



January 25, 2021

Megan Kuczka  
Environmental Program Specialist - 1  
New York State Department of Environmental Conservation  
270 Michigan Ave  
Buffalo, NY 14203-2915

Re: Site Management Periodic Review Report and IC/EC Certification Submittal  
Site Name: Buffalo Color Corporation Site Area D  
Site No.: 915012  
Site Address: 2 Buffalo Creek Railroad  
Buffalo, NY 14210

Dear Ms. Kuczka:

On behalf of South Buffalo Development Corporation, LLC (SBD), Inventum Engineering is submitting this revised periodic review report (PRR) for the Buffalo Color Area D 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, 2019 to October 5, 2020.

The revised report incorporates comments on the PRR received from the New York State Department of Environmental Conservation (NYSDEC) in an e-mail dated January 14, 2021. The NYSDEC's comments are reproduced in the bullets<sup>1</sup> below followed by Inventum's response in *italics*.

- The lab data indicates foam was noted in the groundwater samples. Was this due to the speed of the purging or is foam common in the groundwater?

*The foaming noted in the laboratory reports refers to foam generated during the purge and trap process of Method 8260C and not foaming from the purging process during sample collection at the monitoring well. Foaming during the purge and trap process is a common "issue" with respect to the method and constituents found in former industrial sites. Inventum will work with the laboratory to see if there are any field sampling procedures or laboratory control procedures that can reduce the foaming in future samples.*

- Has EQulS data been submitted for the 2019-2020 Certifying Period? If not, the PRR's cannot be accepted. Please submit and copy me on all EQulS submittals going forward.

*The EQulS data for Area D was submitted on January 22, 2021.*

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<sup>1</sup> The first two bullets are general comments relevant to all the Buffalo Color Corporate Site PRRs (Areas A & B, Area C, Area D, and Area E).

- Section 6.2 – Within the 3<sup>rd</sup> paragraph, edit the date of the first BSA quarterly sample to 2/26/20

*Section 6.2 of the PRR has been revised in accordance with the comment.*

The forms for the site are enclosed documenting the SM requirements during the reporting period. The Institutional Controls (ICs) portion of the form (Box 6) and the Engineering Controls (ECs) portion of the form (Box 7) have been signed.

Please feel free to call with any questions or comments.

Respectfully submitted,

John P. Black, P.E.

A handwritten signature in blue ink, appearing to read "John P. Black", is centered on a light yellow rectangular background.

President  
Enclosure

cc: Eugene Melnyk  
Richard Galloway  
Kirsten Colligan  
John Yensan  
Jon Williams

NYSDEC Region 9  
Honeywell International Inc.  
Ontario Specialty Contracting, Inc.  
South Buffalo Development, LLC  
South Buffalo Development, LLC



Enclosure



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

2 Buffalo Creek Railroad  
Buffalo, New York  
NYSDEC Site Number 915012

Dates Covered by Report:  
October 5, 2019 to October 5, 2020





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## 1 Site Summary

The 18.92 acre Site is located at 2 Buffalo Creek Railroad in the City of Buffalo, County of Erie, New York. The Site is one of five areas that comprised the portion of the former Buffalo Color Corporation, which produced dyes and organic chemicals until its bankruptcy in 2005, purchased by South Buffalo development, LLC. The Site was remediated in accordance with a June 28, 1993 Order on Consent (1993 Order); index B9-0014-84-01RD, between the New York State Department of Environmental Conservation (NYSDEC) and AlliedSignal Incorporated.

Remedial investigations determined that Site soil contained concentrations of organic and inorganic substances that exceeded the NY Commercial and Industrial Soil Cleanup Objectives (SCOs). Shallow groundwater was found to contain concentrations of organic and inorganic substances that exceeded the NY Class GA standards.

The following is a summary of the remedial actions performed at the Site:

- Stabilization of the shoreline along the Buffalo River and planting appropriate vegetation to enhance aquatic and upland habitat (Note: this was modified by the Water keeper).
- Consolidation of contaminated soil on-Site, regrading and capping of the soils.
- Construction of a hydraulic barrier (i.e., slurry wall) along the perimeter of the Site (Figure 1);
- Installation and operation of a groundwater extraction system (D-EW-1 through D-EW-4) to convey extracted groundwater to the treatment system located on Area A.
- Installation of an observation well network to monitoring groundwater elevation and verify that an inward gradient is maintained across the hydraulic barrier. These wells are referred to with the "OW" prefix on Figure 1.
- Execution and recording of an environmental easement to restrict land use and address future exposure to any remaining contamination at the Site.
- Development and implementation of a Site Management Plan for long term management of remaining contamination.
- Maintenance and bathymetric survey of the Sediment Deposit Area

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 April 20, 2015 (SMP):

- Annual shallow groundwater sampling via a composite extraction well sample collected from the force main within the Area A groundwater treatment facility (GWTF);
- Quarterly Site inspections;
- Annual brush hog mowing of the cap performed following the last week of September;
- Quarterly groundwater extraction system performance monitoring; and
- Quarterly observation well monitoring.



## 1.1 Effectiveness of the Remedial Program

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

- The cap system is intact with suitable vegetative cover.
- A consistent inward gradient has been maintained across the hydraulic barrier; based upon the comparison of observation well measurements collected outside of the hydraulic barrier (near the Buffalo River) and those collected from neighboring interior observation wells.
- Site inspection reports indicate that the effectiveness of the knotweed (invasive plant species) barrier fabric installed within the southwestern corner of the Site has limited the knotweed from growing further inland. Please note, this effort was much more intensive than required by the SMP, SBD expended considerable efforts to control the knotweed.

## 1.2 Compliance

No areas of non-compliance have been identified.

## 1.3 Recommendations

No changes to the SMP are recommended. OMM activities will continue during the subsequent reporting period.



## 2 Site Overview

### 2.1 Site Location

The 18.92 acre Site is located at 2 Buffalo Creek Railroad in the City of Buffalo, County of Erie, New York. The Site is bounded by the Buffalo River to the east, south, and southwest; a railroad yard to the north; and an abandoned railroad right-of-way to the northeast (Figure 1). Beyond the abandoned railroad right of way is the Area A site. Further the surrounding area consists of industrial and residential properties.

Originally founded as the Schoellkopf Aniline and Dye Company in 1879, the plant produced dyes and organic chemicals based primarily on aniline and various aniline derivatives. The company was reorganized into the National Aniline Chemical Company in 1916. It became one of the five companies that merged to create Allied Chemical Corporation (Allied Chemical) in 1920. The existing dye-making facility and the right to produce certain dyes and intermediates were sold by Allied Chemical to Buffalo Color Corporation on July 1, 1977. At the time of the sale, the plant was divided into eight areas designated with the letters A, B, C, D, E, F, G, and H. Buffalo Color Corporation purchased the manufacturing areas A through E, while Allied Chemical retained an acid plant (which was subsequently sold to PVS Chemicals in 1981), the research and development facility on Area F, and the parking lots on Areas G (Elk Street) and H (Smith Street).

Environmental investigation of the Area D Site began in the 1980s. In accordance with the Order on Consent, Area D finalization of the remedial investigation occurred from 1993 through 1996 and remediation occurred from 1996 through 2000. OMM activities have been conducted in accordance with a NYSDEC approved, post-remedial construction, OMM Plan for Area D (Parsons, 2001) since the completion of remediation.

In 2005, Buffalo Color Corporation filed for bankruptcy and ceased manufacturing activity. During the bankruptcy proceedings, some of the facility's production equipment was sold and removed from the Site. In conjunction with the bankruptcy, the office building and former plant hospital located at 100 Lee Street on Area B and the warehouse building (Building 322) located near Elk Street on Area E, along with some of the land under and around those buildings, were sold to other parties. Agreements are in place to preserve access rights to the land for the purposes of any required environmental investigation and remediation activities. The remaining buildings and property on Areas A, B, C, D and E were purchased by SBD in 2008. Areas A and B were subsequently sold to Heritage Discovery Center, LLC in 2010. Access rights have been retained for these areas.

### 2.2 Chronology

Numerous environmental investigations have been completed for the Buffalo Color property, including Area D, dating back to the 1980s. In accordance with the order on consent, finalization of the Area D remedial investigation occurred from 1993 through 1996 and remediation occurred from 1996 through 2000. Remediation of the Site began on July 24, 1996. Planting of wetland and woody vegetation to enhance aquatic and upland habitat was completed during the spring of 1999. Replanting of trees in several areas and construction of the cap, hydraulic barrier and extraction system was completed by November 2000. During the fall of 2017, Buffalo Niagara Waterkeeper along with Anchor QEA began the shoreline improvement project at Area D. Invasive plant species were removed from within 25' of the waterline and native plant species were introduced. This project has continued throughout the



growing season of 2018 with what the Waterkeeper termed “a final review of the project” in the Spring 2019. SBD has concerns about the effectiveness of the planting. The NYSDEC and OSC attended a site meeting with the Buffalo Niagara Waterkeeper in July 2020. It was noted during the meeting (Attachment F) that a tremendous amount of debris had settled over the planting area, and given the size, will not likely float away without outside influence. OSC will not make any attempts to remove this debris.

