - 150
2,4-Dinitrotoluene	ND		32.0	33.1		ug/L		103	54 - 138
2,6-Dinitrotoluene	ND		32.0	33.3		ug/L		104	17 - 150
2-Chloronaphthalene	ND		32.0	31.7		ug/L		99	52 - 124
2-Chlorophenol	ND		32.0	30.5		ug/L		95	48 - 120
2-Methylnaphthalene	ND		32.0	30.7		ug/L		96	34 - 140
2-Methylphenol	ND		32.0	31.4		ug/L		98	46 - 120
2-Nitroaniline	ND		32.0	30.4		ug/L		95	44 - 136
2-Nitrophenol	ND		32.0	30.4		ug/L		95	38 - 141
3,3'-Dichlorobenzidine	ND		32.0	21.8		ug/L		68	10 - 150
3-Nitroaniline	ND		32.0	27.0		ug/L		85	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	70.9		ug/L		111	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	34.0		ug/L		106	63 - 126
4-Chloro-3-methylphenol	ND		32.0	32.8		ug/L		102	64 - 127
4-Chloroaniline	ND		32.0	20.8		ug/L		65	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	33.2		ug/L		104	61 - 120
4-Methylphenol	ND		32.0	29.7		ug/L		93	36 - 120
4-Nitroaniline	ND		32.0	38.3		ug/L		120	32 - 150
4-Nitrophenol	ND		64.0	51.9		ug/L		81	23 - 132
Acenaphthene	ND		32.0	33.1		ug/L		103	48 - 120
Acenaphthylene	ND		32.0	33.7		ug/L		105	63 - 120
Acetophenone	ND		32.0	31.2		ug/L		97	53 - 120
Aniline	ND		32.0	17.5		ug/L		55	32 - 120
Anthracene	ND		32.0	33.5		ug/L		105	65 - 122
Atrazine	ND		64.0	69.2		ug/L		108	50 - 150
Benzaldehyde	ND		64.0	54.1		ug/L		84	10 - 150
Benzo(a)anthracene	ND		32.0	30.3		ug/L		95	43 - 124
Benzo(a)pyrene	ND		32.0	29.2		ug/L		91	23 - 125
Benzo(b)fluoranthene	ND		32.0	27.8		ug/L		87	27 - 127
Benzo(g,h,i)perylene	ND		32.0	30.2		ug/L		94	16 - 147
Benzo(k)fluoranthene	ND		32.0	32.6		ug/L		102	20 - 124
Biphenyl	ND		32.0	32.1		ug/L		100	57 - 120

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: 480-223414-3 MS**

**Matrix: Water**

**Analysis Batch: 725593**

**Client Sample ID: BCC Area C RFI-20A MS**

**Prep Type: Total/NA**

**Prep Batch: 725456**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
bis (2-chloroisopropyl) ether	ND		32.0	27.6		ug/L		86		28 - 121
Bis(2-chloroethoxy)methane	ND		32.0	30.9		ug/L		97		44 - 128
Bis(2-chloroethyl)ether	ND		32.0	32.9		ug/L		103		45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	24.7		ug/L		77		16 - 150
Butyl benzyl phthalate	ND		32.0	30.2		ug/L		94		51 - 140
Caprolactam	ND		64.0	23.2		ug/L		36		10 - 120
Carbazole	ND		32.0	43.3		ug/L		135		16 - 148
Chrysene	ND		32.0	30.1		ug/L		94		44 - 122
Dibenz(a,h)anthracene	ND		32.0	30.6		ug/L		96		16 - 139
Dibenzofuran	ND		32.0	33.0		ug/L		103		60 - 120
Diethyl phthalate	ND		32.0	33.4		ug/L		104		53 - 133
Dimethyl phthalate	ND		32.0	34.4		ug/L		107		59 - 123
Di-n-butyl phthalate	0.43	J	32.0	33.0		ug/L		102		65 - 129
Di-n-octyl phthalate	ND		32.0	25.3		ug/L		79		16 - 150
Fluoranthene	ND		32.0	34.4		ug/L		107		63 - 129
Fluorene	ND		32.0	33.5		ug/L		105		62 - 120
Hexachlorobenzene	ND		32.0	33.8		ug/L		106		57 - 121
Hexachlorobutadiene	ND		32.0	28.1		ug/L		88		37 - 120
Hexachlorocyclopentadiene	ND		32.0	27.0		ug/L		84		21 - 120
Hexachloroethane	ND		32.0	27.5		ug/L		86		16 - 130
Indeno(1,2,3-cd)pyrene	ND		32.0	30.2		ug/L		94		16 - 140
Isophorone	ND		32.0	31.9		ug/L		100		48 - 133
Naphthalene	ND		32.0	30.7		ug/L		96		45 - 120
Nitrobenzene	ND		32.0	30.1		ug/L		94		45 - 123
N-Nitrosodi-n-propylamine	ND		32.0	30.4		ug/L		95		49 - 120
N-Nitrosodiphenylamine	ND		32.0	32.5		ug/L		102		39 - 138
Pentachlorophenol	ND		64.0	72.0		ug/L		113		10 - 149
Phenanthrene	ND		32.0	36.9		ug/L		115		65 - 122
Phenol	ND		32.0	19.0		ug/L		59		16 - 120
Pyrene	ND		32.0	32.2		ug/L		101		58 - 128

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	104		25 - 144
2-Fluorobiphenyl	101		53 - 126
2-Fluorophenol	71		24 - 120
Nitrobenzene-d5	89		29 - 129
Phenol-d5	58		10 - 120
p-Terphenyl-d14	72		33 - 132

**Lab Sample ID: 480-223414-3 MSD**

**Matrix: Water**

**Analysis Batch: 725593**

**Client Sample ID: BCC Area C RFI-20A MSD**

**Prep Type: Total/NA**

**Prep Batch: 725456**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
2,4,5-Trichlorophenol	ND		32.0	36.6		ug/L		115		65 - 126	3	18
2,4,6-Trichlorophenol	ND		32.0	36.8		ug/L		115		64 - 120	3	19
2,4-Dichlorophenol	ND		32.0	33.3		ug/L		104		48 - 132	1	19
2,4-Dimethylphenol	ND		32.0	31.9		ug/L		100		39 - 130	1	42

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: 480-223414-3 MSD**

**Matrix: Water**

**Analysis Batch: 725593**

**Client Sample ID: BCC Area C RFI-20A MSD**

**Prep Type: Total/NA**

**Prep Batch: 725456**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2,4-Dinitrophenol	ND		64.0	73.6		ug/L		115	21 - 150	5	22
2,4-Dinitrotoluene	ND		32.0	34.8		ug/L		109	54 - 138	5	20
2,6-Dinitrotoluene	ND		32.0	35.3		ug/L		110	17 - 150	6	15
2-Chloronaphthalene	ND		32.0	33.2		ug/L		104	52 - 124	5	21
2-Chlorophenol	ND		32.0	31.0		ug/L		97	48 - 120	1	25
2-Methylnaphthalene	ND		32.0	31.9		ug/L		100	34 - 140	4	21
2-Methylphenol	ND		32.0	32.0		ug/L		100	46 - 120	2	27
2-Nitroaniline	ND		32.0	30.7		ug/L		96	44 - 136	1	15
2-Nitrophenol	ND		32.0	32.0		ug/L		100	38 - 141	5	18
3,3'-Dichlorobenzidine	ND		32.0	22.3		ug/L		70	10 - 150	2	25
3-Nitroaniline	ND		32.0	28.7		ug/L		90	32 - 150	6	19
4,6-Dinitro-2-methylphenol	ND		64.0	74.1		ug/L		116	38 - 150	5	15
4-Bromophenyl phenyl ether	ND		32.0	34.2		ug/L		107	63 - 126	1	15
4-Chloro-3-methylphenol	ND		32.0	33.6		ug/L		105	64 - 127	3	27
4-Chloroaniline	ND		32.0	21.7		ug/L		68	16 - 124	4	22
4-Chlorophenyl phenyl ether	ND		32.0	34.7		ug/L		109	61 - 120	4	16
4-Methylphenol	ND		32.0	30.4		ug/L		95	36 - 120	2	24
4-Nitroaniline	ND		32.0	32.4		ug/L		101	32 - 150	17	24
4-Nitrophenol	ND		64.0	50.1		ug/L		78	23 - 132	4	48
Acenaphthene	ND		32.0	34.5		ug/L		108	48 - 120	4	24
Acenaphthylene	ND		32.0	35.2		ug/L		110	63 - 120	4	18
Acetophenone	ND		32.0	32.2		ug/L		100	53 - 120	3	20
Aniline	ND		32.0	18.6		ug/L		58	32 - 120	6	30
Anthracene	ND		32.0	33.6		ug/L		105	65 - 122	0	15
Atrazine	ND		64.0	71.0		ug/L		111	50 - 150	3	20
Benzaldehyde	ND		64.0	55.2		ug/L		86	10 - 150	2	20
Benzo(a)anthracene	ND		32.0	29.4		ug/L		92	43 - 124	3	15
Benzo(a)pyrene	ND		32.0	28.7		ug/L		90	23 - 125	2	15
Benzo(b)fluoranthene	ND		32.0	27.7		ug/L		86	27 - 127	0	15
Benzo(g,h,i)perylene	ND		32.0	29.6		ug/L		92	16 - 147	2	15
Benzo(k)fluoranthene	ND		32.0	31.1		ug/L		97	20 - 124	4	22
Biphenyl	ND		32.0	33.6		ug/L		105	57 - 120	4	20
bis (2-chloroisopropyl) ether	ND		32.0	28.1		ug/L		88	28 - 121	2	24
Bis(2-chloroethoxy)methane	ND		32.0	31.8		ug/L		99	44 - 128	3	17
Bis(2-chloroethyl)ether	ND		32.0	33.3		ug/L		104	45 - 120	1	21
Bis(2-ethylhexyl) phthalate	ND		32.0	23.9		ug/L		75	16 - 150	3	15
Butyl benzyl phthalate	ND		32.0	30.3		ug/L		95	51 - 140	0	16
Caprolactam	ND		64.0	23.6		ug/L		37	10 - 120	1	20
Carbazole	ND		32.0	43.5		ug/L		136	16 - 148	1	20
Chrysene	ND		32.0	29.7		ug/L		93	44 - 122	1	15
Dibenz(a,h)anthracene	ND		32.0	30.2		ug/L		94	16 - 139	1	15
Dibenzofuran	ND		32.0	34.1		ug/L		106	60 - 120	3	15
Diethyl phthalate	ND		32.0	34.6		ug/L		108	53 - 133	4	15
Dimethyl phthalate	ND		32.0	35.7		ug/L		111	59 - 123	4	15
Di-n-butyl phthalate	0.43	J	32.0	33.3		ug/L		103	65 - 129	1	15
Di-n-octyl phthalate	ND		32.0	24.6		ug/L		77	16 - 150	3	16
Fluoranthene	ND		32.0	34.9		ug/L		109	63 - 129	1	15
Fluorene	ND		32.0	34.9		ug/L		109	62 - 120	4	15
Hexachlorobenzene	ND		32.0	33.5		ug/L		105	57 - 121	1	15

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# QC Sample Results

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

Job ID: 480-223414-1

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

Lab Sample ID: 480-223414-3 MSD

Client Sample ID: BCC Area C RFI-20A MSD

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 725593

Prep Batch: 725456

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Hexachlorobutadiene	ND		32.0	29.1		ug/L		91	37 - 120	4	44
Hexachlorocyclopentadiene	ND		32.0	28.2		ug/L		88	21 - 120	4	49
Hexachloroethane	ND		32.0	27.6		ug/L		86	16 - 130	0	46
Indeno(1,2,3-cd)pyrene	ND		32.0	29.6		ug/L		92	16 - 140	2	15
Isophorone	ND		32.0	32.8		ug/L		103	48 - 133	3	17
Naphthalene	ND		32.0	31.7		ug/L		99	45 - 120	3	29
Nitrobenzene	ND		32.0	30.7		ug/L		96	45 - 123	2	24
N-Nitrosodi-n-propylamine	ND		32.0	30.2		ug/L		94	49 - 120	1	31
N-Nitrosodiphenylamine	ND		32.0	32.9		ug/L		103	39 - 138	1	15
Pentachlorophenol	ND		64.0	74.1		ug/L		116	10 - 149	3	37
Phenanthrene	ND		32.0	36.8		ug/L		115	65 - 122	0	15
Phenol	ND		32.0	19.2		ug/L		60	16 - 120	1	34
Pyrene	ND		32.0	32.2		ug/L		101	58 - 128	0	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	104		25 - 144
2-Fluorobiphenyl	105		53 - 126
2-Fluorophenol	72		24 - 120
Nitrobenzene-d5	88		29 - 129
Phenol-d5	58		10 - 120
p-Terphenyl-d14	71		33 - 132

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-725378/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 725565

Prep Batch: 725378

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		09/18/24 08:20	09/18/24 20:01	1
Antimony	ND		0.020	0.0068	mg/L		09/18/24 08:20	09/18/24 20:01	1
Arsenic	ND		0.015	0.0056	mg/L		09/18/24 08:20	09/18/24 20:01	1
Barium	ND		0.0020	0.00070	mg/L		09/18/24 08:20	09/18/24 20:01	1
Beryllium	ND		0.0020	0.00030	mg/L		09/18/24 08:20	09/18/24 20:01	1
Cadmium	ND		0.0020	0.00050	mg/L		09/18/24 08:20	09/18/24 20:01	1
Calcium	ND		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:01	1
Chromium	ND		0.0040	0.0010	mg/L		09/18/24 08:20	09/18/24 20:01	1
Cobalt	ND		0.0040	0.00063	mg/L		09/18/24 08:20	09/18/24 20:01	1
Copper	ND		0.010	0.0016	mg/L		09/18/24 08:20	09/18/24 20:01	1
Iron	ND		0.050	0.019	mg/L		09/18/24 08:20	09/18/24 20:01	1
Lead	0.00339	J	0.010	0.0030	mg/L		09/18/24 08:20	09/18/24 20:01	1
Magnesium	ND		0.20	0.043	mg/L		09/18/24 08:20	09/18/24 20:01	1
Manganese	0.000528	J	0.0030	0.00040	mg/L		09/18/24 08:20	09/18/24 20:01	1
Nickel	ND		0.010	0.0013	mg/L		09/18/24 08:20	09/18/24 20:01	1
Potassium	ND		0.50	0.10	mg/L		09/18/24 08:20	09/18/24 20:01	1
Silver	ND		0.0060	0.0017	mg/L		09/18/24 08:20	09/18/24 20:01	1
Sodium	ND		1.0	0.32	mg/L		09/18/24 08:20	09/18/24 20:01	1
Thallium	ND		0.020	0.010	mg/L		09/18/24 08:20	09/18/24 20:01	1
Vanadium	ND		0.0050	0.0015	mg/L		09/18/24 08:20	09/18/24 20:01	1

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# QC Sample Results

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

Job ID: 480-223414-1

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

**Lab Sample ID: MB 480-725378/1-A**  
**Matrix: Water**  
**Analysis Batch: 725565**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 725378**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		09/18/24 08:20	09/18/24 20:01	1

**Lab Sample ID: MB 480-725378/1-A**  
**Matrix: Water**  
**Analysis Batch: 725703**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 725378**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		09/18/24 08:20	09/19/24 17:28	1

**Lab Sample ID: LCS 480-725378/2-A**  
**Matrix: Water**  
**Analysis Batch: 725565**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 725378**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	5.10	4.97		mg/L		98	80 - 120
Antimony	0.500	0.479		mg/L		96	80 - 120
Arsenic	1.00	0.946		mg/L		95	80 - 120
Barium	1.00	0.998		mg/L		100	80 - 120
Beryllium	0.500	0.517		mg/L		103	80 - 120
Cadmium	0.500	0.497		mg/L		99	80 - 120
Calcium	25.0	25.63		mg/L		103	80 - 120
Chromium	0.500	0.508		mg/L		102	80 - 120
Cobalt	0.500	0.491		mg/L		98	80 - 120
Copper	0.500	0.476		mg/L		95	80 - 120
Iron	5.10	5.66		mg/L		111	80 - 120
Lead	0.500	0.499		mg/L		100	80 - 120
Magnesium	25.0	24.23		mg/L		97	80 - 120
Manganese	0.500	0.508		mg/L		102	80 - 120
Nickel	0.500	0.504		mg/L		101	80 - 120
Potassium	25.0	24.50		mg/L		98	80 - 120
Silver	0.0500	0.0480		mg/L		96	80 - 120
Sodium	25.0	24.62		mg/L		98	80 - 120
Thallium	1.00	0.958		mg/L		96	80 - 120
Vanadium	0.500	0.514		mg/L		103	80 - 120
Zinc	0.500	0.509		mg/L		102	80 - 120