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

- Installation of a soil-bentonite slurry wall (vertical hydraulic barrier) around the Site perimeter to restrict migration of impacted shallow groundwater to the Buffalo River;
- Plugging of all pipes encountered during the remedial action using concrete;
- Installation of a Resource Conservation and Recovery Act (RCRA) compliant cap system over the entire Site to prevent soil contact and precipitation infiltration. The cap system included a flexible membrane liner, geonet drainage layer, two feet of cover soil, and 6 inches of topsoil to establish a vegetative cover;
- Excavation and dredging of soil/sediment along the Area D shoreline and placement of the removed soil/sediment within the footprint of the cap system;
- Placement of riprap along the Area D shoreline to prevent erosion of soil and sediment and migration of eroded soil and sediment to the Buffalo River;
- Placement of geotextile and riprap over the Sediment Deposit Area (SDA), an area along the western shoreline where a historic slope failure had occurred;
- Installation of a groundwater extraction system (GWES) and treatment facility to address hydraulic control of impacted Site groundwater, behind the Site vertical hydraulic barrier; and
- Preparation of a Site OMM Plan to provide direction towards managing the long-term remedy.

Additional remedial actions were performed to complete the Site remedy and allow closure of the 1993 Order on Consent. The following actions were approved by NYSDEC and implemented between 2014 and 2015.

- An initial bathymetric survey was conducted on April 29, 2015. Additional surveys will occur every 5 years to ensure that the riprap containment structure is in place and effectively preventing potentially impacted sediment migration;
- 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 establishing engineering and institutional controls, prohibiting groundwater use, providing protocols for disturbance of Site soils and/or groundwater, and limiting future land use to commercial or industrial use; and



- Development and implementation of a Site Management Plan for long term management of the site remedy as required by the environmental easement, which includes plans for institutional and engineering controls, performance monitoring, operation and maintenance, and reporting.

### 3 Progress During the Reporting Period

The performance, effectiveness and protectiveness of the remedy are verified through evaluating each of the primary remedial measures.

#### 3.1 Exposure Potential

The potential for direct exposure to impacted soils and/or groundwater is mitigated by ensuring the cap system is intact as constructed and the recorded environmental easement is adhered to. The following bulleted items summarize the objective performance evaluation of Site remedial measures towards preventing exposure to remaining contamination.

- The Site-wide inspection reports indicate that compliance to the Site institutional controls, established by the environmental easement, has been upheld.
- Site cover system inspection reports indicate the soil cover and cap system are intact and maintain suitable vegetation.
- Inspection sheets for the reporting period are provided as Attachment B.

#### 3.2 Off-Site Migration

Off-Site migration of impacted groundwater is mitigated by maintaining an inward hydraulic gradient between the observation wells “outside” of the VHB (i.e., closest to the Buffalo River; also referred to as exterior wells) and the observation wells “inside” the hydraulic barrier (interior wells). The risk of impacted soil migration due to slope failure along the Area D Buffalo River shoreline is mitigated through the monitoring and maintenance of riverbank vegetated slopes<sup>2</sup> and structures. Additionally, the lack of potentially impacted sediment migration from the SDA is verified through bathometric survey monitoring; performed every five years. The following bulleted items summarize the objective performance evaluation of Site remedial measures towards the mitigation of off-Site contaminant migration.

- A consistent inward gradient has been maintained across the hydraulic barrier; based upon the comparison of observation well measurements collected outside of the hydraulic barrier (near the Buffalo River) and those collected from neighboring interior observation wells.
- Site cover system inspection reports indicate the Site soil cover system is intact and maintains suitable vegetation.

#### 3.3 Natural Attenuation

Annual groundwater monitoring data has been collected within the reporting period and after review of the data, an apparent trend, either decreasing or increasing, has not been identified for the Area D Site. Tabulated analytical results for the annual Area D GWES composite sample are provided as Table 1, laboratory reports are in Attachment D. Groundwater monitoring data will continue to be obtained and evaluated in the subsequent reporting period.







## 4 IC/EC Plan Compliance Report

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 ICs are designed to:

- Implement, maintain and monitor engineering control systems;
- Address future exposure to remaining contamination by controlling disturbances of the subsurface contamination through adherence to an approved excavation work plan;
- Prohibit Site groundwater use; and
- Limit the use and development of the Site to commercial and industrial uses only.

Engineering controls (ECs) developed for the Site consist of:

- Recorded protocols for the disturbance of Site soils and/or groundwater, and addressing potential vapor intrusion (VI) pathways of occupied structures associated with future development at the Site<sup>3</sup>;
- An integrated Site-wide cover system consisting of flexible membrane liner, geocomposite drainage layer, clean soil with a minimum thickness of 24 inches, and topsoil supporting vegetation;
- Riverbank slope stability fortifications consisting of riprap toe buttress and geotextile overlain by clean soil cover and riparian vegetation<sup>1</sup> to prevent erosion and migration of potentially impacted soil to the Buffalo River;
- A geotextile and riprap protective cover placed over the SDA;
- A perimeter storm water drainage system, including a series of shallow vegetated ditches, underlain with perforated drainpipe and intermittent discharge points to the Buffalo River;
- A VHB installed around the perimeter of the Site to prevent migration of contaminated groundwater to the Buffalo River; and
- A GWES to provide the required hydraulic control (as necessary) from within the VHB perimeter.

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

- Documented Site-wide, cover system, and riverbank inspections to ensure the environmental easement is active and in force, the cover system is intact and protective to potential human exposure, and shoreline structures are intact and stable;
- Bathymetric survey measurements collected for the SDA (5-year intervals), to ensure its integrity and stability; and
- Hydraulic control behind the VHB is verified through the collection of groundwater elevation measurements from the observation well network, to confirm the presence of an inward hydraulic gradient.

The Site IC/ECs are all currently active and in force. At this time, no deficiencies have been identified with the established Site IC/ECs and no recommendations for changes are proposed.

IC/EC Certification: The IC/EC certification forms are provided in Attachment A.

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<sup>3</sup> Area D has evolved into a wildlife habitat, no development is planned on Area D.



## 5 Monitoring Plan Compliance Report

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

- Annual shallow groundwater sampling at the GWES;
- Quarterly groundwater elevation measurements of the VHB observation well network;
- Quarterly Site-wide, cover system and riverbank inspections; and
- SDA bathymetric survey monitoring conducted every five years.

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

AREA D 2019-2020 MONITORING EVENT COMPLIANCE SUMMARY

<u>Monitoring Type</u>	<u>Frequency</u>	<u>2019</u>	<u>2020</u>		
		<u>4th</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>
Groundwater Sampling	Annual			X	
VHB Observation Wells Groundwater Elevation Measurements	Quarterly	X	X	X	X
Site-Wide, Cover System & Riverbank Monitoring	Quarterly	X	X	X	X

AREA D SDA BATHYMETRIC SURVEY MONITORING COMPLIANCE SUMMARY

YEAR

Baseline Survey	<u>2015</u>
Next Survey	2020

### 5.1 Comparisons with Remedial Objectives:

Natural attenuation of Site groundwater is tracked through the sampling of Site extraction wells. New York State Water Quality Standards for Surface Water and Groundwater (Table 1, cf. section 703.5 - Class GA) are the established groundwater quality objectives for the Site. TestAmerica Laboratories, Inc. in Amherst, NY performed the laboratory analysis for the collected groundwater samples. Laboratory data reports are provided in Attachment D.

### 5.2 Monitoring Deficiencies

No monitoring deficiencies were noted.

### 5.3 Conclusions and Recommendations for Changes

No changes to the SMP are recommended at this time. OMM activities will continue during the subsequent reporting period.



## 6 Operations and Maintenance Plan Compliance Report

### 6.1 Components of the O&M Plan

The operations and maintenance requirements for the GWES are provided in the GWES operation, maintenance and monitoring (OM&M) plan. Information on non-mechanical engineering controls (i.e., soil cover system) is provided in section IV - IC/EC Plan Compliance Report.

- Monthly (Quarterly Minimum) Groundwater Extraction System Monitoring: During this activity, the O&M contractor inspects the conditions of the extraction and observation wells; records groundwater level measurements at each observation well; and records flow totalizer readings from each extraction well. This information is summarized in the observation well hydrographs Attachment C.
- Monthly (Quarterly Minimum) GWES Treatment Plant Monitoring: Groundwater from the Area D extraction system is conveyed to the treatment plant located on Area A. The combined groundwater from Area A and Area D is combined, treated and discharged to the BSA. Discharge samples are collected quarterly and the data is submitted within a discharge monitoring report (DMR) to the BSA on a quarterly basis, as specified in the BSA discharge permit, with a copy provided to the NYSDEC. DMR copies, submitted within the reporting period, are provided as Attachment E.

### 6.2 Summary of O&M Completed

In addition to the GWES and treatment plant system monitoring activities, various repair and maintenance initiatives are routinely completed on the mechanical, electrical, and plumbing systems; in order to maintain performance of the GWES. Items requiring repair and maintenance include, but are not limited to, transfer pumps, submersible pumps, well casings/screens, holding tanks, pressure vessels, conveyance plumbing, filter media, activated carbon, backup generator, control/communication electrical, power supply electrical, building envelope, and personnel hygienic facilities. Annual mowing of the meadow area is completed in the third quarter and invasive knotweed is evaluated monthly.

The quarterly discharge sample collected February 26, 2020 (Attachment E) contained a concentration of chlorobenzene (430 ug/L) exceeding the Maximum Allowable Instantaneous Discharge Limit (MADI) in the BSA permit. The max daily discharge was not exceeded. The GWES was shut down and the BSA was notified of the exceedance upon receipt of the results on March 5, 2020. A second sample was collected on March 9, 2020. The carbon was changed out in the treatment vessels and a third sample was collected. The results of the additional sampling indicated no parameters above discharge limits. The system was restarted on March 27, 2020 with the approval of the BSA.

### 6.3 Evaluation of Remedial Systems

The Area D remedial system is effectively achieving the objectives of the remedial action.

### 6.4 O&M Deficiencies

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



## 6.5 Conclusions and Recommendations

No changes to the SMPs are recommended at this time.

# 7 Overall PRR Conclusions and Recommendations

## 7.1 Compliance with SMP

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

## 7.2 Performance and Effectiveness of the Remedy

- The condition of the cap system and consistent inward gradient across the hydraulic barrier indicate that the remedy is performing effectively.
- During the fall of 2017, Buffalo Niagara Waterkeeper along with Anchor QEA began the shoreline improvement project at Area D. Woody and “invasive” plant species were removed from within 25 feet of the waterline and plant species considered native were introduced. This project continued throughout the growing season of 2018 with a “final review” of the project in the Spring 2019. The RCRA cap was not to be damaged or removed during the project. The inspection in spring 2020 discovered that the planting program was not as successful as desired. A site meeting with the Waterkeeper, NYSDEC, and OSC was held in July 2020. The NYSDEC noted that growth conditions had improved; however, there was a tremendous amount of woody debris that had settled over the planting areas (Attachment F).

## 7.3 Future PRR Submittals

- It is currently expected that the next PRR will be submitted on or about November 2021.
- The 2020 bathymetric survey was completed, and data is being evaluated/compiled at this time. The survey data will be provided under separate cover no later than March 31, 2021.



## Table



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

		1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Aniline	Benzene	Chlorobenzene	2-Chlorophenol	Methylene Chloride	N-Nitrosodiphenylamine	Naphthalene	Total Recoverable Phenols	Total Phosphate as P
Class GA Standard**		3	3	3	5	1	5		5		10	1	
Area D influent	06/14/18	8.0J	5.3J	49	<100	30	2,600	6.7J	5.6J	<5	<50	500	260
	06/03/19	5.1J	3.3J	28	5.9J	21J	2,400	7	<50	2.7J	15	24B	310
	05/18/20	5.7 J	3.6J	32	5.5J	15J	1,800	6.3	<25	2J	<5	5.3JF1B	370

Notes:

Where two results are presented in the laboratory report, the undiluted sample data is listed above.

J - Laboratory Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B - compound was found in blank sample

F1 - MS/MSD recovery is outside acceptable limits

Results are shown in µg/L.

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

Class GA Standard**					
Area D influent	06/14/18				
	06/03/19				
	05/18/20				

Chromium	Copper	Nickel	Zinc
50	200	100	2000
6.9	20	5.6J	6J
4.9	<10	2.6J	2.8J
7.5	15B	4.7J	5J

Figure







## Attachments



## ATTACHMENT A - IC/EC CONTROLS CERTIFICATION FORM





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



Site Details		Box 1	
Site No.	915012		
Site Name Buffalo Color Area "D"			
Site Address: 2 Buffalo Creek Railroad		Zip Code: 14220	
City/Town: Buffalo			
County: Erie			
Site Acreage: 19.000			
Reporting Period: October 05, 2019 to October 05, 2020			
		YES	NO
1. Is the information above correct?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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"/>	<input checked="" type="checkbox"/>
		<b>Box 2</b>	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs in place and functioning as designed?		<input checked="" type="checkbox"/>	<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		_____ Date	



**Description of Institutional Controls**

Parcel	Owner	Institutional Control
<b>122.160-1-10</b>	South Buffalo Development, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

**Institutional Controls**

An Environmental Easement was imposed for the controlled property which:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County; and
- requires compliance with the Department approved Site Management Plan.

**Site Management Plan**

A Site Management Plan has been prepared for the site, which includes the following:

1. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

**Institutional Controls:**

This plan includes, but may not be limited to:

- o an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
  - o descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
  - o provisions for the management and inspection of the identified engineering controls;
  - o maintaining site access controls and Department notification; and
  - o execute necessary activities for the periodic reviews and certification of the institutional and/or engineering controls.
2. a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
    - o monitoring of groundwater and riverfill cover area to assess the performance and effectiveness of the remedy; and
    - o a schedule of monitoring and frequency of submittals to the Department.
  3. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
    - o procedures for operating and maintaining the remedy;
    - o compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
    - o maintaining site access controls and Department notification; and
    - o providing the Department access to the site and O&M records.

**Description of Engineering Controls**

Parcel	Engineering Control
<b>122.160-1-10</b>	Groundwater Treatment System Cover System Groundwater Containment Fencing/Access Control

Engineering Controls at the site includes:

- A soil-bentonite slurry vertical hydraulic barrier wall surrounding Area "D" to contain

Parcel

Engineering Control

contaminated groundwater;

- A multilayered soil/synthetic membrane cap on a graded base over the entire site within the limits of the slurry wall;
- A contaminated groundwater extraction and treatment system with permitted discharge of treated groundwater to the Buffalo Sewer Authority sanitary sewer;
- Riverbank stabilization using riprap with habitat enhancements;
- An in-river cover system to isolate and contain grossly contaminated material outside the containment limits of the barrier wall within a limited stretch of riverbank;
- security fencing; and
- a monitoring well network.

**Box 5**

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

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

- (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and  
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

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

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date



IC CERTIFICATIONS  
SITE NO. 915012

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

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

John T. Black at 481 Carisque Dr. #202, Herndon, VA 20170  
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

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

[Signature]  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

1/22/2021  
Date

## EC CERTIFICATIONS

Box 7

### Professional Engineer Signature

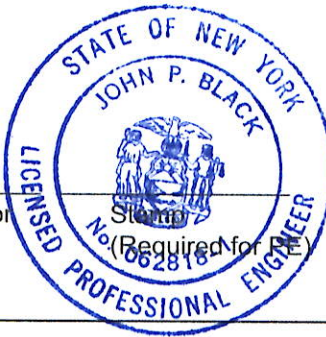
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

John P. Black at 491 Carlsle Dr. #202 Herndon, VA 20170  
print name print business address

am certifying as a Professional Engineer for the

Remedial Party  
(Owner or Remedial Party)

[Signature]  
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



1/22/2011  
Date



## ATTACHMENT B - SITE INSPECTIONS



Area D Cover System; Riverbank; & Site-Wide Compliance Inspection																									
Pre-Inspection Data					Area D Additional Notes																				
Weather			Site Conditions																						
Cloud Cover (Clear / Pt. Cloudy / Overcast) (Yes / No / List Altitudes)	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)	Cover System (OK / Comment)			Riverbank (OK / Comment)			Site-Wide Compliance (OK / Comment)												
							Area D Storm Drainage System & Structures	Area D Occupied Basement Slabs	Area D Outdoor Paved Areas	Area D Gravel Cover Integrity	Area D Grass / Vegetation	Area D Soil Cover Integrity	Area D Storm Drainage System & Structures	Area D Occupied Basement Slabs	Area D Outdoor Paved Areas	Area D Gravel Cover Integrity	Area D Shoreline Erosion Protection (Vegetation / Riprap)	Area D Shoreline Soil Slope Integrity	Sediment Deposit Area (SDA) Bathymetric Survey (Performed Every 5 Years)	Area D Vertical Hydraulic Barrier Monitoring Program	Area D Groundwater Monitoring Program	Area D Site Records	Area D Active Site Permits	Area D O&M Schedule	Area D Institutional Site Use Restrictions
Date		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner		Tom Wagner					
Thu 11/14/2019		Thu 3/12/2020		Wed 5/20/2020		Wed 9/30/2020		Excessive amount of debris, wood along shoreline from wind storms		Excessive amount of debris, wood along shoreline from wind storms, will re-evaluate		Animal control(woodchucks) Trapper hired for season: Evaluating growth along shoreline													