**Lab Sample ID: LCS 480-725378/2-A**  
**Matrix: Water**  
**Analysis Batch: 725703**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 725378**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Selenium	1.00	0.953		mg/L		95	80 - 120

**Lab Sample ID: 480-223414-3 MS**  
**Matrix: Water**  
**Analysis Batch: 725565**

**Client Sample ID: BCC Area C RFI-20A MS**  
**Prep Type: Total/NA**  
**Prep Batch: 725378**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aluminum	ND		5.10	5.45		mg/L		107	75 - 125
Antimony	ND		0.500	0.525		mg/L		105	75 - 125

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# QC Sample Results

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

Job ID: 480-223414-1

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

Lab Sample ID: 480-223414-3 MS

Matrix: Water

Analysis Batch: 725565

Client Sample ID: BCC Area C RFI-20A MS

Prep Type: Total/NA

Prep Batch: 725378

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Arsenic	0.017		1.00	1.04		mg/L		102		75 - 125
Barium	0.076		1.00	1.14		mg/L		107		75 - 125
Beryllium	ND		0.500	0.544		mg/L		109		75 - 125
Cadmium	ND		0.500	0.541		mg/L		108		75 - 125
Calcium	269		25.0	299.0	4	mg/L		119		75 - 125
Chromium	ND		0.500	0.524		mg/L		105		75 - 125
Cobalt	0.00081	J	0.500	0.523		mg/L		104		75 - 125
Copper	0.0017	J	0.500	0.542		mg/L		108		75 - 125
Iron	27.8		5.10	33.84	4	mg/L		118		75 - 125
Lead	ND	^+	0.500	0.543	^+	mg/L		109		75 - 125
Magnesium	20.5		25.0	47.04		mg/L		106		75 - 125
Manganese	0.58	B	0.500	1.12		mg/L		108		75 - 125
Nickel	0.0021	J	0.500	0.534		mg/L		106		75 - 125
Potassium	11.1		25.0	38.53		mg/L		110		75 - 125
Silver	ND		0.0500	0.0523		mg/L		105		75 - 125
Sodium	78.1		25.0	106.4		mg/L		113		75 - 125
Thallium	ND		1.00	1.05		mg/L		105		75 - 125
Vanadium	ND		0.500	0.542		mg/L		108		75 - 125
Zinc	0.019		0.500	0.528		mg/L		102		75 - 125

Lab Sample ID: 480-223414-3 MS

Matrix: Water

Analysis Batch: 725703

Client Sample ID: BCC Area C RFI-20A MS

Prep Type: Total/NA

Prep Batch: 725378

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Selenium	ND		1.00	0.985		mg/L		99		75 - 125

Lab Sample ID: 480-223414-3 MSD

Matrix: Water

Analysis Batch: 725565

Client Sample ID: BCC Area C RFI-20A MSD

Prep Type: Total/NA

Prep Batch: 725378

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aluminum	ND		5.10	5.37		mg/L		105		75 - 125	2	20
Antimony	ND		0.500	0.513		mg/L		103		75 - 125	2	20
Arsenic	0.017		1.00	1.03		mg/L		101		75 - 125	1	20
Barium	0.076		1.00	1.13		mg/L		105		75 - 125	1	20
Beryllium	ND		0.500	0.541		mg/L		108		75 - 125	0	20
Cadmium	ND		0.500	0.534		mg/L		107		75 - 125	1	20
Calcium	269		25.0	293.5	4	mg/L		97		75 - 125	2	20
Chromium	ND		0.500	0.519		mg/L		104		75 - 125	1	20
Cobalt	0.00081	J	0.500	0.516		mg/L		103		75 - 125	1	20
Copper	0.0017	J	0.500	0.534		mg/L		106		75 - 125	1	20
Iron	27.8		5.10	33.14	4	mg/L		105		75 - 125	2	20
Lead	ND	^+	0.500	0.533	^+	mg/L		107		75 - 125	2	20
Magnesium	20.5		25.0	46.37		mg/L		104		75 - 125	1	20
Manganese	0.58	B	0.500	1.10		mg/L		104		75 - 125	2	20
Nickel	0.0021	J	0.500	0.526		mg/L		105		75 - 125	2	20
Potassium	11.1		25.0	37.88		mg/L		107		75 - 125	2	20
Silver	ND		0.0500	0.0517		mg/L		103		75 - 125	1	20

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# QC Sample Results

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

Job ID: 480-223414-1

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

Lab Sample ID: 480-223414-3 MSD  
 Matrix: Water  
 Analysis Batch: 725565

Client Sample ID: BCC Area C RFI-20A MSD  
 Prep Type: Total/NA  
 Prep Batch: 725378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	78.1		25.0	104.7		mg/L		106	75 - 125	2	20
Thallium	ND		1.00	1.04		mg/L		104	75 - 125	1	20
Vanadium	ND		0.500	0.536		mg/L		107	75 - 125	1	20
Zinc	0.019		0.500	0.519		mg/L		100	75 - 125	2	20

Lab Sample ID: 480-223414-3 MSD  
 Matrix: Water  
 Analysis Batch: 725703

Client Sample ID: BCC Area C RFI-20A MSD  
 Prep Type: Total/NA  
 Prep Batch: 725378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	ND		1.00	0.942		mg/L		94	75 - 125	4	20

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-725439/1-A  
 Matrix: Water  
 Analysis Batch: 725503

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 725439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		09/18/24 09:07	09/18/24 12:52	1

Lab Sample ID: LCS 480-725439/2-A  
 Matrix: Water  
 Analysis Batch: 725503

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 725439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00673		mg/L		100	80 - 120

Lab Sample ID: 480-223414-3 MS  
 Matrix: Water  
 Analysis Batch: 725503

Client Sample ID: BCC Area C RFI-20A MS  
 Prep Type: Total/NA  
 Prep Batch: 725439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00706		mg/L		105	80 - 120

Lab Sample ID: 480-223414-3 MSD  
 Matrix: Water  
 Analysis Batch: 725503

Client Sample ID: BCC Area C RFI-20A MSD  
 Prep Type: Total/NA  
 Prep Batch: 725439

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00711		mg/L		106	80 - 120	1	20

# QC Association Summary

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

Job ID: 480-223414-1

## GC/MS VOA

### Analysis Batch: 725312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	8260C	
480-223414-2	BCC Area C MW-C04	Total/NA	Water	8260C	
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	8260C	
480-223414-4	BCC Area C PS-05A	Total/NA	Water	8260C	
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	8260C	
480-223414-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-725312/8	Method Blank	Total/NA	Water	8260C	
LCS 480-725312/6	Lab Control Sample	Total/NA	Water	8260C	
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	8260C	
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	8260C	

## GC/MS Semi VOA

### Prep Batch: 725456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	3510C	
480-223414-2	BCC Area C MW-C04	Total/NA	Water	3510C	
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	3510C	
480-223414-4	BCC Area C PS-05A	Total/NA	Water	3510C	
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	3510C	
MB 480-725456/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-725456/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	3510C	
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	3510C	

### Analysis Batch: 725593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	8270D	725456
480-223414-2	BCC Area C MW-C04	Total/NA	Water	8270D	725456
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	8270D	725456
480-223414-4	BCC Area C PS-05A	Total/NA	Water	8270D	725456
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	8270D	725456
MB 480-725456/1-A	Method Blank	Total/NA	Water	8270D	725456
LCS 480-725456/2-A	Lab Control Sample	Total/NA	Water	8270D	725456
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	8270D	725456
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	8270D	725456

## Metals

### Prep Batch: 725378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	3005A	
480-223414-2	BCC Area C MW-C04	Total/NA	Water	3005A	
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	3005A	
480-223414-4	BCC Area C PS-05A	Total/NA	Water	3005A	
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	3005A	
MB 480-725378/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-725378/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	3005A	
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	3005A	

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# QC Association Summary

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

Job ID: 480-223414-1

## Metals

### Prep Batch: 725439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	7470A	
480-223414-2	BCC Area C MW-C04	Total/NA	Water	7470A	
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	7470A	
480-223414-4	BCC Area C PS-05A	Total/NA	Water	7470A	
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	7470A	
MB 480-725439/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-725439/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	7470A	
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	7470A	

### Analysis Batch: 725503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	7470A	725439
480-223414-2	BCC Area C MW-C04	Total/NA	Water	7470A	725439
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	7470A	725439
480-223414-4	BCC Area C PS-05A	Total/NA	Water	7470A	725439
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	7470A	725439
MB 480-725439/1-A	Method Blank	Total/NA	Water	7470A	725439
LCS 480-725439/2-A	Lab Control Sample	Total/NA	Water	7470A	725439
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	7470A	725439
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	7470A	725439

### Analysis Batch: 725565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	6010C	725378
480-223414-2	BCC Area C MW-C04	Total/NA	Water	6010C	725378
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	6010C	725378
480-223414-4	BCC Area C PS-05A	Total/NA	Water	6010C	725378
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	6010C	725378
MB 480-725378/1-A	Method Blank	Total/NA	Water	6010C	725378
LCS 480-725378/2-A	Lab Control Sample	Total/NA	Water	6010C	725378
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	6010C	725378
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	6010C	725378

### Analysis Batch: 725703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	6010C	725378
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	6010C	725378
480-223414-2	BCC Area C MW-C04	Total/NA	Water	6010C	725378
480-223414-3	BCC Area C RFI-20A	Total/NA	Water	6010C	725378
480-223414-4	BCC Area C PS-05A	Total/NA	Water	6010C	725378
480-223414-5	BCC Area C RFI-20A D	Total/NA	Water	6010C	725378
MB 480-725378/1-A	Method Blank	Total/NA	Water	6010C	725378
LCS 480-725378/2-A	Lab Control Sample	Total/NA	Water	6010C	725378
480-223414-3 MS	BCC Area C RFI-20A MS	Total/NA	Water	6010C	725378
480-223414-3 MSD	BCC Area C RFI-20A MSD	Total/NA	Water	6010C	725378

### Analysis Batch: 725800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223414-1	BCC Area C RFI-31A	Total/NA	Water	6010C	725378

# Lab Chronicle

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

Job ID: 480-223414-1

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

## Lab Sample ID: 480-223414-1

Date Collected: 09/16/24 13:15

Matrix: Water

Date Received: 09/16/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	725312	ERS	EET BUF	09/17/24 18:26
Total/NA	Prep	3510C			725456	JMP	EET BUF	09/18/24 09:14
Total/NA	Analysis	8270D		1	725593	JMM	EET BUF	09/19/24 19:03
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725565	BMB	EET BUF	09/18/24 20:08
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725703	BMB	EET BUF	09/19/24 17:32
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		5	725703	BMB	EET BUF	09/19/24 17:33
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		20	725800	BMB	EET BUF	09/20/24 12:32
Total/NA	Prep	7470A			725439	ESB	EET BUF	09/18/24 09:07
Total/NA	Analysis	7470A		1	725503	ESB	EET BUF	09/18/24 12:55

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

## Lab Sample ID: 480-223414-2

Date Collected: 09/16/24 09:15

Matrix: Water

Date Received: 09/16/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	725312	ERS	EET BUF	09/17/24 18:49
Total/NA	Prep	3510C			725456	JMP	EET BUF	09/18/24 09:14
Total/NA	Analysis	8270D		1	725593	JMM	EET BUF	09/19/24 19:30
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725565	BMB	EET BUF	09/18/24 20:10
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725703	BMB	EET BUF	09/19/24 17:35
Total/NA	Prep	7470A			725439	ESB	EET BUF	09/18/24 09:07
Total/NA	Analysis	7470A		1	725503	ESB	EET BUF	09/18/24 12:56

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

## Lab Sample ID: 480-223414-3

Date Collected: 09/16/24 10:25

Matrix: Water

Date Received: 09/16/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725312	ERS	EET BUF	09/17/24 19:11
Total/NA	Prep	3510C			725456	JMP	EET BUF	09/18/24 09:14
Total/NA	Analysis	8270D		1	725593	JMM	EET BUF	09/19/24 18:37
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725565	BMB	EET BUF	09/18/24 20:18
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725703	BMB	EET BUF	09/19/24 17:37
Total/NA	Prep	7470A			725439	ESB	EET BUF	09/18/24 09:07
Total/NA	Analysis	7470A		1	725503	ESB	EET BUF	09/18/24 12:57

# Lab Chronicle

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

Job ID: 480-223414-1

**Client Sample ID: BCC Area C PS-05A**

**Lab Sample ID: 480-223414-4**

**Date Collected: 09/16/24 12:00**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	725312	ERS	EET BUF	09/17/24 19:34
Total/NA	Prep	3510C			725456	JMP	EET BUF	09/18/24 09:14
Total/NA	Analysis	8270D		1	725593	JMM	EET BUF	09/19/24 19:56
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725565	BMB	EET BUF	09/18/24 20:27
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725703	BMB	EET BUF	09/19/24 17:53
Total/NA	Prep	7470A			725439	ESB	EET BUF	09/18/24 09:07
Total/NA	Analysis	7470A		1	725503	ESB	EET BUF	09/18/24 13:02

**Client Sample ID: BCC Area C RFI-20A D**

**Lab Sample ID: 480-223414-5**

**Date Collected: 09/16/24 10:30**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725312	ERS	EET BUF	09/17/24 19:56
Total/NA	Prep	3510C			725456	JMP	EET BUF	09/18/24 09:14
Total/NA	Analysis	8270D		1	725593	JMM	EET BUF	09/19/24 20:23
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725565	BMB	EET BUF	09/18/24 20:29
Total/NA	Prep	3005A			725378	EMO	EET BUF	09/18/24 08:20
Total/NA	Analysis	6010C		1	725703	BMB	EET BUF	09/19/24 17:54
Total/NA	Prep	7470A			725439	ESB	EET BUF	09/18/24 09:07
Total/NA	Analysis	7470A		1	725503	ESB	EET BUF	09/18/24 13:04

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-223414-6**

**Date Collected: 09/16/24 10:35**

**Matrix: Water**

**Date Received: 09/16/24 15:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	725312	ERS	EET BUF	09/17/24 20:18

**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: 480-223414-1

## Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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



# Method Summary

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

Job ID: 480-223414-1

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: 480-223414-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223414-1	BCC Area C RFI-31A	Water	09/16/24 13:15	09/16/24 15:00
480-223414-2	BCC Area C MW-C04	Water	09/16/24 09:15	09/16/24 15:00
480-223414-3	BCC Area C RFI-20A	Water	09/16/24 10:25	09/16/24 15:00
480-223414-4	BCC Area C PS-05A	Water	09/16/24 12:00	09/16/24 15:00
480-223414-5	BCC Area C RFI-20A D	Water	09/16/24 10:30	09/16/24 15:00
480-223414-6	TRIP BLANK	Water	09/16/24 10:35	09/16/24 15:00

1

2

3

4

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11

12

13

14

15

# Chain of Custody Record



Environment Testing

3Q Area C  
'24

**Client Information**

Client Contact: Kirsten Colligan  
Company: Ontario Specialty Contracting, Inc.  
Address: 140 Lee St, Buffalo, NY, 14210  
Phone: 716-856-3333  
Email: kcolligan@oscinc.com

Project Name: OSC-Former Buffalo Color Sites/ Event Desc: Buffalo Color Area 48003159  
Site: New York

Sampler: Taylor Kinschman  
Lab PM: Schove, John R  
Phone: 716-480-3282  
E-Mail: John.Schove@et.eurofins.com

Carrier Tracking No(s): OSC  
State of Origin: NY  
COC No: 480-198753-6265.1  
Page: Page 1 of 1  
Job #: 16011

Due Date Requested: Standard  
TAT Requested (days): 2 weeks  
Compliance Project:  Yes  No  
PO #: 66966  
WO #: 67604

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	8270C - TCL SVOCs + aniline	8260B - TCL VOCs	6010B, 7470A	D	A	N	Special Instructions/Note:
BCC Area C RFI-31A	9-16-24	13:15	G	Water						1	3	0	
BCC Area C MW-C04		9:15	G	Water						1	3	0	
BCC Area C RFI-20A		10:25	G	Water						1	3	0	
BCC Area C PS-05A		12:00	G	Water						1	3	0	
BCC Area C RFI 20A D		10:30	G	Water						1	3	0	
BCC Area C RFI 20-A MS		10:35	G	Water						1	3	0	
BCC Area C RFI 20-AMSD		10:40	G	Water						1	3	0	
TRIP BLANK		9:15	G	Water						1	3	0	

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: Jeff Kinschman Date: 9-16-2024 15:00  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Custody Seal No.: 253 4458  
 Custody Seals Intact:  Yes  No

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

Special Instructions/QC Requirements: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Received by: MS Date/Time: 9-16-24 15:00  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Cooler Temperature(s) and Other Remarks: 1.6 # 100 ICE

Ver: 04/02/2024

## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-223414-1

**Login Number: 223414**

**List Number: 1**

**Creator: Stapleton, Kaitlyn**

**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	17.6 #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Ontario Specialty Contracting
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

Appendix B – Sample Collection Logs



# Chain of Custody Record

**Client Information**  
Client Contact: Kirsten Colligan  
Company: Ontario Specialty Contracting, Inc.  
Address: 140 Lee St. Buffalo, NY, 14210  
Phone: 716-856-3333  
Email: kcolligan@oscinc.com  
Project Name: OSC - Former Buffalo Color Sites/ Event Desc: Buffalo Color Area  
Site: New York

Lab PM: Schove, John R  
E-Mail: John.Schove@et.eurofins.com  
Carrier Tracking No(s): OSC  
State of Origin: NY  
COC No: 480-189549-6265.1  
Page: Page 1 of 1  
Job #: 16011

Due Date Requested: Standard  
TAT Requested (days): 2 weeks  
Compliance Project:  Yes  No  
PO #: 66666  
WO #: 66964  
Project #: 48003159  
SSOW#: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, Overstool)	Field Filtered Sample (Yes or No)	D	A	N	Total Number of Containers	Special Instructions/Note:
BCC Area C RFI-31A	10-28-23	12:45	G	Water						
BCC Area C MW-C04	9:15		G	Water						
BCC Area C RFI-20A	10:30		G	Water						
BCC Area C PS-05A	11:45		G	Water						
BCC Area C MWC04 D	9:20		G	Water						
BCC Area C MWC04 MS	9:25		G	Water						
BCC Area C MWC04MSD	9:30		G	Water						
TRIP BLANK	8:30		G	Water						

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: Jeff. Hughes  
 Relinquished by: Jeff. Hughes  
 Date: 12-28-23 13:45  
 Company: OSC

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

Special Instructions/QC Requirements:

Received by: C. Williams  
 Date/Time: 12/28/23 13:45  
 Company: TAB  
 Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Custody Seal No.: 2285592  
 X Yes  No

Cooler Temperature(s) °C and Other Remarks:

Aren C 4th Q  
23

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: MW-C04  
 TIME: START 8:30 END 9:35  
 SAMPLE ID: 4th QTR '23  
 SAMPLE EVENT: Aren C 4th Q 23  
 JOB NUMBER: 16011  
 ONTARIO SPECIALTY CONTRACTING, INC.  
 SAMPLE DATE: 12-28-23  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 4.71 FT  
 WELL DEPTH: 16.2 FT  
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 9:15

3 purge volumes = 5.85 gallons  
 $11.49 \text{ water column} \times \frac{0.17 \text{ conversion}}{1 \text{ purge volume}} = 1.95$   
 $5.85 \text{ gallons} \times \frac{0.26 \text{ gal/min}}{0.26 \text{ gal/min}} = 22.50 \text{ minutes to pump}$

PURGE DATA			SPECIFIC							
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
8:25		4.76		12.55	2.35	7.12	6.83	15.2	-3	
8:40		4.74		12.27	2.37	7.12	6.44	11.0	-32	
8:45		4.78		12.10	2.38	7.11	5.11	8.3	-52	
8:50		4.81		12.05	2.38	7.10	2.49	2.1	-62	
8:55		4.76		12.05	2.37	7.09	2.45	2.3	-67	
9:00		4.80		12.04	2.37	7.08	2.04	2.1	-70	
9:00		4.80		12.01	2.37	7.07	2.04	2.3	-71	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**  
To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	CLP	4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
X	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO  NUMBER OF GALLONS GENERATED:

**NOTES**  
All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
D- 9:20  
MS- 9:25  
MSD- 9:30



Area C 4th Q  
23

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 SAMPLE ID: 4th QTR '23  
 ONTARIO SPECIALTY CONTRACTING, INC.  
 WELL ID: RFI-00  
 SAMPLE EVENT: Area C 4th Q 23  
 SAMPLE DATE: 12-28-23  
 TIME: START 9:45 END 10:40  
 JOB NUMBER: 16011  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 5.23 FT  
 WELL DEPTH: 15.2 FT  
 WELL DIAMETER: 2.0 IN

Well Conversion Calculation:  

$$\frac{9.97 \text{ water column} \times 0.17 \text{ conversion}}{1 \text{ purge volume}} = 1.69$$

$$3 \text{ purge volumes} = 5.07 \text{ gallons}$$

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 10:30  

$$\frac{5.07 \text{ gallons} \times 0.26 \text{ gal/min}}{\text{flow rate}} = 19.50 \text{ minutes to pump}$$

PURGE DATA			SPECIFIC							
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/min)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:50	7.09			11.86	1.46	6.96	0.93	46.8	-115	
9:55	7.56			11.83	1.49	6.97	0.94	21.8	-122	
10:00	8.02			11.76	1.49	6.96	0.97	18.5	-123	
10:05	8.38			11.69	1.49	6.94	0.97	17.0	-123	
10:10	8.77			11.71	1.50	6.94	0.95	20.1	-122	
10:15	9.18			11.77	1.49	6.94	0.95	19.0	-122	
10:20	9.46			11.77	1.50	6.93	0.94	19.5	-121	
10:25	9.63			11.81	1.49	6.93	0.93	19.7	-119	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
X	VOC	HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
X	VOC	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS
X	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO

NUMBER OF GALLONS GENERATED:

**NOTES**

All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

SIGNATURE: \_\_\_\_\_

**COMMENTS**

cldy water  
High turbidity

Area C 4th Q  
23

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: PS-05A  
 TIME: START 10:50 END 11:50  
 SAMPLE ID: 4th QTR '23  
 SAMPLE EVENT: Area C 4th Q 23  
 JOB NUMBER: 16011  
 ONTARIO SPECIALTY CONTRACTING, INC.  
 SAMPLE DATE: 12-28-23  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

STATIC DEPTH TO WATER: 3.92 FT  
 WELL DEPTH: 10.0 FT  
 WELL DIAMETER: 2.0 IN

DEPTH TO NAPL: ND FT  
 NON DETECT (ND)

NAPL VOL REMOVED: GAL

Well Protective Casing Intact and Properly Secured: YES  NO

3 purge volumes = 3.09 gallons  
 0.17 conversion = 1.03  
 0.26 gal/min flow rate = 11.88 minutes to pump

TIME OF SAMPLE COLLECTION: 11:45

PURGE DATA		SPECIFIC								
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
10:55		3.97		9.91	0.587	7.86	0.80	35.2	49	
11:00		3.98		9.58	0.593	7.39	0.85	25.7	46	
11:05		4.01		9.53	0.591	7.40	0.89	20.3	47	
11:10		4.03		9.48	0.592	7.40	0.81	17.6	50	
11:15		4.04		9.42	0.596	7.40	0.83	12.5	51	
11:20		4.08		9.40	0.599	7.41	0.82	8.2	56	
11:25		4.05		9.39	0.598	7.41	0.91	2.7	57	
11:30		4.07		9.39	0.599	7.41	0.80	2.9	57	
11:35		4.06		9.37	0.599	7.41	0.78	1.4	56	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
INS	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC	
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC	
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS	
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)	

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO

NUMBER OF GALLONS GENERATED:

**NOTES**  
 All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**

Area C 4th Q  
23

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation      SAMPLE ID: 4th QTR '23'      ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RFI-31      SAMPLE EVENT: Area C 4th Q 23      SAMPLE DATE: 12-28-23

TIME: START 12:00 END 12:55      JOB NUMBER: 16011      SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water      4" = 0.66 gal/foot water  
 2" = 0.17 gal/foot water      6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.41 FT  
 WELL DEPTH: 15.3 FT  
 WELL DIAMETER: 2.0 IN

water column: 8.89 x conversion: 0.17 = 1.51 (1 purge volume)  
 3 purge volumes = 4.53 gallons

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO  4.53 gallons x 0.26 gal/min = 17.40 minutes to pump

TIME OF SAMPLE COLLECTION: 12:45

PURGE DATA		SPECIFIC									COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)		
12:05	7.43	7.43		12.92	8.09	7.38	0.82	0.0	63		
12:10	7.91	7.91		13.17	8.16	7.41	0.80	0.0	45		
12:15	8.34	8.34		13.28	8.19	7.42	3.41	0.0	36		
12:20	8.68	8.68		13.25	8.23	7.42	3.56	0.0	28		
12:25	9.12	9.12		13.22	8.23	7.43	3.24	0.0	18		
12:30	10.14	10.14		13.27	8.26	7.43	3.18	0.0	2		
12:35	10.41	10.41		13.26	8.27	7.43	3.20	0.0	1		
12:40	10.73	10.73		13.28	8.27	7.43	3.40	0.0	-5		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER,  SIMCO BLADDER,  GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  SILICONE,  HIGH DENSITY POLYETHYLENE,  OTHER

TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL,  HORIBA U-50 W/ FLOW CELL,  OTHER

TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER,  SOLINST WATER METER,  OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG C	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG C	VOC
	SVOC	CLP	4 DEG C	SVOC
INS	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG C	VOC
MSD	SVOC	CLP	4 DEG C	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO       NUMBER OF GALLONS GENERATED:

**NOTES**

All equipment used either dedicated or deconned prior to arrival on site. No rinse / field blank required

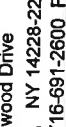
**SIGNATURE:** \_\_\_\_\_

**COMMENTS**

High specific conductance (ms/cm)

# Chain of Custody Record

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



<b>Client Information</b>		Sampler: <u>Taylor Kynzelman</u>		Lab PM: <u>Schove, John R</u>		COC No: <u>480-191561-6265.1</u>	
Client Contact: <u>Kirsten Colligan</u>		Phone: <u>716-480-3092</u>		E-Mail: <u>John.Schove@et.eurofins.com</u>		Page: <u>1 of 1</u>	
Company: <u>Ontario Specialty Contracting, Inc.</u>		Address: <u>140 Lee St.</u>		City: <u>Buffalo</u>		Job #: <u>16011</u>	
State, Zip: <u>NY, 14210</u>		TAT Requested (days): <u>2 weeks</u>		Compliance Project: <u>Δ Yes Δ No</u>		Analysis Requested	
Phone: <u>716-856-3333</u>		PO #: <u>66069 66968</u>		Project #: <u>48003159</u>		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Email: <u>kcolligan@oscinc.com</u>		SSOW#: <u></u>		Field Filtered Sample (Yes or No)		Other:	
Project Name: <u>OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Area</u>		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
Site: <u>New York</u>		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
Sample Identification		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
BCC Area C RFI-31A		2-8-24		13:00		G Water	
BCC Area C MW-C04				9:55		G Water	
BCC Area C RFI-20A				10:55		G Water	
BCC Area C PS-05A				12:00		G Water	
BCC Area C RFI 31A D				13:05		G Water	
BCC Area C RFI 31A MS				13:10		G Water	
BCC Area C RFI 31A MSD				13:15		G Water	
TRIP BLANK						Water	
Possible Hazard Identification		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
Deliverable Requested: I, II, III, IV, Other (specify)		Sample Date		Sample Time		Sample Type (G=grab, C=comp)	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <u>Jeff W. Thompson</u>		Date/Time: <u>2-8-24 14:45</u>		Company: <u>OSC</u>		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by: <u>JA</u>	
Custody Seals Intact: <u>X</u> Yes <u>Δ</u> No		Custody Seal No.: <u>214 9474</u>		Date/Time: <u>2/8/24 1445</u>		Company: <u>OSC</u>	
Cooler Temperature(s) °C and Other Remarks:		Date/Time:		Company:		Received by: <u>JA</u>	

1st QTR "24"  
Area C

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 SAMPLE ID: 1st QTR '24'  
 WELL ID: MW-C04  
 SAMPLE EVENT: 1st QTR Area C  
 TIME: START 9:00 END 9:58  
 JOB NUMBER: 16011  
 SAMPLER: Taylor Kunzelman  
 ONTARIO SPECIALTY CONTRACTING, INC  
 SAMPLE DATE: 2-8-24

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 5.43 FT  
 WELL DEPTH: 16.2 FT  
 WELL DIAMETER: 2.0 IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 9:55

Well Conversion Calculation:  

$$\frac{10.77 \text{ water column} \times 0.17 \text{ conversion}}{1 \text{ purge volume}} = 1.83$$

$$3 \text{ purge volumes} = 5.49 \text{ gallons}$$

$$5.49 \text{ gallons} \times \frac{0.26 \text{ gal/min}}{\text{flow rate}} = 2.11 \text{ minutes to pump}$$

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: GAL

PURGE DATA		SPECIFIC								
TIME	VOL. (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2. (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:10		5.45		9.88	2.27	7.34	0.32	13.1	6	
9:15		5.48		9.89	2.22	7.0	2.76	7.7	-30	
9:20		5.45		9.84	2.22	7.15	4.11	6.5	-58	
9:25		5.50		9.82	2.23	7.11	10.30	1.2	-78	
9:30		5.48		9.80	2.27	7.09	3.32	0.0	-98	
9:35		5.45		9.80	2.29	7.06	2.46	0.0	-113	
9:40		5.47		9.61	2.32	7.04	2.86	0.0	-122	
9:45		5.45		9.57	2.36	7.03	2.41	0.0	-125	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
	SVOC	CLP	4 DEG. C	SVOC
MS	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	VOC
MSD	SVOC	CLP	4 DEG. C	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO

NUMBER OF GALLONS GENERATED:

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

**COMMENTS**

1st QTR '24'  
Area C

**FIELD DATA RECORD - GROUNDWATER SAMPLING**



PROJECT: Buffalo Color Corporation  
WELL ID: RFI-20A  
TIME: START 10:05 END 11:00

SAMPLE ID: 1st QTR '24'  
SAMPLE EVENT: 1st QTR 24 Area C  
JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC  
SAMPLE DATE: 2-8-24  
SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

STATIC DEPTH TO WATER: 6.17 FT  
WELL DEPTH: 15.2 FT  
WELL DIAMETER: 2.0 IN

**Well Conversion Factors**  
1" = 0.04 gal/foot water  
2" = 0.17 gal/foot water  
4" = 0.66 gal/foot water  
6" = 1.5 gal/foot water  
 $\frac{9.03}{\text{water column}} \times \frac{0.17}{\text{conversion}} = \frac{1.53}{1 \text{ purge volume}}$   
3 purge volumes = 4.59 gallons

**NAPL REMOVAL METHOD**  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK  
DEPTH TO NAPL NON DETECT (ND): ND FT  
NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO   
TIME OF SAMPLE COLLECTION: 10:55  
 $\frac{4.59}{\text{gallons}} \times \frac{0.26 \text{ gal/min}}{\text{flow rate}} = \frac{17.05}{\text{minutes to pump}}$