## ATTACHMENT C - OBSERVATION WELL HYDROGRAPHS

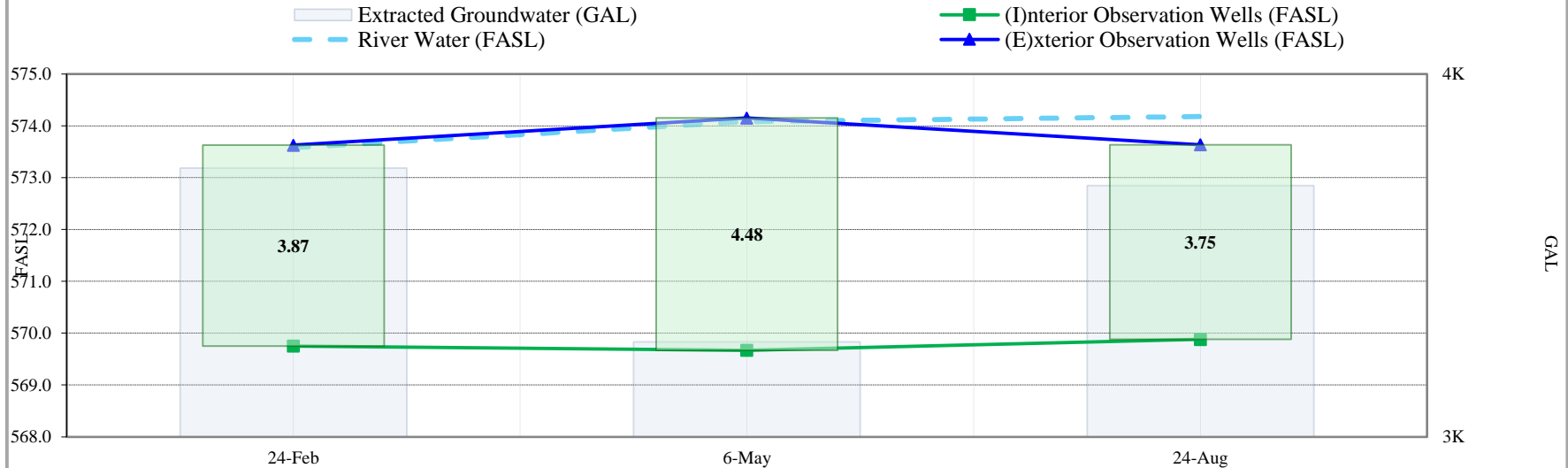


**Buffalo Color, Area D - Buffalo River Water Elevations (FASL), Observation Well Groundwater Elevations (FASL), Elevation Differentials (FT) & Extraction Well Network Totals (GAL)**

Abbreviations: River Stadia Rod (RSR), Observation Well (OW), Elevation Differential (ED), Extraction Well (EW)

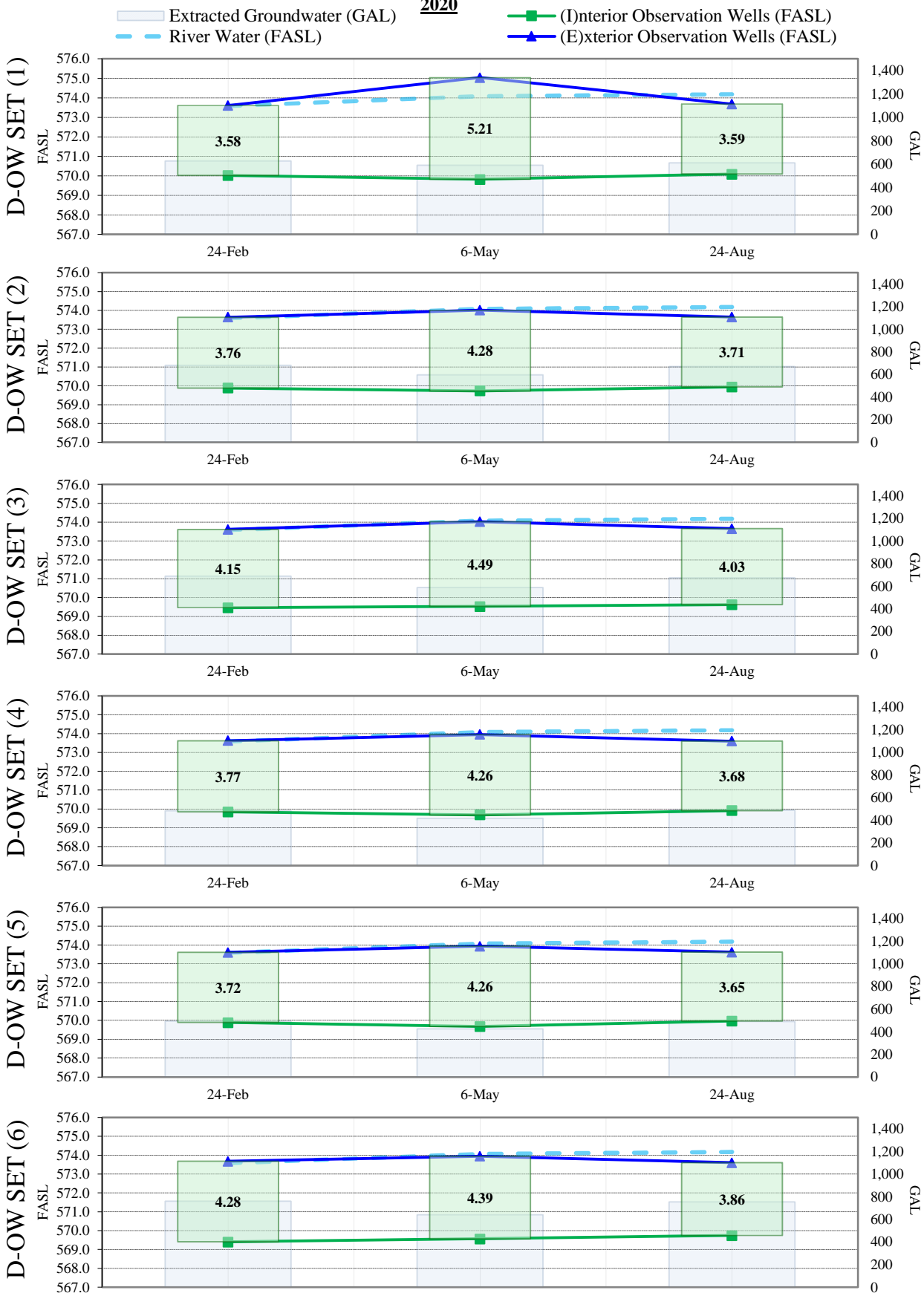
2020	RIVER	D-OW SET (1)			D-OW SET (2)			D-OW SET (3)			D-OW SET (4)			D-OW SET (5)			D-OW SET (6)			AVERAGES			D-EW				
Date	RSR	1I	1E	1ED	2I	2E	2ED	3I	3E	3ED	4I	4E	4ED	5I	5E	5ED	6I	6E	6ED	I	E	ED	1	2	3	4	TOTAL
24-Feb	573.58	570.03	573.60	3.58	569.88	573.64	3.76	569.47	573.62	4.15	569.84	573.62	3.77	569.89	573.61	3.72	569.41	573.69	4.28	569.75	573.63	3.87	620	840	1,312	969	3,741
6-May	574.08	569.83	575.03	5.21	569.73	574.01	4.28	569.54	574.03	4.49	569.68	573.95	4.26	569.68	573.94	4.26	569.57	573.96	4.39	569.67	574.15	4.48	530	710	1,038	984	3,262
24-Aug	574.18	570.10	573.68	3.59	569.94	573.65	3.71	569.63	573.66	4.03	569.91	573.60	3.68	569.97	573.62	3.65	569.75	573.61	3.86	569.88	573.63	3.75	640	780	1,345	927	3,692
Avg   Sum	573.94	569.98	574.11	4.12	569.85	573.76	3.91	569.54	573.77	4.22	569.81	573.72	3.91	569.85	573.72	3.87	569.58	573.75	4.17	569.77	573.80	4.04	1,790	2,330	3,695	2,880	10,695

**Buffalo Color, Area D - Buffalo River Water Elevations, Observation Well Groundwater Elevations & Extraction Well Network Totals**  
**Monitoring Period Averages**



# Buffalo Color, Area D - Buffalo River Water Elevations, Observation Well Groundwater Elevations & Extraction Well Network Allocations

2020



## ATTACHMENT D - GROUNDWATER DATA



## ANALYTICAL REPORT

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

Laboratory Job ID: 480-170163-1

Client Project/Site: Buffalo Color Area D Annual Influent  
Sampling Event: Buffalo Color Area D Annual Influent

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:

5/29/2020 12:42:07 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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

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## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

### Qualifiers

#### GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

#### GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD 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
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.