**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
10:10	8.21			9.51	1.47	7.20	0.51	76	-112	
10:14	9.18			9.72	1.42	7.28	0.58	41	-106	
10:20	9.46			9.71	1.45	7.44	0.50	39	-112	
10:24	9.73			9.72	1.46	7.42	0.50	31	-114	
10:30	9.87			9.71	1.46	7.41	0.50	34	-113	
10:35	10.09			9.72	1.46	7.40	0.51	29	-112	
10:40	10.15			9.80	1.46	7.38	0.49	30	-113	
10:45	10.17			9.82	1.48	7.23	0.49	32	-112	
10:50	10.15			9.82	1.48	7.17	0.46	30	-112	

**EQUIPMENT DOCUMENTATION**

**TYPE OF PUMP**  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

**TYPE OF TUBING**  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

**TYPE OF WATER QUALITY METER**  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

**TYPE OF WATER LEVEL DEVICE**  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED:

COMMENTS: cldy water - High turbidity

**NOTES**

All equipment used either dedicated or deconned prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

1st QTR '24"  
AREA C

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: PS-05A  
 TIME: START 11:05 END 12:05

SAMPLE ID: 1st QTR '24'  
 SAMPLE EVENT: 1st QTR BY AREA 'C'  
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC.  
 SAMPLE DATE: 2-8-24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

STATIC DEPTH TO WATER: 5.42 FT  
 WELL DEPTH: 10.0 FT  
 WELL DIAMETER: 2.0 IN

DEPTH TO NAPL NON DETECT (ND)  FT

NAPL VOL. REMOVED:  GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO

TIME OF SAMPLE COLLECTION: 12:00

Handwritten calculations:  
 $\frac{4.58}{\text{water column}} \times \frac{0.17}{\text{conversion}} = \frac{0.77}{1 \text{ purge volume}}$   
 3 purge volumes = 2.31 gallons  
 $2.31 \text{ gallons} \times \frac{0.26 \text{ gal/min}}{\text{flow rate}} = 8.88 \text{ minutes to pump}$

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
11:15		5.63		9.28						
11:20		5.69		9.05	0.939	7.35	0.41	19.1	16	
11:25		5.72		8.92	0.942	7.41	0.38	10.6	-8	
11:30		5.74		8.88	0.949	7.42	0.38	7.4	-35	
11:35		5.77		8.72	0.954	7.42	0.38	7.8	-52	
11:40		5.78		8.71	0.957	7.42	0.36	6.9	-60	
11:45		5.80		8.68	0.959	7.41	0.32	6.5	-67	
11:50		5.82		8.69	0.960	7.41	0.32	4.2	-69	
11:55		5.83		8.67	0.963	7.40	0.32	0.8	-75	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**  
To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
X	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	CLP	4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
X	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B	HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP	4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

**COMMENTS**



1st QTR '24"  
Area C

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: RFE-31  
 TIME: START 12:10 END 13:30

SAMPLE ID: 1st QTR '24'  
 SAMPLE EVENT: 1st QTR '24' AREA C  
 JOB NUMBER: 16011

OSC  
 ONTARIO SPECIALTY CONTRACTING, INC.  
 SAMPLE DATE: 2-8-24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 15.3 FT  
 WELL DEPTH: 6.58 FT  
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 13:00

Calculation:  $\frac{8.72 \text{ water column}}{0.17 \text{ conversion}} = 1.48 \text{ 1 purge volume}$   
 $3 \text{ purge volumes} = 4.44 \text{ gallons}$   
 $\frac{4.44 \text{ gallons}}{0.26 \text{ gal/min flow rate}} = 17.07 \text{ minutes to pump}$

**PURGE DATA**

TIME	VOL. (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
12:15		7.93		11.44	8.36	7.38	3.09	0.0	52	
12:20		8.42		11.33	8.46	7.41	0.26	0.0	46	
12:25		8.75		11.31	8.49	7.42	0.26	0.0	43	
12:30		8.97		11.28	8.51	7.42	0.27	0.0	42	
12:35		9.13		11.23	8.52	7.43	0.26	0.0	40	
12:40		9.56		11.28	8.51	7.43	0.26	0.0	36	
12:45		9.92		11.28	8.51	7.43	0.25	0.0	32	
12:50		10.26		11.23	8.50	7.42	0.26	0.0	27	
12:55		10.69		11.24	8.53	7.42	0.26	0.0	22	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO

NUMBER OF GALLONS GENERATED:

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

**COMMENTS**

High ms/cm (specific conductance)

D-13:05  
 MS-13:10  
 MSD-13:15

# Chain of Custody Record



Client Information  
 Client Contact: Kirsten Colligan  
 Company: Ontario Specialty Contracting, Inc.  
 Address: 140 Lee St.  
 City: Buffalo  
 State, Zip: NY, 14210  
 Phone: 716-856-3333  
 Email: kcolligan@oscinc.com

Lab PMI: Schove, John R  
 E-Mail: John.Schove@et.eurofins.com

Carrier Tracking Note(s): OSC  
 State of Origin: NY

COC No: 480-194877-6265.1  
 Page: Page 1 of 1  
 Job #: 16011

Analysis Requested

Duo Date Requested: 2 weeks  
 TAT Requested (days): Start Date  
 Compliance Project: # Yes  No

PO #: 66686  
 WO #: 66986

Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color Area  
 Site: New York

Project #: 48003159  
 SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swabd, On-water, Aali)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	60108, 7470A	8260B - TCL VOCs	8270C - TCL SVOCs + aniline	D	A	N	Total Number of Containers	Special Instructions/Note:
BCC Area C RFI-31A	6-4-24	13:25	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C MW-C04		9:10	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C RFI-20A		10:50	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C PS-05A		12:00	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C MW-C04 D		9:15	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C MW-C04 MS		9:20	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
BCC Area C MW-C04 MSD		9:25	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
TRIP BLANK				Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								

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

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

Empty Kit Relinquished by:

Relinquished by: Jeff a Phungman  
 Date/Time: 6-4-2024 1600  
 Company: OSC

Relinquished by: [Signature]  
 Date/Time: [Blank]  
 Company: [Blank]

Relinquished by: [Signature]  
 Date/Time: [Blank]  
 Company: [Blank]

Custody Seal No.: 2420931  
 Yes  No

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

Special Instructions/QC Requirements:

Received by: [Signature]  
 Date/Time: 6/4/24 1600  
 Company: [Blank]

Received by: [Signature]  
 Date/Time: [Blank]  
 Company: [Blank]

Received by: [Signature]  
 Date/Time: [Blank]  
 Company: [Blank]

Cooler Temperature(s) °C and Other Remarks:

" 2nd Q " 24"  
" Area C "

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: MW-CO4  
 TIME: START 8:00 END 9:30  
 SAMPLE ID: 2nd QTR '24'  
 SAMPLE EVENT: Area C  
 JOB NUMBER: 16011  
 ONTARIO SPECIALTY CONTRACTING, INC  
 SAMPLE DATE: 6-4-24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

STATIC DEPTH TO WATER: 5.76 FT  
 WELL DEPTH: 16.2 FT  
 WELL DIAMETER: 2.0 IN

Well Conversion Factors  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water  
 water column x conversion = 1.77  
 3 purge volumes = 5.31 gallons

NAPL REMOVAL METHOD  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK  
 DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO   
 TIME OF SAMPLE COLLECTION: 9:10  
 gallons x flow rate = 20.42 minutes to pump

PURGE DATA				SPECIFIC							COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)		
8:15		5.85		15.30	2.29	7.32	0.66	0.0	-114		
8:20		5.83		14.93	2.32	7.47	0.54	0.0	-120		
8:25		5.86		14.70	2.34	7.72	0.43	0.0	-118		
8:30		5.84		14.37	2.36	7.78	0.44	0.0	-116		
8:35		5.83		14.30	2.36	7.84	0.45	2.4	-114		
8:40		5.84		14.56	2.36	7.84	0.48	2.2	-116		
8:45		5.83		14.91	2.36	7.80	0.50	2.6	-123		
8:50		5.87		14.98	2.36	7.81	0.50	2.4	-127		
8:55		5.84		15.14	2.36	7.78	0.50	2.6	-131		
9:00		5.85		15.22	2.37	7.73	0.50	2.6	-134		
9:05		5.86		15.23	2.37	7.70	0.50	2.7	-135		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER,  SIMCO BLADDER,  GEOPUMP PERISTALTIC PUMP  
 TYPE OF TUBING:  SILICONE,  HIGH DENSITY POLYETHYLENE,  OTHER  
 TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL,  HORIBA U-50 W/ FLOW CELL,  OTHER  
 TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER,  SOLINST WATER METER,  OTHER

**ANALYTICAL PARAMETERS**

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinse / field blank required

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
 D-MS-MSD  
 9:15 9:20 9:25

2nd QTR '24"  
Area C

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: RFI-20A  
 TIME: START 9:40 END 11:00

SAMPLE ID: 2nd QTR '24'  
 SAMPLE EVENT: Area C  
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC  
 SAMPLE DATE: 6-4-24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.71 FT  
 WELL DEPTH: 15.2 FT  
 WELL DIAMETER: 2.0 IN

Well Conversion:  $\frac{0.17}{1.5} = 1.11$   
 3 purge volumes = 4.32 gallons

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 10:50  
 Purge Volume: 16.61 minutes to pump

TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS
9:55		10.16		15.36	1.52	7.18	0.36	236	-134	
10:00		10.18		15.66	1.50	7.17	0.30	16.2	-132	
10:05		10.05		15.70	1.53	7.17	0.32	28.3	-125	
10:10		10.10		15.78	1.53	7.15	0.34	20.2	-125	
10:15		10.18		15.60	1.55	7.15	0.34	19.0	-124	
10:20		10.24		15.46	1.58	7.14	0.33	18.7	-123	
10:25		10.32		15.44	1.60	7.14	0.32	19.6	-123	
10:30		10.38		15.42	1.61	7.14	0.32	22.4	-122	
10:35		10.46		15.39	1.62	7.13	0.32	23.8	-122	
10:40		10.54		15.41	1.62	7.12	0.34	8.4	-120	
10:45		10.67		15.46	1.62	7.12	0.34	6.2	-122	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  GEOPUMP PERISTALTIC PUMP  
 TYPE OF TUBING:  HIGH DENSITY POLYETHYLENE  
 TYPE OF WATER QUALITY METER:  HORIBA U-50 W/ FLOW CELL  
 TYPE OF WATER LEVEL DEVICE:  SOLINST WATER METER

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
STANDARD	<input checked="" type="checkbox"/>	VOC	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>	SVOC	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/>	SVOC	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/>	SVOC	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO  NUMBER OF GALLONS GENERATED:

**NOTES**  
 All equipment used either dedicated or deconned prior to arrival on site. No nseate / field blank required

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
 cloudy water  
 High NTU (Turbidity)

"2nd Q 24"  
"Area C"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation SAMPLE ID: 2nd QTR '24 ONTARIO SPECIALTY CONTRACTING, INC  
 WELL ID: PS-05A SAMPLE EVENT: Area C SAMPLE DATE: 6-4-2024  
 TIME: START 11:10 END 12:10 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors  
 1" = 0.04 gal/foot water      4" = 0.66 gal/foot water  
 2" = 0.17 gal/foot water      6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.17 FT  
 WELL DEPTH: 10.0 FT  
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL. REMOVED: \_\_\_\_\_ GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO

TIME OF SAMPLE COLLECTION: 12:00

\_\_\_\_\_ gallons x  $\frac{0.17}{\text{conversion}}$  = 0.65 1 purge volume  
 3 purge volumes = 1.95 gallons  
 \_\_\_\_\_ gallons x  $\frac{0.26 \text{ gal/min}}{\text{flow rate}}$  = 7.50 minutes to pump

PURGE DATA		SPECIFIC									
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS	
11:20		6.74	<del>10.20</del>	16.58	0.964	7.30	0.14	0.0	-182		
11:25		6.74		16.43	0.972	7.30	0.16	0.0	-184		
11:30		6.82		16.13	0.979	7.30	0.17	0.0	-183		
11:35		6.78		16.40	0.973	7.29	0.19	1.3	-181		
11:40		6.80		16.61	0.983	7.28	0.14	2.3	-178		
11:45		6.78		16.68	0.987	7.27	0.25	1.0	-177		
11:50		6.83		16.69	1.00	7.26	0.26	1.8	-175		
11:55		6.83		16.72	1.02	7.27	0.27	1.7	-175		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER  SIMCO BLADDER  GEOPUMP PERISTALTIC PUMP  
 TYPE OF TUBING:  SILICONE  HIGH DENSITY POLYETHYLENE  OTHER  
 TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL  HORIBA U-50 W/ FLOW CELL  OTHER  
 TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER  SOLINST WATER METER  OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
X	VOC	8260B HCL / 4 DEG. C	3 X 40 mL	X VOC
	SVOC	CLP 4 DEG. C	2 X 1 LAG	X SVOC
	TAL INORGANICS	CLP HNO3 to pH <2	1 X 1 LP	X TAL INORGANICS
X	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP 4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP 4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
X	VOC	8260B HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP 4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS
X	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B HCL / 4 DEG. C	X 40 mL	VOC
	SVOC	CLP 4 DEG. C	X 1 LAG	SVOC
X	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)
	VOC	8260B HCL / 4 DEG. C	X 40 mL	VOC
X	SVOC	CLP 4 DEG. C	X 1 LAG	SVOC
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS
	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED \_\_\_\_\_

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

**COMMENTS**

2nd Q 24  
"Area C"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation SAMPLE ID: 2nd QTR '24 ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RFI-31A SAMPLE EVENT: Area "C" SAMPLE DATE: 6-4-24

TIME: START 12:20 END 13:30 JOB NUMBER: 16011 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water      4" = 0.66 gal/foot water  
 2" = 0.17 gal/foot water      6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.45 FT  
 WELL DEPTH: 15.3 FT  
 WELL DIAMETER: 2.0 IN

water column 8.85 x conversion 0.17 = 1.50 1 purge volume  
 3 purge volumes = 4.50 gallons

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED:          GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO

TIME OF SAMPLE COLLECTION: 13:25      17.30 minutes to pump @ 0.26 gal/min flow rate

PURGE DATA				SPECIFIC							REDOX (ORP)	COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)				
12:30	7.82	-	-	17.92	7.98	7.47	38.30	0.0	-91			
12:35	8.06	-	-	18.06	7.99	7.45	14.06	0.0	-90			
12:40	8.67	-	-	18.16	8.03	7.44	11.22	0.0	-89			
12:45	9.09	-	-	18.11	8.09	7.44	2.36	0.0	-87			
12:50	9.44	-	-	17.90	8.11	7.43	4.78	0.0	-86			
12:55	9.88	-	-	17.79	8.12	7.43	4.82	0.0	-85			
1:00	10.31	-	-	17.72	8.12	7.43	4.18	0.0	-84			
1:05	10.74	-	-	17.73	8.12	7.42	4.42	0.0	-81			
1:10	11.08	-	-	17.85	8.11	7.42	4.25	0.0	-80			
1:15	11.41	-	-	17.87	8.12	7.42	3.85	0.0	-78			
1:20	11.84	-	-	17.92	8.10	7.43	3.44	0.0	-76			

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER  SIMCO BLADDER  GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  SILICONE  HIGH DENSITY POLYETHYLENE  OTHER

TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL  HORIBA U-50 W/ FLOW CELL  OTHER

TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER  SOLINST WATER METER  OTHER

**ANALYTICAL PARAMETERS**  
To Be Collected

STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	VOC	8260B HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/>	SVOC	CLP 4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP 4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP 4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/>	SVOC	CLP 4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED         

**NOTES**  
All equipment used either dedicated or decontaminated prior to arrival on site. No rinse / field blank required

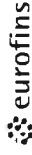
**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
High ms/cm  
Specific Conductance

**Eurofins Buffalo**

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

**Chain of Custody Record**



Environment Testing

<b>Client Information</b> Client Contact: Kirsten Colligan Company: Ontario Specialty Contracting, Inc. Address: 140 Lee St. City: Buffalo State, Zip: NY, 14210 Phone: 716-856-3333 Email: kcolligan@oscinc.com		Lab PM: Schove, John R E-Mail: John.Schove@st.eurofinsus.com State of Origin: NY		Carrier Tracking No(s): OSC Page: Page 1 of 1 Job #: 16011		COC No: 480-198753-6265.1 Preservation Codes: D - HMO3 A - HCL N - None	
Due Date Requested: Standing TAT Requested (days): 2 weeks Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 66996 W/O #: 67604		Analysis Requested Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 6010B, 7470A 8260B - TCL VOCs 8270C - TCL SVOCs + aniline		Total Number of containers: <input checked="" type="checkbox"/>		Special Instructions/Note:	
Sample ID: 9-16-24 Matrix: Water Sample Type: G (Grab) Sample Time: 13:15 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 9:15 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 10:25 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 12:00 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 10:30 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 10:35 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 10:40 Sample Date: 9-16-24	Matrix: Water Sample Type: G (Grab) Sample Time: 9:15 Sample Date: 9-16-24
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Jeff A Kuzelmann Date/Time: 9-16-2024 15:00 Company: OSC		Relinquished by:		Date/Time:		Method of Shipment:	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 253 4458		Cooler Temperature(s) °C and Other Remarks:		Company:	

"3A Area C" '24"



"3A Area C"  
"24"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT Buffalo Color Corporation SAMPLE ID 3RD QTR '24 ONTARIO SPECIALTY CONTRACTING, INC  
 WELL ID MW-C04 SAMPLE EVENT Area C SAMPLE DATE 9-16-24  
 TIME START 8:15 END 9:20 JOB NUMBER 16011 SAMPLER Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors  
 1" = 0.04 gal/foot water      4" = 0.66 gal/foot water  
 2" = 0.17 gal/foot water      6" = 1.5 gal/foot water

STATIC DEPTH TO WATER 6.02 FT  
 WELL DEPTH 16.2 FT  
 WELL DIAMETER 2.0 IN

NAPL REMOVAL METHOD  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND) ND FT  
 NAPL VOL REMOVED          GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED YES  NO

TIME OF SAMPLE COLLECTION 9:15

10.18 water column x  $\frac{0.17}{\text{conversion}}$  = 1.73 1 purge volume  
 3 purge volumes = 5.19 gallons  
 5.19 gallons x  $\frac{0.26 \text{ gal/min}}{\text{flow rate}}$  = 19.96 minutes to pump

PURGE DATA		SPECIFIC									
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)	COMMENTS	
8:20		6.03		17.21	2.24	5.51	32.0	0.0	-164		
8:25		6.05		16.90	2.23	5.41	21.20	0.0	-163		
8:30		6.03		16.98	2.25	5.41	15.88	0.0	-165		
8:35		6.05		17.01	2.25	5.46	15.26	0.0	-162		
8:40		6.04		17.08	2.26	5.51	13.58	0.0	-161		
8:45		6.06		17.01	2.26	5.56	13.42	0.0	-160		
8:50		6.04		16.98	2.26	5.62	13.01	0.0	-160		
8:55		6.06		17.10	2.26	5.72	4.27	0.0	-156		
9:00		6.05		17.22	2.27	5.79	4.40	0.0	-154		
9:05		6.05		17.31	2.27	5.84	4.21	0.0	-152		
9:10		6.05		17.46	2.27	5.90	3.97	0.0	-150		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER,  SIMCO BLADDER,  GEOPUMP PERISTALTIC PUMP  
 TYPE OF TUBING:  SILICONE,  HIGH DENSITY POLYETHYLENE,  OTHER  
 TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL,  HORIBA U-50 W/ FLOW CELL,  OTHER  
 TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER,  SOLINST WATER METER,  OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED		
STANDARD	<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/>	VOC
	<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/>	SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/>	TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/>	VOC
	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/>	SVOC
MS	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/>	VOC
MSD	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/>	SVOC
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED YES  NO  NUMBER OF GALLONS GENERATED         

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

SIGNATURE: \_\_\_\_\_

**COMMENTS**

"3A Area C"  
"24"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: RFI-20A  
 TIME: START 9:25 END 10:50  
 SAMPLE ID: 3RD QTR '24'  
 SAMPLE EVENT: AREA C  
 JOB NUMBER: 16011  
 ONTARIO SPECIALTY CONTRACTING, INC.  
 SAMPLE DATE: 9-16-24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 7.61 FT  
 WELL DEPTH: 15.2 FT  
 WELL DIAMETER: 2.0 IN

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL NON DETECT (ND): ND FT  
 NAPL VOL REMOVED: \_\_\_\_\_ GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

3 purge volumes = 3.87 gallons  
 0.17 conversion = 1.29  
 1 purge volume = 1.29  
 3.87 gallons x 0.26 gal/min flow rate = 14.88 minutes to pump

TIME OF SAMPLE COLLECTION: 10:25

PURGE DATA				SPECIFIC							COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (ms/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)		
9:30		9.40		21.64	1.38	6.54	2.10	110	-144		
9:35		9.77		20.06	1.44	6.88	4.19	106	-141		
9:40		10.11		19.69	1.46	6.97	3.91	60.3	-134		
9:45		10.15		19.20	1.34	6.92	2.87	18.5	-130		
9:50		10.17		19.69	1.36	6.93	2.33	10.7	-125		
9:55		10.15		19.56	1.37	6.97	3.34	9.21	-120		
10:00		10.17		18.49	1.40	6.97	3.24	5.3	-117		
10:05		10.36		18.31	1.41	6.96	3.27	4.4	-116		
10:10		10.59		18.29	1.42	6.97	3.21	3.7	-116		
10:15		10.73		18.13	1.44	6.98	3.20	3.3	-117		
10:20		10.93		18.21	1.45	6.99	3.13	2.8	-115		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  
 WAILER  
 SIMCO BLADDER  
 GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  
 SILICONE  
 HIGH DENSITY POLYETHYLENE  
 OTHER

TYPE OF WATER QUALITY METER:  
 YSI 556 MPS W/ FLOW CELL  
 HORIBA U-50 W/ FLOW CELL  
 OTHER

TYPE OF WATER LEVEL DEVICE:  
 GEOTECH INTERFACE METER  
 SOLINST WATER METER  
 OTHER

**ANALYTICAL PARAMETERS**  
To Be Collected

	STANDARD	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
STANDARD	<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
	<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
	<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
DUPLICATE	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
MS	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
	<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
MSD	<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
	<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO

NUMBER OF GALLONS GENERATED: \_\_\_\_\_

**NOTES**  
All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
D-10:30  
MS-10:35  
MSD-10:40

3Q Area C  
"24"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation  
 WELL ID: P5-05A  
 TIME: START 10:55 END 12:05

SAMPLE ID: 3RD QTR '24  
 SAMPLE EVENT: Area C  
 JOB NUMBER: 16011

ONTARIO SPECIALTY CONTRACTING, INC  
 SAMPLE DATE: 9.16.24  
 SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

STATIC DEPTH TO WATER: 6.62 FT  
 WELL DEPTH: 10.0 FT  
 WELL DIAMETER: 2.0 IN

**Well Conversion Factors**  
 1" = 0.04 gal/foot water  
 2" = 0.17 gal/foot water  
 3" = 0.34 gal/foot water  
 4" = 0.66 gal/foot water  
 6" = 1.5 gal/foot water

3 purge volumes = 1.71 gallons  
 Conversion: 0.17 x 10.0 = 1.71  
 Purge Volume: 1.71 / 3 = 0.57

NAPL REMOVAL METHOD:  
 BAILER  
 PERISTALTIC PUMP  
 ABSORBENT SOCK

DEPTH TO NAPL: ND FT  
 NAPL VOL REMOVED: \_\_\_\_\_ GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO   
 TIME OF SAMPLE COLLECTION: 12:00  
 Gallons x flow rate = 6.57 minutes to pump

**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
11:05		7.34		21.25	1.40	7.38	20.53	0.0	-206	
11:10		7.41		20.08	1.36	7.29	16.96	0.0	-220	
11:15		7.45		19.80	1.32	7.27	10.01	0.0	-236	
11:20		7.51		19.61	1.32	7.27	3.31	0.0	-251	
11:25		7.54		19.57	1.31	7.26	3.18	0.0	-263	
11:30		7.56		19.61	1.31	7.26	3.81	0.0	-264	
11:35		7.61		19.37	1.33	7.25	3.45	0.0	-271	
11:40		7.64		19.30	1.36	7.25	3.16	0.0	-268	
11:45		7.71		19.30	1.38	7.24	2.85	0.0	-264	
11:50		7.74		19.26	1.41	7.24	2.10	0.0	-254	
11:55		7.74		19.18	1.44	7.24	2.01	0.0	-254	

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  GEOPUMP PERISTALTIC PUMP  
 TYPE OF TUBING:  SILICONE  
 TYPE OF WATER QUALITY METER:  HORIBA U-50 W/ FLOW CELL  
 TYPE OF WATER LEVEL DEVICE:  SOLINST WATER METER

**ANALYTICAL PARAMETERS**

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/> SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/> SVOC
<input checked="" type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)
<input type="checkbox"/> VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/> VOC
<input type="checkbox"/> SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/> SVOC
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS
<input type="checkbox"/> TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/> TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO   
 NUMBER OF GALLONS GENERATED: \_\_\_\_\_

**NOTES**  
 All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**  
 water had Rotten Egg / sulfur odor

"3Q ARen C"  
"24"

**FIELD DATA RECORD - GROUNDWATER SAMPLING**

PROJECT: Buffalo Color Corporation      SAMPLE ID: 3RD QTR '24      ONTARIO SPECIALTY CONTRACTING, INC

WELL ID: RFI-31A      SAMPLE EVENT: ARen C      SAMPLE DATE: 9.16.24

TIME: START 12:10 END 13:20      JOB NUMBER: 16011      SAMPLER: Taylor Kunzelman

**WATER LEVEL / PUMP SETTINGS**

Well Conversion Factors:  
 1" = 0.04 gal/foot water      4" = 0.66 gal/foot water  
 2" = 0.17 gal/foot water      6" = 1.5 gal/foot water

STATIC DEPTH TO WATER: 6.68 FT  
 WELL DEPTH: 15.3 FT  
 WELL DIAMETER: 2.0 IN

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 13:15

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

3 purge volumes = 4.38 gallons

DEPTH TO NAPL NON DETECT (ND): ND FT

NAPL VOL. REMOVED: GAL

WELL PROTECTIVE CASING INTACT AND PROPERLY SECURED: YES  NO

TIME OF SAMPLE COLLECTION: 13:15

3 purge volumes = 4.38 gallons x 0.26 gal/min = 16.34 minutes to pump

PURGE DATA		SPECIFIC									COMMENTS
TIME	VOL (gal)	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP (deg. C)	CONDUCTANCE (mS/cm)	pH (units)	DISS O2 (mg/L)	TURBIDITY (ntu)	REDOX (ORP)		
12:20	2.20	8.01		20.56	8.44	7.66	24.01	0.0	-143		
12:25	8.01	8.01		20.56	8.31	7.59	18.07	0.0	-140		
12:30	8.51	8.51		20.14	8.07	7.48	16.05	0.0	-139		
12:35	8.82	8.82		19.99	7.99	7.44	14.45	0.0	-139		
12:40	9.42	9.42		19.95	7.77	7.42	3.87	0.0	-142		
12:45	9.83	9.83		20.01	7.70	7.41	3.31	0.0	-144		
12:50	10.27	10.27		20.14	7.68	7.40	3.46	0.0	-145		
12:55	10.77	10.77		20.21	7.68	7.40	3.01	0.0	-147		
13:00	11.11	11.11		20.21	7.69	7.39	3.27	0.0	-148		
13:05	11.56	11.56		20.15	7.59	7.39	2.91	0.0	-144		
13:10	11.94	11.94		20.18	7.58	7.39	1.36	0.0	-150		

**EQUIPMENT DOCUMENTATION**

TYPE OF PUMP:  WAILER,  SIMCO BLADDER,  GEOPUMP PERISTALTIC PUMP

TYPE OF TUBING:  SILICONE,  HIGH DENSITY POLYETHYLENE,  OTHER

TYPE OF WATER QUALITY METER:  YSI 556 MPS W/ FLOW CELL,  HORIBA U-50 W/ FLOW CELL,  OTHER

TYPE OF WATER LEVEL DEVICE:  GEOTECH INTERFACE METER,  SOLINST WATER METER,  OTHER

**ANALYTICAL PARAMETERS**

To Be Collected

STANDARD	METHOD	PRESERVATION	VOLUME REQUIRED	SAMPLE COLLECTED		
<input checked="" type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	3 X 40 mL	<input checked="" type="checkbox"/>	VOC
<input checked="" type="checkbox"/>	SVOC	CLP	4 DEG. C	2 X 1 LAG	<input checked="" type="checkbox"/>	SVOC
<input checked="" type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	1 X 1 LP	<input checked="" type="checkbox"/>	TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/>	VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/>	SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/>	VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/>	SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)
<input type="checkbox"/>	VOC	8260B	HCL / 4 DEG. C	X 40 mL	<input type="checkbox"/>	VOC
<input type="checkbox"/>	SVOC	CLP	4 DEG. C	X 1 LAG	<input type="checkbox"/>	SVOC
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS
<input type="checkbox"/>	TAL INORGANICS	CLP	HNO3 to pH <2	X 1 LP	<input type="checkbox"/>	TAL INORGANICS (FILTERED)

**PURGE OBSERVATIONS**

PURGE WATER CONTAINERIZED: YES  NO       NUMBER OF GALLONS GENERATED:

**NOTES**

All equipment used either dedicated or decontaminated prior to arrival on site. No rinseate / field blank required.

**SIGNATURE:** \_\_\_\_\_

**COMMENTS**

High specific conductance (mS/cm)

Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

Appendix C – SSD Tracking Log





**Appendix C**  
 Buffalo Color Corporation Site Area C  
 BCP Site #C915231  
 Test Port and Manometer Vacuum Levels

Manometer Vacuum Readings (wci)						
Date	Fan #1	Fan #2	Fan #3	Fan #4	Fan #5	Fan #6
6/6/2024	-0.758	-0.073	-0.809	-0.181	-0.206	-0.039
6/14/2024	-0.797	-0.102	-0.851	-0.039	-0.209	-0.065
6/21/2024	-0.786	-0.102	-0.842	-0.038	-0.201	-0.062
7/10/2024	-0.793	-0.104	-0.803	-0.037	-0.202	-0.059
7/19/2024	-0.810	-0.102	-0.858	-0.036	-0.209	-0.064
7/26/2024	-0.809	-0.103	-0.852	-0.039	-0.205	-0.069
8/2/2024	-0.807	-0.106	-0.862	-0.039	-0.211	-0.060
8/9/2024	-0.798	-0.105	-0.855	-0.039	-0.209	-0.059
8/19/2024	-0.807	-0.106	-0.861	-0.037	-0.211	-0.061
8/28/2024	-0.76	-0.069	-0.839	-0.147	-0.205	-0.042
9/11/2024	-0.487	-0.227	-0.534	-0.039	-0.115	-0.076
9/20/2024	-0.786	-0.094	-0.857	-0.033	-0.216	-0.06
10/10/2024	-0.42	-0.203	-0.481	-0.174	-0.101	-0.067
10/18/2024	-0.764	-0.067	-0.833	-0.15	-0.209	-0.032
10/23/2024	-0.763	-0.073	-0.853	-0.175	-0.205	-0.065

Sub-Slab Test Port Vacuum Readings (wci)					
Date	Test Port #1	Test Port #2	Test Port #3	Test Port #4	Test Port #5
6/4/2024	0	-0.021	-0.030	-0.010	-0.021
6/14/2024	0	0	-0.030	-0.012	-0.021
6/21/2024	0	0	-0.030	-0.012	-0.021
7/10/2024	0	0	-0.033	-0.013	-0.023
7/19/2024	0	0	-0.034	-0.013	-0.024
7/26/2024	0	0	-0.035	-0.013	-0.024
8/2/2024	0	0	-0.037	-0.014	-0.026
8/9/2024	0	0	-0.038	-0.014	-0.025
8/19/2024	0	0	-0.039	-0.014	-0.026
8/28/2024	0	0	-0.037	-0.01	-0.025
9/11/2024	0	0	-0.023	-0.023	-0.017
9/20/2024	0	0	-0.039	-0.013	-0.026
10/10/2024	0	0	-0.021	-0.021	-0.017
10/18/2024	0	0	-0.033	-0.009	-0.022
10/23/2024	0	0	-0.035	-0.013	-0.022

"wci" = inches of water column

a/ All vacuum readings collected with a Series 475 Mark III Digital manometer

**Ontario Specialty Contracting, Inc:  
Vacuum Check Log**

Vacuum?	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Initials
1/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
2/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
3/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
4/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
5/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
6/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
7/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
8/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
9/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
10/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
11/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW
12/1/2024	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	JMW

**NOTES**

tripped breaker issue remedied by LP on 09/10/24 & 10/01/24  
Breakers were replaced which remedied the issue.