#### General Chemistry

Qualifier	Qualifier Description
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Job ID: 480-170163-1

Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

#### Job Narrative 480-170163-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/19/2020 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

#### GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area D Influent (480-170163-1). Elevated reporting limits (RLs) are provided.

Method 624.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCC Area D Influent (480-170163-1), (480-170163-K-1 MS) and (480-170163-K-1 MSD). Elevated reporting limits (RLs) are provided.

Method 624.1: Due to the high concentration of Chlorobenzene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-532831 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

#### GC/MS Semi VOA

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-532716 and analytical batch 480-533123 recovered outside control limits for the following analytes: 2,6-Dinitrotoluene and Hexachlorobenzene.

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

#### GC Semi VOA

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

#### Metals

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

#### General Chemistry

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

#### Organic Prep

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

## Detection Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

### Client Sample ID: BCC Area D Influent

Lab Sample ID: 480-170163-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	5.7	J	25	2.2	ug/L	5		624.1	Total/NA
1,3-Dichlorobenzene	3.6	J	25	2.7	ug/L	5		624.1	Total/NA
1,4-Dichlorobenzene	32		25	2.5	ug/L	5		624.1	Total/NA
Benzene	15	J	25	3.0	ug/L	5		624.1	Total/NA
Chlorobenzene - DL	1800		100	9.5	ug/L	20		624.1	Total/NA
1,3-Dichlorobenzene	1.7	J	10	0.69	ug/L	1		625.1	Total/NA
1,4-Dichlorobenzene	21		10	5.6	ug/L	1		625.1	Total/NA
2-Chlorophenol	6.3		5.0	0.66	ug/L	1		625.1	Total/NA
Aniline	5.5	J	10	1.5	ug/L	1		625.1	Total/NA
N-Nitrosodiphenylamine	2.0	J	5.0	0.40	ug/L	1		625.1	Total/NA
Chromium	0.0075		0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.015	B	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0071	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0047	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0050	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.0053	J F1 B	0.010	0.0035	mg/L	1		420.4	Total/NA
Total Phosphate as P	0.37		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA

### Client Sample ID: TRIP BLANK

Lab Sample ID: 480-170163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.8	J	5.0	0.48	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Client Sample ID: BCC Area D Influent

Lab Sample ID: 480-170163-1

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			05/20/20 16:30	5
1,1,1,2-Tetrachloroethane	ND		25	1.3	ug/L			05/20/20 16:30	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			05/20/20 16:30	5
1,1-Dichloroethane	ND		25	2.9	ug/L			05/20/20 16:30	5
1,1-Dichloroethene	ND		25	4.3	ug/L			05/20/20 16:30	5
1,2-Dichlorobenzene	5.7	J	25	2.2	ug/L			05/20/20 16:30	5
1,2-Dichloroethane	ND		25	3.0	ug/L			05/20/20 16:30	5
1,2-Dichloroethene, Total	ND		50	16	ug/L			05/20/20 16:30	5
1,2-Dichloropropane	ND		25	3.1	ug/L			05/20/20 16:30	5
1,3-Dichlorobenzene	3.6	J	25	2.7	ug/L			05/20/20 16:30	5
1,4-Dichlorobenzene	32		25	2.5	ug/L			05/20/20 16:30	5
2-Chloroethyl vinyl ether	ND		130	9.3	ug/L			05/20/20 16:30	5
Acrolein	ND		500	87	ug/L			05/20/20 16:30	5
Acrylonitrile	ND		500	9.5	ug/L			05/20/20 16:30	5
Benzene	15	J	25	3.0	ug/L			05/20/20 16:30	5
Bromoform	ND		25	2.3	ug/L			05/20/20 16:30	5
Bromomethane	ND		25	6.0	ug/L			05/20/20 16:30	5
Carbon tetrachloride	ND		25	2.6	ug/L			05/20/20 16:30	5
Dibromochloromethane	ND		25	2.1	ug/L			05/20/20 16:30	5
Chloroethane	ND		25	4.4	ug/L			05/20/20 16:30	5
Chloroform	ND		25	2.7	ug/L			05/20/20 16:30	5
Chloromethane	ND	F2	25	3.2	ug/L			05/20/20 16:30	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			05/20/20 16:30	5
Bromodichloromethane	ND		25	2.7	ug/L			05/20/20 16:30	5
Ethylbenzene	ND		25	2.3	ug/L			05/20/20 16:30	5
Methylene Chloride	ND		25	4.1	ug/L			05/20/20 16:30	5
Tetrachloroethene	ND		25	1.7	ug/L			05/20/20 16:30	5
Toluene	ND		25	2.3	ug/L			05/20/20 16:30	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			05/20/20 16:30	5
Trichloroethene	ND		25	3.0	ug/L			05/20/20 16:30	5
Trichlorofluoromethane	ND		25	2.2	ug/L			05/20/20 16:30	5
Vinyl chloride	ND		25	3.7	ug/L			05/20/20 16:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		68 - 130		05/20/20 16:30	5
4-Bromofluorobenzene (Surr)	105		76 - 123		05/20/20 16:30	5
Toluene-d8 (Surr)	98		77 - 120		05/20/20 16:30	5
Dibromofluoromethane (Surr)	95		75 - 123		05/20/20 16:30	5

## Method: 624.1 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1800		100	9.5	ug/L			05/21/20 12:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		68 - 130		05/21/20 12:42	20
4-Bromofluorobenzene (Surr)	106		76 - 123		05/21/20 12:42	20
Toluene-d8 (Surr)	96		77 - 120		05/21/20 12:42	20
Dibromofluoromethane (Surr)	109		75 - 123		05/21/20 12:42	20

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Client Sample ID: BCC Area D Influent

Lab Sample ID: 480-170163-1

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		05/20/20 14:55	05/22/20 12:34	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		05/20/20 14:55	05/22/20 12:34	1
1,3-Dichlorobenzene	1.7	J	10	0.69	ug/L		05/20/20 14:55	05/22/20 12:34	1
1,4-Dichlorobenzene	21		10	5.6	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
2,6-Dinitrotoluene	ND	*1	5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		05/20/20 14:55	05/22/20 12:34	1
2-Chlorophenol	6.3		5.0	0.66	ug/L		05/20/20 14:55	05/22/20 12:34	1
2-Nitrophenol	ND		5.0	0.70	ug/L		05/20/20 14:55	05/22/20 12:34	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		05/20/20 14:55	05/22/20 12:34	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		05/20/20 14:55	05/22/20 12:34	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		05/20/20 14:55	05/22/20 12:34	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		05/20/20 14:55	05/22/20 12:34	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		05/20/20 14:55	05/22/20 12:34	1
4-Nitrophenol	ND		10	10	ug/L		05/20/20 14:55	05/22/20 12:34	1
Acenaphthene	ND		5.0	0.81	ug/L		05/20/20 14:55	05/22/20 12:34	1
Acenaphthylene	ND		5.0	0.87	ug/L		05/20/20 14:55	05/22/20 12:34	1
Aniline	5.5	J	10	1.5	ug/L		05/20/20 14:55	05/22/20 12:34	1
Anthracene	ND		5.0	1.4	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzidine	ND		80	35	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/22/20 12:34	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		05/20/20 14:55	05/22/20 12:34	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		05/20/20 14:55	05/22/20 12:34	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		05/20/20 14:55	05/22/20 12:34	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		05/20/20 14:55	05/22/20 12:34	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		05/20/20 14:55	05/22/20 12:34	1
Chrysene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Decane	ND		10	1.6	ug/L		05/20/20 14:55	05/22/20 12:34	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		05/20/20 14:55	05/22/20 12:34	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		05/20/20 14:55	05/22/20 12:34	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/22/20 12:34	1
Diethyl phthalate	ND		5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		05/20/20 14:55	05/22/20 12:34	1
Fluoranthene	ND		5.0	1.6	ug/L		05/20/20 14:55	05/22/20 12:34	1
Fluorene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Hexachlorobenzene	ND	*1	5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
Hexachloroethane	ND		5.0	0.60	ug/L		05/20/20 14:55	05/22/20 12:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/22/20 12:34	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Client Sample ID: BCC Area D Influent

Lab Sample ID: 480-170163-1

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		5.0	0.74	ug/L		05/20/20 14:55	05/22/20 12:34	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		05/20/20 14:55	05/22/20 12:34	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		05/20/20 14:55	05/22/20 12:34	1
N-Nitrosodiphenylamine	2.0	J	5.0	0.40	ug/L		05/20/20 14:55	05/22/20 12:34	1
Naphthalene	ND		5.0	0.86	ug/L		05/20/20 14:55	05/22/20 12:34	1
Nitrobenzene	ND		5.0	0.81	ug/L		05/20/20 14:55	05/22/20 12:34	1
Pentachlorophenol	ND		10	1.6	ug/L		05/20/20 14:55	05/22/20 12:34	1
Phenanthrene	ND		5.0	1.2	ug/L		05/20/20 14:55	05/22/20 12:34	1
Phenol	ND		5.0	0.35	ug/L		05/20/20 14:55	05/22/20 12:34	1
Pyrene	ND		5.0	1.4	ug/L		05/20/20 14:55	05/22/20 12:34	1
n-Octadecane	ND		10	1.2	ug/L		05/20/20 14:55	05/22/20 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		52 - 151	05/20/20 14:55	05/22/20 12:34	1
2-Fluorobiphenyl	83		44 - 120	05/20/20 14:55	05/22/20 12:34	1
2-Fluorophenol	40		17 - 120	05/20/20 14:55	05/22/20 12:34	1
Nitrobenzene-d5	73		15 - 314	05/20/20 14:55	05/22/20 12:34	1
p-Terphenyl-d14	95		22 - 125	05/20/20 14:55	05/22/20 12:34	1
Phenol-d5	29		8 - 424	05/20/20 14:55	05/22/20 12:34	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1221	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1232	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1242	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1248	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1254	ND		0.060	0.031	ug/L		05/27/20 15:36	05/28/20 21:16	1
PCB-1260	ND		0.060	0.031	ug/L		05/27/20 15:36	05/28/20 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		36 - 121	05/27/20 15:36	05/28/20 21:16	1
Tetrachloro-m-xylene	82		42 - 135	05/27/20 15:36	05/28/20 21:16	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0075		0.0040	0.0010	mg/L		05/21/20 10:12	05/21/20 17:44	1
Copper	0.015	B	0.010	0.0016	mg/L		05/21/20 10:12	05/21/20 17:44	1
Lead	0.0071	J	0.010	0.0030	mg/L		05/21/20 10:12	05/21/20 17:44	1
Nickel	0.0047	J	0.010	0.0013	mg/L		05/21/20 10:12	05/21/20 17:44	1
Zinc	0.0050	J	0.010	0.0015	mg/L		05/21/20 10:12	05/21/20 17:44	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/26/20 11:46	05/26/20 15:23	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.0053	J F1 B	0.010	0.0035	mg/L			05/23/20 04:31	1
Cyanide, Amenable	ND		0.010	0.0050	mg/L			05/22/20 13:31	1
Total Phosphate as P	0.37		0.010	0.0050	mg/L as P			05/26/20 10:32	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-170163-2

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/20/20 16:54	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/20/20 16:54	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/20/20 16:54	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/20/20 16:54	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/20/20 16:54	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/20/20 16:54	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/20/20 16:54	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/20/20 16:54	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/20/20 16:54	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/20/20 16:54	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/20/20 16:54	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/20/20 16:54	1
Acrolein	ND		100	17	ug/L			05/20/20 16:54	1
Acrylonitrile	ND		100	1.9	ug/L			05/20/20 16:54	1
Benzene	ND		5.0	0.60	ug/L			05/20/20 16:54	1
Bromoform	ND		5.0	0.47	ug/L			05/20/20 16:54	1
Bromomethane	ND		5.0	1.2	ug/L			05/20/20 16:54	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/20/20 16:54	1
Chlorobenzene	1.8 J		5.0	0.48	ug/L			05/20/20 16:54	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/20/20 16:54	1
Chloroethane	ND		5.0	0.87	ug/L			05/20/20 16:54	1
Chloroform	ND		5.0	0.54	ug/L			05/20/20 16:54	1
Chloromethane	ND		5.0	0.64	ug/L			05/20/20 16:54	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/20/20 16:54	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/20/20 16:54	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/20/20 16:54	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/20/20 16:54	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/20/20 16:54	1
Toluene	ND		5.0	0.45	ug/L			05/20/20 16:54	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/20/20 16:54	1
Trichloroethene	ND		5.0	0.60	ug/L			05/20/20 16:54	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/20/20 16:54	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/20/20 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		68 - 130		05/20/20 16:54	1
4-Bromofluorobenzene (Surr)	106		76 - 123		05/20/20 16:54	1
Toluene-d8 (Surr)	96		77 - 120		05/20/20 16:54	1
Dibromofluoromethane (Surr)	103		75 - 123		05/20/20 16:54	1

## Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

### Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (68-130)	BFB (76-123)	TOL (77-120)	DBFM (75-123)
480-170163-1	BCC Area D Influent	93	105	98	95
480-170163-1 - DL	BCC Area D Influent	96	106	96	109
480-170163-1 MS	BCC Area D Influent	97	111	94	100
480-170163-1 MSD	BCC Area D Influent	93	108	99	100
480-170163-2	TRIP BLANK	94	106	96	103
LCS 480-532601/5	Lab Control Sample	90	105	97	99
LCS 480-532831/5	Lab Control Sample	98	102	98	100
MB 480-532601/7	Method Blank	94	107	95	98
MB 480-532831/7	Method Blank	95	107	98	101

#### Surrogate Legend

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

### Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	TPHd14 (22-125)	PHL (8-424)
480-170163-1	BCC Area D Influent	95	83	40	73	95	29
LCS 480-532716/2-A	Lab Control Sample	92	85	52	83	115	36
LCSD 480-532716/3-A	Lab Control Sample Dup	98	103	61	96	121	38
MB 480-532716/1-A	Method Blank	83	92	48	87	115	32

#### Surrogate Legend

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

### Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (36-121)	TCX1 (42-135)
480-170163-1	BCC Area D Influent	60	82
LCS 480-533615/2-A	Lab Control Sample	40	82
LCSD 480-533615/3-A	Lab Control Sample Dup	40	83
MB 480-533615/1-A	Method Blank	38	83

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-532601/7

Matrix: Water

Analysis Batch: 532601

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		5.0	0.39	ug/L			05/20/20 11:30	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/20/20 11:30	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/20/20 11:30	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/20/20 11:30	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/20/20 11:30	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/20/20 11:30	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/20/20 11:30	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/20/20 11:30	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/20/20 11:30	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/20/20 11:30	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/20/20 11:30	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/20/20 11:30	1
Acrolein	ND		100	17	ug/L			05/20/20 11:30	1
Acrylonitrile	ND		100	1.9	ug/L			05/20/20 11:30	1
Benzene	ND		5.0	0.60	ug/L			05/20/20 11:30	1
Bromoform	ND		5.0	0.47	ug/L			05/20/20 11:30	1
Bromomethane	ND		5.0	1.2	ug/L			05/20/20 11:30	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/20/20 11:30	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/20/20 11:30	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/20/20 11:30	1
Chloroethane	ND		5.0	0.87	ug/L			05/20/20 11:30	1
Chloroform	ND		5.0	0.54	ug/L			05/20/20 11:30	1
Chloromethane	ND		5.0	0.64	ug/L			05/20/20 11:30	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/20/20 11:30	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/20/20 11:30	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/20/20 11:30	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/20/20 11:30	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/20/20 11:30	1
Toluene	ND		5.0	0.45	ug/L			05/20/20 11:30	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/20/20 11:30	1
Trichloroethene	ND		5.0	0.60	ug/L			05/20/20 11:30	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/20/20 11:30	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/20/20 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		68 - 130		05/20/20 11:30	1
4-Bromofluorobenzene (Surr)	107		76 - 123		05/20/20 11:30	1
Toluene-d8 (Surr)	95		77 - 120		05/20/20 11:30	1
Dibromofluoromethane (Surr)	98		75 - 123		05/20/20 11:30	1

Lab Sample ID: LCS 480-532601/5

Matrix: Water

Analysis Batch: 532601

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	20.0	19.8		ug/L		99	52 - 162
1,1,1,2-Tetrachloroethane	20.0	18.8		ug/L		94	46 - 157
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	52 - 150