Ontario Specialty Contracting, Inc:  
Vacuum Check Log - Readings

Vacuum?	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Initials
1/1/2024	0.φ2	0.φ1	0.φ3	0.φ1	0.φ3	0.φ1	TAMW
2/1/2024	0.φ2	0.φ1	0.φ3	0.φ1	0.φ3	0.φ1	TAMW
3/1/2024	0.φ1	0.φ1	0.φ3	0.φ1	0.φ3	0.φ1	TAMW
4/1/2024	0.φ1	0.φ1	0.φ3	0.φ1	0.φ2	0.φ1	TAMW
5/1/2024	0.φ1	0.φ1	0.φ3	0.φ1	0.φ3	0.φ2	TAMW
6/1/2024	0.φ1	0.φ1	0.φ4	0.φ1	0.φ1	0.φ2	TAMW
7/1/2024	0.φ1	0.2	0.φ9	0.φ2	0.4	0.φ1	TAMW
8/1/2024	0.φ1	0.2	1.5	0.4	1.5	0.φ1	TAMW
9/1/2024	0.1	0.7	1.5	0.4	2.0	sub 0	TAMW
10/1/2024	0.01	0.7	1.5	0.4	1.25	sub 0	TAMW
11/1/2024	0.01	0.7	<del>1.5</del> 0.8	<del>0.4</del> 2	1.0+	sub 0	TAMW
12/1/2024	0.01	0.6	0.75	0.4	1.0+	sub 0	TAMW

NOTES





Ontario Specialty Contracting, Inc:  
Vacuum Check Log

Vacuum?	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Initials
1/1/2023	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	MMW
2/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
3/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
4/1/2023	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	MMW
5/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
6/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
7/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
8/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
9/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
10/1/2023	Yes/No	Yes/No	*Yes/No	Yes/No	*Yes/No	Yes/No	MMW
11/1/2023	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	MMW
12/1/2023	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	MMW

NOTES

\* Stations show larger Vacuum  
(clean roof drains)



Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

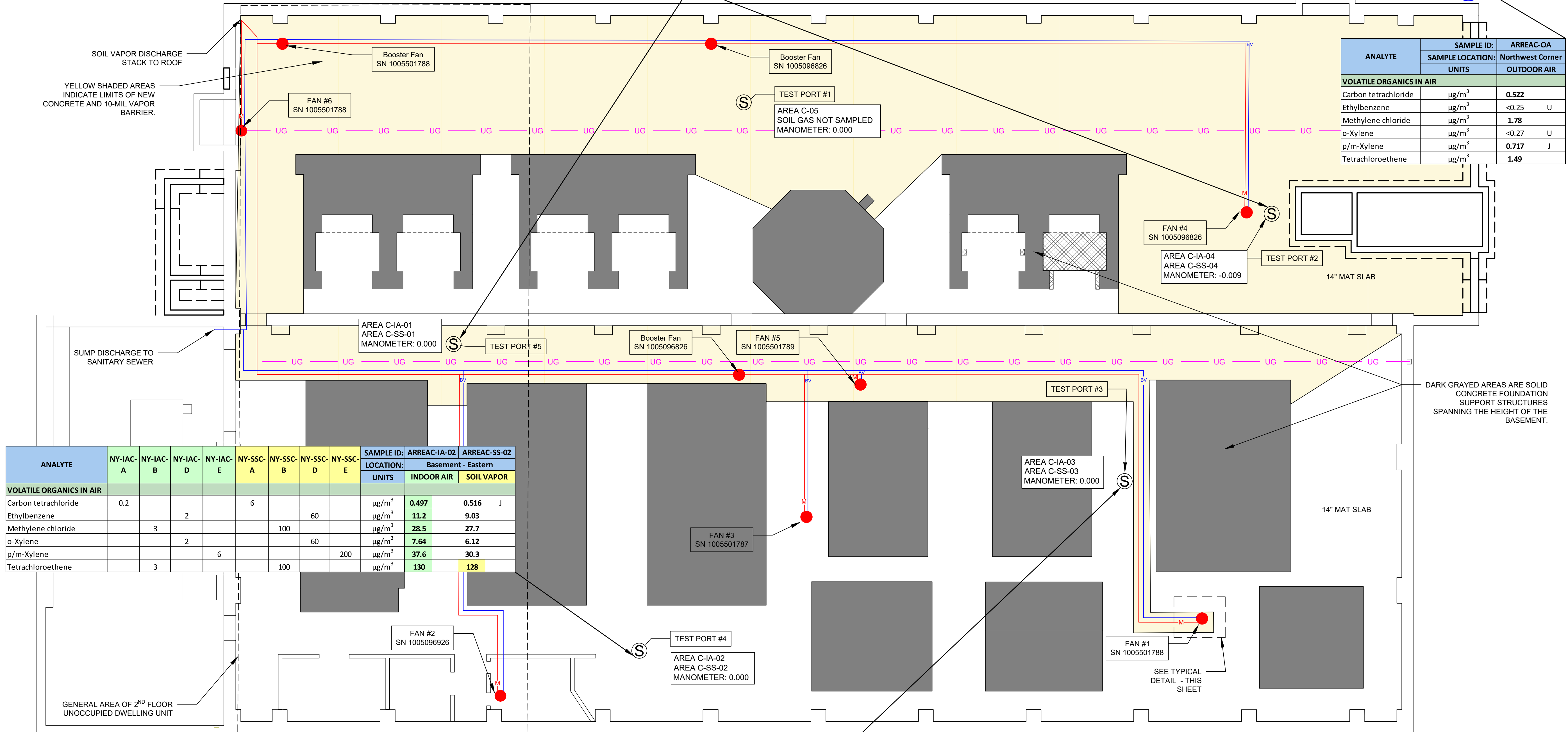
Appendix D – September 6, 2024 – Indoor Air Sampling Report Data Tables and Figures



ANALYTE	NY-IAC-A	NY-IAC-B	NY-IAC-D	NY-IAC-E	NY-SSC-A	NY-SSC-B	NY-SSC-D	NY-SSC-E	SAMPLE ID:	ARREAC-IA-01	ARREAC-SS-01	
	LOCATION: Basement - South, Central									UNITS	INDOOR AIR	SOIL VAPOR
<b>VOLATILE ORGANICS IN AIR</b>												
Carbon tetrachloride	0.2				6				$\mu\text{g}/\text{m}^3$	0.528	0.503	
Ethylbenzene			2				60		$\mu\text{g}/\text{m}^3$	8.51	9.03	
Methylene chloride		3					100		$\mu\text{g}/\text{m}^3$	26	25.8	
o-Xylene			2				60	60	$\mu\text{g}/\text{m}^3$	5.86	6.34	
p/m-Xylene				6				200	$\mu\text{g}/\text{m}^3$	28.1	29.8	
Tetrachloroethene		3					100		$\mu\text{g}/\text{m}^3$	143	148	

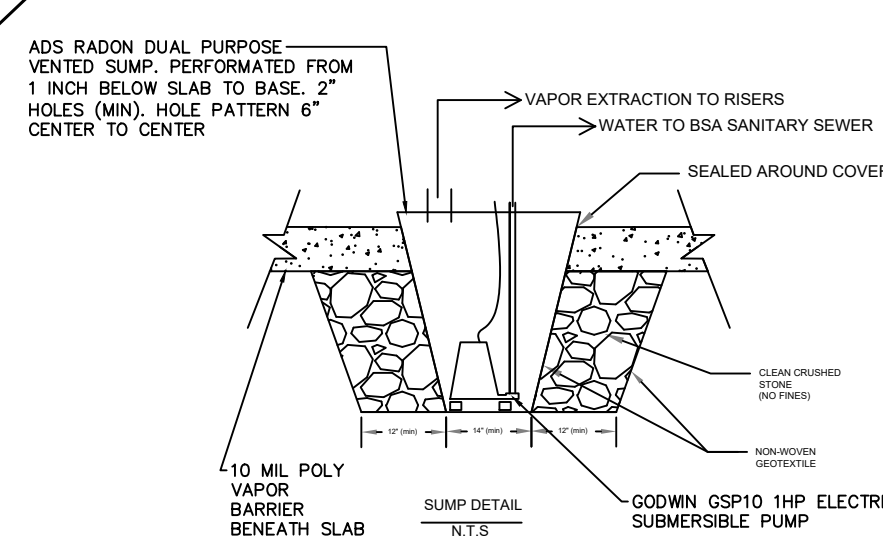
ANALYTE	NY-IAC-A	NY-IAC-B	NY-IAC-D	NY-IAC-E	NY-SSC-A	NY-SSC-B	NY-SSC-D	NY-SSC-E	SAMPLE ID:	ARREAC-IA-04	ARREAC-SS-04	
	LOCATION: Basement, North by Sump									UNITS	INDOOR AIR	SOIL VAPOR
<b>VOLATILE ORGANICS IN AIR</b>												
Carbon tetrachloride	0.2				6				$\mu\text{g}/\text{m}^3$	0.56	0.497	
Ethylbenzene			2				60		$\mu\text{g}/\text{m}^3$	8.73	8.99	
Methylene chloride		3					100		$\mu\text{g}/\text{m}^3$	23.2	24.6	
o-Xylene			2				60	60	$\mu\text{g}/\text{m}^3$	6.04	6.21	
p/m-Xylene				6				200	$\mu\text{g}/\text{m}^3$	28.7	29.5	
Tetrachloroethene		3					100		$\mu\text{g}/\text{m}^3$	131	138	

ANALYTE	SAMPLE ID: ARREAC-OA	
	SAMPLE LOCATION: Northwest Corner	UNITS
<b>VOLATILE ORGANICS IN AIR</b>		
Carbon tetrachloride	$\mu\text{g}/\text{m}^3$	0.522
Ethylbenzene	$\mu\text{g}/\text{m}^3$	<0.25 U
Methylene chloride	$\mu\text{g}/\text{m}^3$	1.78
o-Xylene	$\mu\text{g}/\text{m}^3$	<0.27 U
p/m-Xylene	$\mu\text{g}/\text{m}^3$	0.717 J
Tetrachloroethene	$\mu\text{g}/\text{m}^3$	1.49



ANALYTE	NY-IAC-A	NY-IAC-B	NY-IAC-D	NY-IAC-E	NY-SSC-A	NY-SSC-B	NY-SSC-D	NY-SSC-E	SAMPLE ID:	ARREAC-IA-02	ARREAC-SS-02	
	LOCATION: Basement - Eastern									UNITS	INDOOR AIR	SOIL VAPOR
<b>VOLATILE ORGANICS IN AIR</b>												
Carbon tetrachloride	0.2		2		6		60		$\mu\text{g}/\text{m}^3$	0.497	0.516	
Ethylbenzene							60		$\mu\text{g}/\text{m}^3$	11.2	9.03	
Methylene chloride		3					100		$\mu\text{g}/\text{m}^3$	28.5	27.7	
o-Xylene			2				60	60	$\mu\text{g}/\text{m}^3$	7.64	6.12	
p/m-Xylene				6				200	$\mu\text{g}/\text{m}^3$	37.6	30.3	
Tetrachloroethene		3					100		$\mu\text{g}/\text{m}^3$	130	128	

ANALYTE	NY-IAC-A	NY-IAC-B	NY-IAC-D	NY-IAC-E	NY-SSC-A	NY-SSC-B	NY-SSC-D	NY-SSC-E	SAMPLE ID:	ARREAC-IA-03	ARREAC-SS-03	
	LOCATION: Basement - Northeastern									UNITS	INDOOR AIR	SOIL VAPOR
<b>VOLATILE ORGANICS IN AIR</b>												
Carbon tetrachloride	0.2				6				$\mu\text{g}/\text{m}^3$	0.522	0.51	
Ethylbenzene			2				60		$\mu\text{g}/\text{m}^3$	11.1	10.4	
Methylene chloride		3					100		$\mu\text{g}/\text{m}^3$	28.2	27.1	
o-Xylene			2				60	60	$\mu\text{g}/\text{m}^3$	7.64	7.21	
p/m-Xylene				6				200	$\mu\text{g}/\text{m}^3$	35.7	34.6	
Tetrachloroethene		3					100		$\mu\text{g}/\text{m}^3$	142	141	



- LEGEND:**
- UG 3 INCH DIAMETER PERFORATED HDPE PIPING BELOW NEW SLAB
  - 2 INCH DIAMETER SCHEDULE 40 PVC WATER DISCHARGE LINE MOUNTED OVERHEAD
  - 4 INCH DIAMETER SCHEDULE 40 PVC SOIL VAPOR EXTRACTION LINE MOUNTED OVERHEAD
  - COMBINED WATER AND SOIL VAPOR COLLECTION SUMP - FAN LOCATION
  - S SUB SLAB DEPRESSURIZATION SAMPLE PORT
  - M MANOMETER LOCATION
  - BV 2 INCH DIAMETER BALL CHECK VALVE (WATER DISCHARGE LINE)
- Note: Booster fans were not operating during sub-slab or indoor air sample collection.