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-532601/5

Matrix: Water

Analysis Batch: 532601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	21.1		ug/L		105	59 - 155
1,1-Dichloroethene	20.0	21.1		ug/L		105	1 - 234
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	20.5		ug/L		103	49 - 155
1,2-Dichloropropane	20.0	20.6		ug/L		103	1 - 210
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	59 - 156
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	18 - 190
2-Chloroethyl vinyl ether	20.0	18.0	J	ug/L		90	1 - 305
Benzene	20.0	20.6		ug/L		103	37 - 151
Bromoform	20.0	16.4		ug/L		82	45 - 169
Bromomethane	20.0	19.9		ug/L		100	1 - 242
Carbon tetrachloride	20.0	19.3		ug/L		96	70 - 140
Chlorobenzene	20.0	19.5		ug/L		98	37 - 160
Dibromochloromethane	20.0	17.7		ug/L		88	53 - 149
Chloroethane	20.0	21.4		ug/L		107	14 - 230
Chloroform	20.0	20.8		ug/L		104	51 - 138
Chloromethane	20.0	17.1		ug/L		85	1 - 273
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	1 - 227
Bromodichloromethane	20.0	19.4		ug/L		97	35 - 155
Ethylbenzene	20.0	19.8		ug/L		99	37 - 162
Methylene Chloride	20.0	19.9		ug/L		100	1 - 221
Tetrachloroethene	20.0	19.6		ug/L		98	64 - 148
Toluene	20.0	19.8		ug/L		99	47 - 150
trans-1,3-Dichloropropene	20.0	16.9		ug/L		85	17 - 183
Trichloroethene	20.0	20.9		ug/L		105	71 - 157
Trichlorofluoromethane	20.0	20.7		ug/L		104	17 - 181
Vinyl chloride	20.0	18.5		ug/L		92	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		68 - 130
4-Bromofluorobenzene (Surr)	105		76 - 123
Toluene-d8 (Surr)	97		77 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-532831/7

Matrix: Water

Analysis Batch: 532831

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		5.0	0.39	ug/L			05/21/20 11:58	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/21/20 11:58	1
1,1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/21/20 11:58	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/21/20 11:58	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/21/20 11:58	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/21/20 11:58	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/21/20 11:58	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/21/20 11:58	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/21/20 11:58	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-532831/7

Matrix: Water

Analysis Batch: 532831

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/21/20 11:58	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/21/20 11:58	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/21/20 11:58	1
Acrolein	ND		100	17	ug/L			05/21/20 11:58	1
Acrylonitrile	ND		100	1.9	ug/L			05/21/20 11:58	1
Benzene	ND		5.0	0.60	ug/L			05/21/20 11:58	1
Bromoform	ND		5.0	0.47	ug/L			05/21/20 11:58	1
Bromomethane	ND		5.0	1.2	ug/L			05/21/20 11:58	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/21/20 11:58	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/21/20 11:58	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/21/20 11:58	1
Chloroethane	ND		5.0	0.87	ug/L			05/21/20 11:58	1
Chloroform	ND		5.0	0.54	ug/L			05/21/20 11:58	1
Chloromethane	ND		5.0	0.64	ug/L			05/21/20 11:58	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/21/20 11:58	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/21/20 11:58	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/21/20 11:58	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/21/20 11:58	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/21/20 11:58	1
Toluene	ND		5.0	0.45	ug/L			05/21/20 11:58	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/21/20 11:58	1
Trichloroethene	ND		5.0	0.60	ug/L			05/21/20 11:58	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/21/20 11:58	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/21/20 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		68 - 130		05/21/20 11:58	1
4-Bromofluorobenzene (Surr)	107		76 - 123		05/21/20 11:58	1
Toluene-d8 (Surr)	98		77 - 120		05/21/20 11:58	1
Dibromofluoromethane (Surr)	101		75 - 123		05/21/20 11:58	1

Lab Sample ID: LCS 480-532831/5

Matrix: Water

Analysis Batch: 532831

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	20.0	20.0		ug/L		100	52 - 162
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	46 - 157
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	52 - 150
1,1-Dichloroethane	20.0	20.7		ug/L		104	59 - 155
1,1-Dichloroethene	20.0	21.4		ug/L		107	1 - 234
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	20.2		ug/L		101	49 - 155
1,2-Dichloropropane	20.0	22.1		ug/L		110	1 - 210
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	59 - 156
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
2-Chloroethyl vinyl ether	20.0	19.8	J	ug/L		99	1 - 305
Benzene	20.0	20.6		ug/L		103	37 - 151

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-532831/5

Matrix: Water

Analysis Batch: 532831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	20.0	15.9		ug/L		79	45 - 169
Bromomethane	20.0	20.2		ug/L		101	1 - 242
Carbon tetrachloride	20.0	19.8		ug/L		99	70 - 140
Chlorobenzene	20.0	19.5		ug/L		97	37 - 160
Dibromochloromethane	20.0	18.0		ug/L		90	53 - 149
Chloroethane	20.0	21.2		ug/L		106	14 - 230
Chloroform	20.0	20.7		ug/L		103	51 - 138
Chloromethane	20.0	18.4		ug/L		92	1 - 273
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	1 - 227
Bromodichloromethane	20.0	21.0		ug/L		105	35 - 155
Ethylbenzene	20.0	19.3		ug/L		97	37 - 162
Methylene Chloride	20.0	20.5		ug/L		102	1 - 221
Tetrachloroethene	20.0	19.5		ug/L		97	64 - 148
Toluene	20.0	19.4		ug/L		97	47 - 150
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	17 - 183
Trichloroethene	20.0	21.4		ug/L		107	71 - 157
Trichlorofluoromethane	20.0	21.0		ug/L		105	17 - 181
Vinyl chloride	20.0	18.7		ug/L		94	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		68 - 130
4-Bromofluorobenzene (Surr)	102		76 - 123
Toluene-d8 (Surr)	98		77 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-170163-1 MS

Matrix: Water

Analysis Batch: 532831

Client Sample ID: BCC Area D Influent

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		400	431		ug/L		108	52 - 162
1,1,1,2,2-Tetrachloroethane	ND		400	369		ug/L		92	46 - 157
1,1,2-Trichloroethane	ND		400	371		ug/L		93	52 - 150
1,1-Dichloroethane	ND		400	450		ug/L		112	59 - 155
1,1-Dichloroethene	ND		400	464		ug/L		116	1 - 234
1,2-Dichlorobenzene	ND		400	397		ug/L		99	18 - 190
1,2-Dichloroethane	ND		400	420		ug/L		105	49 - 155
1,2-Dichloropropane	ND		400	431		ug/L		108	1 - 210
1,3-Dichlorobenzene	ND		400	399		ug/L		100	59 - 156
1,4-Dichlorobenzene	33 J		400	426		ug/L		98	18 - 190
2-Chloroethyl vinyl ether	ND		400	373 J		ug/L		93	1 - 305
Benzene	16 J		400	442		ug/L		106	37 - 151
Bromoform	ND		400	339		ug/L		85	45 - 169
Bromomethane	ND		400	432		ug/L		108	1 - 242
Carbon tetrachloride	ND		400	414		ug/L		103	70 - 140
Chlorobenzene	1800		400	2040 E 4		ug/L		62	37 - 160
Dibromochloromethane	ND		400	350		ug/L		87	53 - 149
Chloroethane	ND		400	452		ug/L		113	14 - 230

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-170163-1 MS

Matrix: Water

Analysis Batch: 532831

Client Sample ID: BCC Area D Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		400	440		ug/L		110	51 - 138
Chloromethane	ND		400	378		ug/L		95	1 - 273
cis-1,3-Dichloropropene	ND		400	375		ug/L		94	1 - 227
Bromodichloromethane	ND		400	407		ug/L		102	35 - 155
Ethylbenzene	ND		400	420		ug/L		105	37 - 162
Methylene Chloride	ND		400	445		ug/L		111	1 - 221
Tetrachloroethene	ND		400	404		ug/L		101	64 - 148
Toluene	ND		400	394		ug/L		99	47 - 150
trans-1,3-Dichloropropene	ND		400	327		ug/L		82	17 - 183
Trichloroethene	ND		400	432		ug/L		108	71 - 157
Trichlorofluoromethane	ND		400	441		ug/L		110	17 - 181
Vinyl chloride	ND		400	405		ug/L		101	1 - 251

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 130
4-Bromofluorobenzene (Surr)	111		76 - 123
Toluene-d8 (Surr)	94		77 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-170163-1 MSD