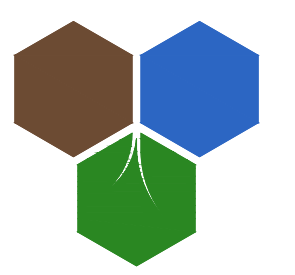
DRAWING BY: T. WALDROP  
 CHECKED: J. BLACK  
 APPROVED: J. BLACK

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**Supplemental Sub-Slab and Indoor Air Sampling Program - March 2024**  
**Buffalo Color Corporation Site Area C**  
**Erie County, Site No. C915231**

**INVENTUM ENGINEERING**  
 441 CARLISLE DRIVE  
 SUITE C  
 HERNDON, VIRGINIA 20170  
 www.inventumeng.com



**FIGURE 1**

**D**

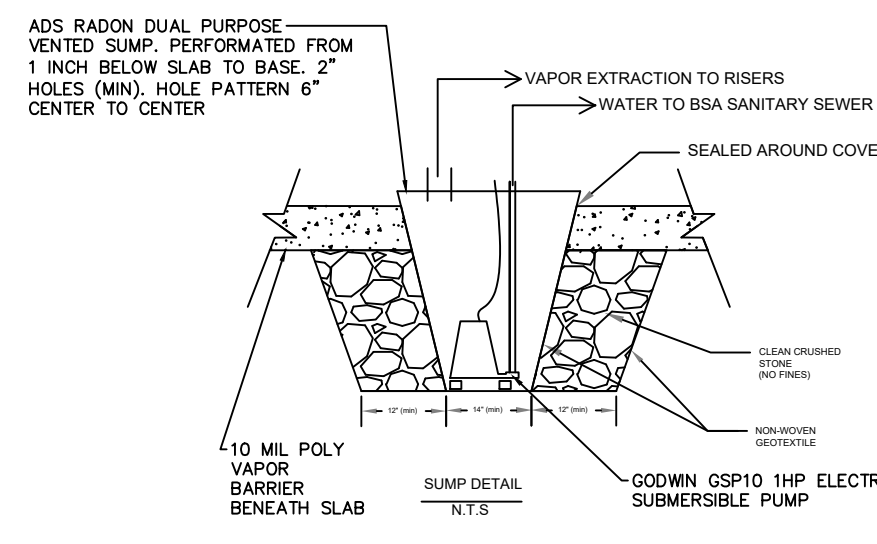


LOCATION: AREA C-01			
MATRIX	MATRIX ACTION	ANALYTE(S)	SS/IA
MATRIX A	No Further Action	Carbon Tetrachloride	IA
MATRIX B	Identify Source(s) or Resample or Mitigate	Methylene chloride	IA
MATRIX B	Mitigate	Tetrachloroethene	SS/IA
MATRIX D	No Further Action	Ethylbenzene, o-Xylene	IA
MATRIX E	Identify Source(s) or Resample or Mitigate	p/m-xylene	IA

LOCATION: AREA C-04			
MATRIX	MATRIX ACTION	ANALYTE(S)	SS/IA
MATRIX A	No Further Action	Carbon Tetrachloride	IA
MATRIX B	Identify Source(s) or Resample or Mitigate	Methylene chloride	IA
MATRIX B	Mitigate	Tetrachloroethene	SS/IA
MATRIX D	No Further Action	Ethylbenzene, o-Xylene	IA
MATRIX E	Identify Source(s) or Resample or Mitigate	p/m-xylene	IA

LOCATION: AREA C-03			
MATRIX	MATRIX ACTION	ANALYTE(S)	SS/IA
MATRIX A	No Further Action	Carbon Tetrachloride	IA
MATRIX B	Identify Source(s) or Resample or Mitigate	Methylene chloride	IA
MATRIX B	Mitigate	Tetrachloroethene	SS/IA
MATRIX D	No Further Action	o-Xylene	IA
MATRIX D	Identify Source(s) or Resample or Mitigate	Ethylbenzene	IA
MATRIX E	Identify Source(s) or Resample or Mitigate	p/m-xylene	IA

LOCATION: AREA C-02			
MATRIX	MATRIX ACTION	ANALYTE(S)	SS/IA
MATRIX A	No Further Action	Carbon Tetrachloride	IA
MATRIX B	Identify Source(s) or Resample or Mitigate	Methylene chloride	IA
MATRIX B	Mitigate	Tetrachloroethene	SS/IA
MATRIX D	No Further Action	o-Xylene	IA
MATRIX D	Identify Source(s) or Resample or Mitigate	Ethylbenzene	IA
MATRIX E	Identify Source(s) or Resample or Mitigate	p/m-xylene	IA



LEGEND:

- UG 3 INCH DIAMETER PERFORATED HDPE PIPING BELOW NEW SLAB
- 2 INCH DIAMETER SCHEDULE 40 PVC WATER DISCHARGE LINE MOUNTED OVERHEAD
- 4 INCH DIAMETER SCHEDULE 40 PVC SOIL VAPOR EXTRACTION LINE MOUNTED OVERHEAD
- COMBINED WATER AND SOIL VAPOR COLLECTION SUMP - FAN LOCATION
- ⊙ SUB SLAB DEPRESSURIZATION SAMPLE PORT
- M- MANOMETER LOCATION
- BV- 2 INCH DIAMETER BALL CHECK VALVE (WATER DISCHARGE LINE)

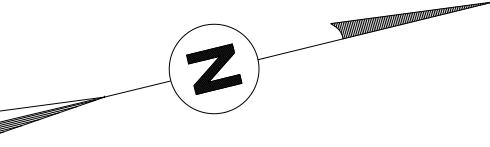
Note: Booster fans were not operating during sub-slab or indoor air sample collection.

SOIL VAPOR DISCHARGE STACK TO ROOF

YELLOW SHADED AREAS INDICATE LIMITS OF NEW CONCRETE AND 10-MIL VAPOR BARRIER.

SUMP DISCHARGE TO SANITARY SEWER

GENERAL AREA OF 2<sup>ND</sup> FLOOR UNOCCUPIED DWELLING UNIT



OA

DARK GRAYED AREAS ARE SOLID CONCRETE FOUNDATION SUPPORT STRUCTURES SPANNING THE HEIGHT OF THE BASEMENT.

DRAWING BY	T. WALDROP
CHECKED	J. BLACK
APPROVED	J. BLACK

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Supplemental Sub-Slab and Indoor Air Sampling Program - March 2024  
 Buffalo Color Corporation Site Area C  
 Erie County, Site No. C915231

INVENTUM ENGINEERING  
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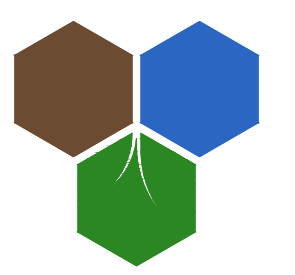


FIGURE 2

D



Table 1  
Former Buffalo Color - Area C  
BCP Site #C915231  
Basement Indoor Air Sub-Slab Sampling - All Results

ANALYTE	NYSDOH Indoor Air Vapor Concentration Criteria (a)						NYSDOH Sub-slab Vapor Concentration Criteria (a)						SAMPLE ID:	ARREAC-IA-01	ARREAC-SS-01	ARREAC-IA-02	ARREAC-SS-02	ARREAC-IA-03	ARREAC-SS-03	ARREAC-IA-04	ARREAC-SS-04	ARREAC-OA									
													LAB ID:	L2416214-01	L2416214-02	L2416214-03	L2416214-04	L2416214-05	L2416214-06	L2416214-07	L2416214-08	L2416214-09									
													COLLECTION DATE:	3/25/2024			3/25/2024			3/25/2024			3/25/2024								
													SAMPLE LOCATION:	Basement - South, Central			Basement - Eastern			Basement - Northeastern			Basement, North by Sump			Northwest Corner					
													SAMPLE INTERVAL:	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	OUTDOOR AIR							
												UNITS																			
VOLATILE ORGANICS IN AIR																															
1,1,1-Trichloroethane		3						100					µg/m <sup>3</sup>	1.4		1.59		1.45		1.48		2.25		2.21		1.48		1.6		<0.032	U
1,1,2,2-Tetrachloroethane													µg/m <sup>3</sup>	<0.357	U	<0.357	U	<0.357	U	<0.357	U	<0.357	U	<0.357	U	<0.357	U	<0.357	U	<0.357	U
1,1,2-Trichloroethane													µg/m <sup>3</sup>	<0.318	U	<0.318	U	<0.318	U	<0.318	U	<0.318	U	<0.318	U	<0.318	U	<0.318	U	<0.318	U
1,1-Dichloroethane													µg/m <sup>3</sup>	0.344	J	0.376	J	0.364	J	0.344	J	0.603	J	0.639	J	0.393	J	0.385	J	<0.23	U
1,1-Dichloroethene	0.2							6					µg/m <sup>3</sup>	<0.031	U	<0.225	U	<0.031	U	<0.225	U	<0.031	U	<0.225	U	<0.031	U	<0.225	U	<0.031	U
1,2,4-Trichlorobenzene													µg/m <sup>3</sup>	<0.742	U	<0.742	U	<0.742	U	<0.742	U	<0.742	U	<0.742	U	<0.742	U	<0.742	U	<0.742	U
1,2,4-Trimethylbenzene				2						60			µg/m <sup>3</sup>	0.792	J	1.1	J	0.846	J	0.934	J	0.919	J	1.07	J	0.914	J	0.914	J	<0.284	U
1,2-Dibromoethane													µg/m <sup>3</sup>	<0.418	U	<0.418	U	<0.418	U	<0.418	U	<0.418	U	<0.418	U	<0.418	U	<0.418	U	<0.418	U
1,2-Dichlorobenzene													µg/m <sup>3</sup>	<0.372	U	<0.372	U	<0.372	U	<0.372	U	<0.372	U	<0.372	U	<0.372	U	<0.372	U	<0.372	U
1,2-Dichloroethane													µg/m <sup>3</sup>	<0.319	U	<0.319	U	<0.319	U	<0.319	U	<0.319	U	<0.319	U	<0.319	U	<0.319	U	<0.319	U
1,2-Dichloropropane													µg/m <sup>3</sup>	<0.292	U	<0.292	U	<0.292	U	<0.292	U	<0.292	U	<0.292	U	<0.292	U	<0.292	U	<0.292	U
1,3,5-Trimethylbenzene				2						60			µg/m <sup>3</sup>	<0.295	U	0.398	J	0.31	J	0.329	J	0.418	J	0.388	J	0.32	J	0.329	J	<0.295	U
1,3-Butadiene													µg/m <sup>3</sup>	<0.137	U	<0.137	U	<0.137	U	<0.137	U	<0.137	U	<0.137	U	<0.137	U	<0.137	U	<0.137	U
1,3-Dichlorobenzene													µg/m <sup>3</sup>	<0.467	U	<0.467	U	<0.467	U	<0.467	U	<0.467	U	<0.467	U	<0.467	U	<0.467	U	<0.467	U
1,4-Dichlorobenzene													µg/m <sup>3</sup>	<0.497	U	<0.497	U	<0.497	U	<0.497	U	<0.497	U	<0.497	U	<0.497	U	<0.497	U	<0.497	U
1,4-Dioxane													µg/m <sup>3</sup>	<0.194	U	<0.194	U	<0.194	U	<0.194	U	<0.194	U	<0.194	U	<0.194	U	<0.194	U	<0.194	U
2,2,4-Trimethylpentane				2						60			µg/m <sup>3</sup>	<0.323	U	<0.323	U	<0.323	U	<0.323	U	<0.323	U	<0.323	U	<0.323	U	<0.323	U	<0.323	U
2-Butanone													µg/m <sup>3</sup>	8.82		9.32		7.85		8.2		12		10.1		8.35		8.55		0.817	J
2-Hexanone													µg/m <sup>3</sup>	1.3		1.45		1.13		1.02		1.61		1.41		0.938		1.03		<0.374	U
3-Chloropropene													µg/m <sup>3</sup>	<0.269	U	<0.269	U	<0.269	U	<0.269	U	<0.269	U	<0.269	U	<0.269	U	<0.269	U	<0.269	U
4-Ethyltoluene													µg/m <sup>3</sup>	<0.272	U	<0.272	U	<0.272	U	<0.272	U	<0.272	U	<0.272	U	<0.272	U	<0.272	U	<0.272	U
4-Methyl-2-pentanone													µg/m <sup>3</sup>	<0.779	U	<0.779	U	<0.779	U	<0.779	U	<0.779	U	<0.779	U	<0.779	U	<0.779	U	<0.779	U
Acetone													µg/m <sup>3</sup>	58		63.2		52		59.1		68.2		69.4		54.4		59.1		11	
Benzene				2						60			µg/m <sup>3</sup>	0.671		0.738		0.655		0.703		0.725		0.744		0.696		0.7		0.457	J
Benzyl chloride													µg/m <sup>3</sup>	<0.486	U	<0.486	U	<0.486	U	<0.486	U	<0.486	U	<0.486	U	<0.486	U	<0.486	U	<0.486	U
Bromodichloromethane													µg/m <sup>3</sup>	<0.462	U	<0.462	U	<0.462	U	<0.462	U	<0.462	U	<0.462	U	<0.462	U	<0.462	U	<0.462	U
Bromoform													µg/m <sup>3</sup>	<0.616	U	<0.616	U	<0.616	U	<0.616	U	<0.616	U	<0.616	U	<0.616	U	<0.616	U	<0.616	U
Bromomethane													µg/m <sup>3</sup>	<0.212	U	<0.212	U	<0.212	U	0.28	J	0.322	J	0.516	J	<0.212	U	0.342	J	<0.212	U
Carbon disulfide													µg/m <sup>3</sup>	0.557	J	0.601	J	0.551	J	0.548	J	0.682		0.691		0.607	J	0.595	J	<0.145	U
Carbon tetrachloride	0.2							6					µg/m <sup>3</sup>	0.528		0.503	J	0.497		0.516	J	0.522		0.51	J	0.56		0.497	J	0.522	
Chlorobenzene													µg/m <sup>3</sup>	<0.238	U	<0.238	U	<0.238	U	<0.238	U	0.267	J	<0.238	U	<0.238	U	<0.238	U	<0.238	U
Chloroethane													µg/m <sup>3</sup>	<0.171	U	<0.171	U	<0.171	U	<0.171	U	<0.171	U	0.451	J	<0.171	U	<0.171	U	<0.171	U
Chloroform													µg/m <sup>3</sup>	0.41	J	0.41	J	0.469	J	0.415	J	0.498	J	0.513	J	0.425	J	0.415	J	<0.27	U
Chloromethane													µg/m <sup>3</sup>	1.19		1.19		1.12		1.27		1.18		1.67		1.21		1.22		1.33	



Table 1  
Former Buffalo Color - Area C  
BCP Site #C915231  
Basement Indoor Air Sub-Slab Sampling - All Results

ANALYTE	NYSDOH Indoor Air Vapor Concentration Criteria (a)						NYSDOH Sub-slab Vapor Concentration Criteria (a)						SAMPLE ID:	ARREAC-IA-01	ARREAC-SS-01	ARREAC-IA-02	ARREAC-SS-02	ARREAC-IA-03	ARREAC-SS-03	ARREAC-IA-04	ARREAC-SS-04	ARREAC-OA				
													LAB ID:	L2416214-01	L2416214-02	L2416214-03	L2416214-04	L2416214-05	L2416214-06	L2416214-07	L2416214-08	L2416214-09				
													COLLECTION DATE:	3/25/2024			3/25/2024			3/25/2024			3/25/2024			
													SAMPLE LOCATION:	Basement - South, Central			Basement - Eastern			Basement - Northeastern			Basement, North by Sump			Northwest Corner
													SAMPLE INTERVAL:	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	OUTDOOR AIR				
												UNITS														
VOLATILE ORGANICS IN AIR																										
cis-1,2-Dichloroethene	0.2						6																			
cis-1,3-Dichloropropene																										
Cyclohexane				2							60															
Dibromochloromethane																										
Dichlorodifluoromethane																										
Ethanol																										
Ethyl Acetate																										
Ethylbenzene				2							60															
Freon-113																										
Freon-114																										
Heptane					6							200														
Hexachlorobutadiene																										
Isopropanol																										
Methyl tert butyl ether																										
Methylene chloride		3									100															
n-Hexane					6							200														
Naphthalene				2							60															
o-Xylene				2							60															
p/m-Xylene					6							200														
Styrene																										
Tertiary butyl Alcohol																										
Tetrachloroethene		3									100															
Tetrahydrofuran																										
Toluene					10							300														
trans-1,2-Dichloroethene																										
trans-1,3-Dichloropropene																										
Trichloroethene	0.2						6																			
Trichlorofluoromethane																										
Vinyl bromide																										
Vinyl chloride			0.2								6															

\* Comparison is not performed on parameters with non-numeric criteria.

- NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
- NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
- NY-IAC-C: New York DOH Matrix C Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
- NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
- NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
- NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

Bolded results indicate reportable detection; Yellow highlighted results indicate exceedance of Sub-Slab Criteria; Green highlighted results indicate exceedance of Indoor Air Criteria.

“-” Comparative criteria not available; “U” - analyte not detected above reporting limit shown  
ug/m3 = micrograms per cubic meter





Table 2  
 Former Buffalo Color - Area C  
 BCP Site #C915231  
 Basement Indoor Sub-Slab Sampling  
 NYSDOH Matrix Action Summary

Matrix A Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
Trichloroethene (TCE)	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
cis-1,2-Dichloroethene (DCE)	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
1,1-Dichloroethene (1,1-DCE)	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Carbon Tetrachloride	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A

Matrix B Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
Tetrachloroethene (PCE)	N/A	N/A	N/A	Area C-01 Area C-02 Area C-03 Area C-04
1,1,1-Trichloroethane (1,1,1-TCA)	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Methylene Chloride	N/A	N/A	Area C-01 Area C-02 Area C-03 Area C-04	N/A

Matrix C Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
Vinyl Chloride	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A



Table 2  
Former Buffalo Color - Area C  
BCP Site #C915231  
Basement Indoor Sub-Slab Sampling  
NYSDOH Matrix Action Summary

Matrix D Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
Benzene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Ethylbenzene	Area C-01 Area C-04	N/A	Area C-02 Area C-03	N/A
Naphthalene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Cyclohexane	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Isooctane (2,2,4-trimethylpentane)	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
1,2,4-trimethylbenzene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
1,3,5-trimethylbenzene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
o-xylene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A

Matrix E Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
m-Xylene	N/A	N/A	Area C-01 Area C-02 Area C-03 Area C-04	N/A
p-Xylene	N/A	N/A	Area C-01 Area C-02 Area C-03 Area C-04	N/A
Heptane	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A
Hexane	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A

Matrix F Analytes	Recommended Matrix Action at Sample Location			
	No Further Action	Monitor	Identify Source(s) and Resample or Mitigate	Mitigate
Toluene	Area C-01 Area C-02 Area C-03 Area C-04	N/A	N/A	N/A

"N/A" = No samples meet criteria for noted recommended matrix action



Table 3  
Former Buffalo Color - Area C  
BCP Site #C915231  
NYS Fuel Oil study - EPA BASE Study

ANALYTE (a)	CAS	NYSDOH Fuel Oil Study Upper Fence (µg/m3) (b)	EPA BASE Database 90th Percentile (µg/m3) (c)	SAMPLE ID:	ARREAC-IA-01	ARREAC-IA-02	ARREAC-IA-03	ARREAC-IA-04				
				LAB ID:	L2416214-01	L2416214-03	L2416214-05	L2416214-07				
				COLLECTION DATE:	3/25/2024	3/25/2024	3/25/2024	3/25/2024				
				SAMPLE LOCATION:	Basement - South, Central	Basement - Eastern	Basement - Northeastern	Basement, North by Sump				
SAMPLE INTERVAL:	INDOOR AIR		INDOOR AIR		INDOOR AIR		INDOOR AIR					
				UNITS								
<b>VOLATILE ORGANICS IN AIR</b>												
1,1,2,2-Tetrachloroethane	79-34-5	0.4	-	µg/m <sup>3</sup>	<0.357	U	<0.357	U	<0.357	U	<0.357	U
1,1,2-Trichloroethane	79-00-5	0.4	<1.5	µg/m <sup>3</sup>	<0.318	U	<0.318	U	<0.318	U	<0.318	U
1,1-Dichloroethane	75-34-3	0.4	<0.7	µg/m <sup>3</sup>	0.344	J	0.364	J	<b>0.603</b>	J	0.393	J
1,2,4-Trichlorobenzene	120-82-1	0.5	<6.8	µg/m <sup>3</sup>	<0.742	U	<0.742	U	<0.742	U	<0.742	U
1,2-Dibromoethane	106-93-4	0.4	<1.5	µg/m <sup>3</sup>	<0.418	U	<0.418	U	<0.418	U	<0.418	U
1,2-Dichlorobenzene	95-50-1	0.5	<1.2	µg/m <sup>3</sup>	<0.372	U	<0.372	U	<0.372	U	<0.372	U
1,2-Dichloroethane	107-06-2	0.4	<0.9	µg/m <sup>3</sup>	<0.319	U	<0.319	U	<0.319	U	<0.319	U
1,2-Dichloropropane	78-87-5	0.4	<1.6	µg/m <sup>3</sup>	<0.292	U	<0.292	U	<0.292	U	<0.292	U
1,3-Butadiene	106-99-0	-	<3.0	µg/m <sup>3</sup>	<0.137	U	<0.137	U	<0.137	U	<0.137	U
1,3-Dichlorobenzene	541-73-1	0.5	<2.4	µg/m <sup>3</sup>	<0.467	U	<0.467	U	<0.467	U	<0.467	U
1,4-Dichlorobenzene	106-46-7	1.2	5.5	µg/m <sup>3</sup>	<0.497	U	<0.497	U	<0.497	U	<0.497	U
1,4-Dioxane	123-91-1	-	-	µg/m <sup>3</sup>	<0.194	U	<0.194	U	<0.194	U	<0.194	U
2-Butanone	78-93-3	16	12	µg/m <sup>3</sup>	8.82		7.85		12		8.35	
2-Hexanone	591-78-6	-	-	µg/m <sup>3</sup>	1.3		1.13		1.61		0.938	
3-Chloropropene	107-05-1	-	-	µg/m <sup>3</sup>	<0.269	U	<0.269	U	<0.269	U	<0.269	U
4-Ethyltoluene	622-96-8	-	3.6	µg/m <sup>3</sup>	<0.272	U	<0.272	U	<0.272	U	<0.272	U
4-Methyl-2-pentanone	108-10-1	1.9	6	µg/m <sup>3</sup>	<0.779	U	<0.779	U	<0.779	U	<0.779	U
Acetone	67-64-1	115	98.9	µg/m <sup>3</sup>	58		52		68.2		54.4	
Benzyl chloride	100-44-7	-	<6.8	µg/m <sup>3</sup>	<0.486	U	<0.486	U	<0.486	U	<0.486	U
Bromodichloromethane	75-27-4	-	-	µg/m <sup>3</sup>	<0.462	U	<0.462	U	<0.462	U	<0.462	U
Bromoform	75-25-2	-	-	µg/m <sup>3</sup>	<0.616	U	<0.616	U	<0.616	U	<0.616	U
Bromomethane	74-83-9	0.5	<1.7	µg/m <sup>3</sup>	<0.212	U	<0.212	U	0.322	J	<0.212	U
Carbon disulfide	75-15-0	-	4.2	µg/m <sup>3</sup>	0.557	J	0.551	J	0.682		0.607	J
Chlorobenzene	108-90-7	0.4	<0.9	µg/m <sup>3</sup>	<0.238	U	<0.238	U	0.267	J	<0.238	U
Chloroethane	75-00-3	0.4	<1.1	µg/m <sup>3</sup>	<0.171	U	<0.171	U	<0.171	U	<0.171	U
Chloroform	67-66-3	1.2	1.1	µg/m <sup>3</sup>	0.41	J	0.469	J	0.498	J	0.425	J
Chloromethane	74-87-3	4.2	3.7	µg/m <sup>3</sup>	1.19		1.12		1.18		1.21	
cis-1,3-Dichloropropene	10061-01-5	0.4	<2.3	µg/m <sup>3</sup>	<0.306	U	<0.306	U	<0.306	U	<0.306	U
Dibromochloromethane	124-48-1	-	-	µg/m <sup>3</sup>	<0.482	U	<0.482	U	<0.482	U	<0.482	U
Dichlorodifluoromethane	75-71-8	10	16.5	µg/m <sup>3</sup>	2.82		2.76		2.89		2.86	
Ethanol	64-17-5	1300	210	µg/m <sup>3</sup>	<b>906</b>		<b>718</b>		<b>820</b>		<b>914</b>	
Ethyl Acetate	141-78-6	-	5.4	µg/m <sup>3</sup>	3.78		3.86		3.89		3.93	
Freon-113	76-13-1	2.5	-	µg/m <sup>3</sup>	0.636	J	0.667	J	0.659	J	0.651	J
Freon-114	76-14-2	0.4	-	µg/m <sup>3</sup>	<0.352	U	<0.352	U	<0.352	U	<0.352	U
Hexachlorobutadiene	87-68-3	0.5	<6.8	µg/m <sup>3</sup>	<0.647	U	<0.647	U	<0.647	U	<0.647	U
Isopropanol	67-63-0	-	-	µg/m <sup>3</sup>	3.15		3.05		3.81		4.55	
Methyl tert butyl ether	1634-04-4	14	11.5	µg/m <sup>3</sup>	<0.162	U	<0.162	U	<0.162	U	<0.162	U
Styrene	100-42-5	1.4	1.9	µg/m <sup>3</sup>	1.11		1.16		1.32		1.34	
Tertiary butyl Alcohol	75-65-0	-	-	µg/m <sup>3</sup>	2.86		2.6		3.58		3.06	
Tetrahydrofuran	109-99-9	0.8	-	µg/m <sup>3</sup>	<b>10.2</b>		<b>8.7</b>		<b>11</b>		<b>9.35</b>	
trans-1,2-Dichloroethene	156-60-5	-	-	µg/m <sup>3</sup>	<0.299	U	<0.299	U	<0.299	U	<0.299	U
trans-1,3-Dichloropropene	10061-02-6	-	<1.3	µg/m <sup>3</sup>	<0.355	U	<0.355	U	<0.355	U	<0.355	U
Trichlorofluoromethane	75-69-4	12	18.1	µg/m <sup>3</sup>	2.64		2.54		3.02		2.64	
Vinyl bromide	593-60-2	-	-	µg/m <sup>3</sup>	<0.316	U	<0.316	U	<0.316	U	<0.316	U

\* Comparison is not performed on parameters with non-numeric criteria. "-" comparative criteria not available from reference source shown.

(a) Analytes on the New York DOH Matrices contained in the Guidance for Evaluating Soil Vapor Intrusion, October 2006, and Updated May 2017 are not shown or included in the tabulation and comparison to the NYS Fuel Oil Study Upper Fence or the 90th Percentile of the EPA BASE Study. Only indoor air sample results shown.

(b) NYSDOH Summary of Indoor and Outdoor Levels of VOCs from Fuel Oil Heated Homes in NYS, 1997-2003, Revised November 14, 2005. Table C1 (Appendix C) of NYSDOH Guidance Document referenced in (a). Sample results with detectable concentrations greater than upper fence value shown are highlighted in yellow.

(c) Building Assessment Survey Evaluation (BASE) database, SUMMA canister Method. Table C2 (Appendix C) of NYSDOH Guidance Document referenced in (a). Sample results with detectable concentrations greater than 90th percentile value are highlighted in orange.

Bolded results indicate reportable detection

"U" - analyte not detected above reporting limit shown; "J" - Estimated value. Result below the reporting limit but above the method detection limit.

ug/m3 = micrograms per cubic meter



**Table 4**  
Former Buffalo Color - Area C  
BCP Site #C915231  
Test Port and Manometer Vacuum Levels

Manometer Vacuum Readings (wci)						
Date	Fan #1	Fan #2	Fan #3	Fan #4	Fan #5	Fan #6
6/6/2024	-0.758	-0.073	-0.809	-0.181	-0.206	-0.039
6/14/2024	-0.797	-0.102	-0.851	-0.039	-0.209	-0.065
6/21/2024	-0.786	-0.102	-0.842	-0.038	-0.201	-0.062
7/10/2024	-0.793	-0.104	-0.803	-0.037	-0.202	-0.059
7/19/2024	-0.810	-0.102	-0.858	-0.036	-0.209	-0.064
7/26/2024	-0.809	-0.103	-0.852	-0.039	-0.205	-0.069
8/2/2024	-0.807	-0.106	-0.862	-0.039	-0.211	-0.060
8/9/2024	-0.798	-0.105	-0.855	-0.039	-0.209	-0.059

Sub-Slab Test Port Vacuum Readings (wci)					
Date	Test Port #1	Test Port #2	Test Port #3	Test Port #4	Test Port #5
6/4/2024	0	-0.021	-0.030	-0.010	-0.021
6/14/2024	0	0	-0.030	-0.012	-0.021
6/21/2024	0	0	-0.030	-0.012	-0.021
7/10/2024	0	0	-0.033	-0.013	-0.023
7/19/2024	0	0	-0.034	-0.013	-0.024
7/26/2024	0	0	-0.035	-0.013	-0.024
8/2/2024	0	0	-0.037	-0.014	-0.026
8/9/2024	0	0	-0.038	-0.014	-0.025



"wci" = inches of water column

a/ All vacuum readings collected with a Series 475 Mark III Digital manometer

Buffalo Color Corporation Site Area C Site Management Periodic Review Report  
229 Elk Street, Buffalo, New York  
NYSDEC Site Number C915231  
Dates Covered by Report: October 5, 2023 to October 5, 2024

Appendix E – Photolog



<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2023-2024</p>	<p>Project: Buffalo Color Corporation Site Area C</p>
<p>Photo No. 1 Direction Photo Taken:  Looking North</p>		
<p>Description:  Area C restricted- residential cover</p>		
<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2023-2024</p>	<p>Project: Buffalo Color Corporation Site Area C</p>
<p>Photo No. 2 Direction Photo Taken:  Looking east</p>		
<p>Description:  Area C restricted- residential cover</p>		





Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 3  
Direction Photo  
Taken:  
  
Looking southeast



Description:  
  
Powerhouse and Area  
C restricted-  
residential cover

Client Name: SBD	PRR Reporting Period – 2022-2023	Project: Buffalo Color Corporation Site Area C
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Photo No. 4  
Direction Photo  
Taken:  
  
Looking southwest



Description:  
  
Area C restricted-  
residential cover and  
drainage ditch.





Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 5  
Direction Photo  
Taken:  
N/A



Description:  
  
Area C – 01  
Sub-Slab and Indoor  
Air Sample

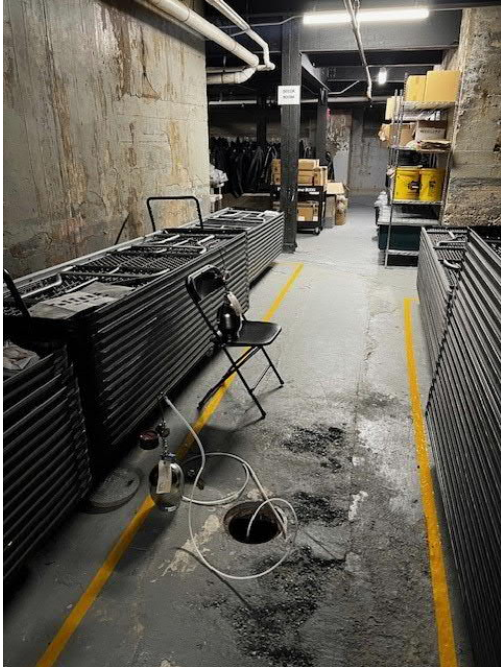

Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 6  
Direction Photo  
Taken:  
  
N/A



Description:  
  
Area C – 02  
Sub-slab and Indoor  
Air Sample

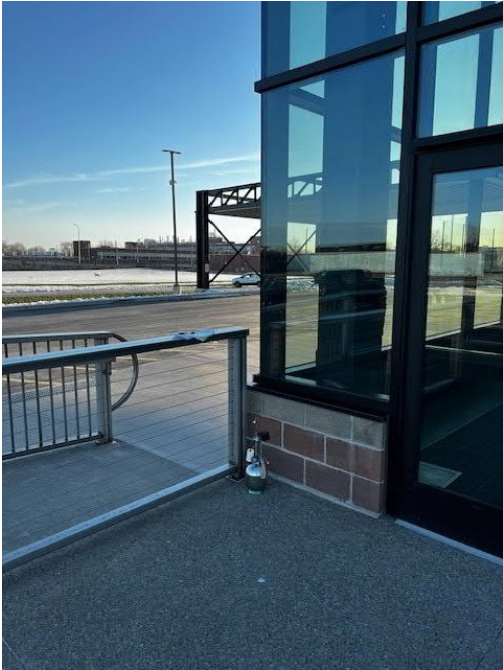


<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2023-2024</p>	<p>Project: Buffalo Color Corporation Site Area C</p>
<p>Photo No. 7 Direction Photo Taken:  N/A</p>		
<p>Description:  Area C – 03 Sub-slab and Indoor Air Sample</p>		
<p>Client Name: SBD</p>	<p>PRR Reporting Period – 2023-2024</p>	<p>Project: Buffalo Color Corporation Site Area C</p>
<p>Photo No. 8 Direction Photo Taken:  N/A</p>		
<p>Description:  Area C – 04 Sub-slab and Indoor Air Sample</p>		



Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 9  
Direction Photo  
Taken:  
N/A



Description:  
  
Area C – OA  
Outdoor Air Sample

Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 10  
Direction Photo  
Taken:  
  
N/A



Description:  
  
Floor coatings, epoxy,  
and industrial  
products stored in the  
vicinity of Area C – 02





Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 11  
Direction Photo Taken:  
  
N/A



Description:  
  
Quikrete and weed killer stored in the vicinity of Area C – 02

Client Name: SBD	PRR Reporting Period – 2023-2024	Project: Buffalo Color Corporation Site Area C
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Photo No. 12  
Direction Photo Taken:  
  
N/A



Description:  
  
Dehumidifier operating in the vicinity of Area C – 04