Matrix: Water

Analysis Batch: 532831

Client Sample ID: BCC Area D Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1-Trichloroethane	ND		400	420		ug/L		105	52 - 162	3	15
1,1,1,2,2-Tetrachloroethane	ND		400	377		ug/L		94	46 - 157	2	15
1,1,1,2-Trichloroethane	ND		400	382		ug/L		96	52 - 150	3	15
1,1-Dichloroethane	ND		400	445		ug/L		111	59 - 155	1	15
1,1-Dichloroethene	ND		400	460		ug/L		115	1 - 234	1	15
1,2-Dichlorobenzene	ND		400	400		ug/L		100	18 - 190	1	15
1,2-Dichloroethane	ND		400	427		ug/L		107	49 - 155	2	15
1,2-Dichloropropane	ND		400	447		ug/L		112	1 - 210	4	15
1,3-Dichlorobenzene	ND		400	399		ug/L		100	59 - 156	0	15
1,4-Dichlorobenzene	33	J	400	427		ug/L		98	18 - 190	0	15
2-Chloroethyl vinyl ether	ND		400	397	J	ug/L		99	1 - 305	6	15
Benzene	16	J	400	445		ug/L		107	37 - 151	1	15
Bromoform	ND		400	332		ug/L		83	45 - 169	2	15
Bromomethane	ND		400	420		ug/L		105	1 - 242	3	15
Carbon tetrachloride	ND		400	412		ug/L		103	70 - 140	0	15
Chlorobenzene	1800		400	2000	E 4	ug/L		54	37 - 160	2	15
Dibromochloromethane	ND		400	355		ug/L		89	53 - 149	2	15
Chloroethane	ND		400	447		ug/L		112	14 - 230	1	15
Chloroform	ND		400	433		ug/L		108	51 - 138	2	15
Chloromethane	ND		400	392		ug/L		98	1 - 273	4	15
cis-1,3-Dichloropropene	ND		400	395		ug/L		99	1 - 227	5	15
Bromodichloromethane	ND		400	422		ug/L		105	35 - 155	3	15
Ethylbenzene	ND		400	409		ug/L		102	37 - 162	3	15
Methylene Chloride	ND		400	464		ug/L		116	1 - 221	4	15

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-170163-1 MSD

Matrix: Water

Analysis Batch: 532831

Client Sample ID: BCC Area D Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		400	398		ug/L		100	64 - 148	1	15
Toluene	ND		400	412		ug/L		103	47 - 150	5	15
trans-1,3-Dichloropropene	ND		400	346		ug/L		86	17 - 183	6	15
Trichloroethene	ND		400	443		ug/L		111	71 - 157	3	15
Trichlorofluoromethane	ND		400	446		ug/L		112	17 - 181	1	15
Vinyl chloride	ND		400	400		ug/L		100	1 - 251	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		68 - 130
4-Bromofluorobenzene (Surr)	108		76 - 123
Toluene-d8 (Surr)	99		77 - 120
Dibromofluoromethane (Surr)	100		75 - 123

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-532716/1-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		05/20/20 14:55	05/21/20 15:17	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		05/20/20 14:55	05/21/20 15:17	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		05/20/20 14:55	05/21/20 15:17	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		05/20/20 14:55	05/21/20 15:17	1
2-Chlorophenol	ND		5.0	0.66	ug/L		05/20/20 14:55	05/21/20 15:17	1
2-Nitrophenol	ND		5.0	0.70	ug/L		05/20/20 14:55	05/21/20 15:17	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		05/20/20 14:55	05/21/20 15:17	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		05/20/20 14:55	05/21/20 15:17	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		05/20/20 14:55	05/21/20 15:17	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		05/20/20 14:55	05/21/20 15:17	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		05/20/20 14:55	05/21/20 15:17	1
4-Nitrophenol	ND		10	10	ug/L		05/20/20 14:55	05/21/20 15:17	1
Acenaphthene	ND		5.0	0.81	ug/L		05/20/20 14:55	05/21/20 15:17	1
Acenaphthylene	ND		5.0	0.87	ug/L		05/20/20 14:55	05/21/20 15:17	1
Aniline	ND		10	1.5	ug/L		05/20/20 14:55	05/21/20 15:17	1
Anthracene	ND		5.0	1.4	ug/L		05/20/20 14:55	05/21/20 15:17	1
Benzidine	ND		80	35	ug/L		05/20/20 14:55	05/21/20 15:17	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		05/20/20 14:55	05/21/20 15:17	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		05/20/20 14:55	05/21/20 15:17	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		05/20/20 14:55	05/21/20 15:17	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-532716/1-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/21/20 15:17	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		05/20/20 14:55	05/21/20 15:17	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		05/20/20 14:55	05/21/20 15:17	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		05/20/20 14:55	05/21/20 15:17	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		05/20/20 14:55	05/21/20 15:17	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		05/20/20 14:55	05/21/20 15:17	1
Chrysene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Decane	ND		10	1.6	ug/L		05/20/20 14:55	05/21/20 15:17	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		05/20/20 14:55	05/21/20 15:17	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		05/20/20 14:55	05/21/20 15:17	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/21/20 15:17	1
Diethyl phthalate	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		05/20/20 14:55	05/21/20 15:17	1
Fluoranthene	ND		5.0	1.6	ug/L		05/20/20 14:55	05/21/20 15:17	1
Fluorene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
Hexachloroethane	ND		5.0	0.60	ug/L		05/20/20 14:55	05/21/20 15:17	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		05/20/20 14:55	05/21/20 15:17	1
Isophorone	ND		5.0	0.74	ug/L		05/20/20 14:55	05/21/20 15:17	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		05/20/20 14:55	05/21/20 15:17	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		05/20/20 14:55	05/21/20 15:17	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		05/20/20 14:55	05/21/20 15:17	1
Naphthalene	ND		5.0	0.86	ug/L		05/20/20 14:55	05/21/20 15:17	1
Nitrobenzene	ND		5.0	0.81	ug/L		05/20/20 14:55	05/21/20 15:17	1
Pentachlorophenol	ND		10	1.6	ug/L		05/20/20 14:55	05/21/20 15:17	1
Phenanthrene	ND		5.0	1.2	ug/L		05/20/20 14:55	05/21/20 15:17	1
Phenol	ND		5.0	0.35	ug/L		05/20/20 14:55	05/21/20 15:17	1
Pyrene	ND		5.0	1.4	ug/L		05/20/20 14:55	05/21/20 15:17	1
n-Octadecane	ND		10	1.2	ug/L		05/20/20 14:55	05/21/20 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		52 - 151	05/20/20 14:55	05/21/20 15:17	1
2-Fluorobiphenyl	92		44 - 120	05/20/20 14:55	05/21/20 15:17	1
2-Fluorophenol	48		17 - 120	05/20/20 14:55	05/21/20 15:17	1
Nitrobenzene-d5	87		15 - 314	05/20/20 14:55	05/21/20 15:17	1
p-Terphenyl-d14	115		22 - 125	05/20/20 14:55	05/21/20 15:17	1
Phenol-d5	32		8 - 424	05/20/20 14:55	05/21/20 15:17	1

Lab Sample ID: LCS 480-532716/2-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	39.4		ug/L		79	44 - 142
1,2-Dichlorobenzene	50.0	35.6		ug/L		71	32 - 129
1,3-Dichlorobenzene	50.0	34.7		ug/L		69	1 - 172

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-532716/2-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	36.6		ug/L		73	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	43.2		ug/L		86	36 - 166
2,4,6-Trichlorophenol	50.0	46.8		ug/L		94	37 - 144
2,4-Dichlorophenol	50.0	46.0		ug/L		92	39 - 135
2,4-Dimethylphenol	50.0	46.1		ug/L		92	32 - 120
2,4-Dinitrophenol	100	82.9		ug/L		83	1 - 191
2,4-Dinitrotoluene	50.0	46.6		ug/L		93	39 - 139
2,6-Dinitrotoluene	50.0	45.9		ug/L		92	50 - 158
2-Chloronaphthalene	50.0	44.9		ug/L		90	60 - 120
2-Chlorophenol	50.0	40.4		ug/L		81	23 - 134
2-Nitrophenol	50.0	44.1		ug/L		88	29 - 182
3,3'-Dichlorobenzidine	100	93.4		ug/L		93	1 - 262
4,6-Dinitro-2-methylphenol	100	80.5		ug/L		80	1 - 181
4-Bromophenyl phenyl ether	50.0	48.4		ug/L		97	53 - 127
4-Chloro-3-methylphenol	50.0	45.2		ug/L		90	22 - 147
4-Chlorophenyl phenyl ether	50.0	46.3		ug/L		93	25 - 158
4-Nitrophenol	100	41.1		ug/L		41	1 - 132
Acenaphthene	50.0	47.6		ug/L		95	47 - 145
Acenaphthylene	50.0	47.9		ug/L		96	33 - 145
Aniline	50.0	39.2		ug/L		78	40 - 120
Anthracene	50.0	49.5		ug/L		99	27 - 133
Benzo[a]anthracene	50.0	49.8		ug/L		100	33 - 143
Benzo[a]pyrene	50.0	47.6		ug/L		95	17 - 163
Benzo[b]fluoranthene	50.0	53.1		ug/L		106	24 - 159
Benzo[g,h,i]perylene	50.0	50.6		ug/L		101	1 - 219
Benzo[k]fluoranthene	50.0	48.4		ug/L		97	11 - 162
Bis(2-chloroethoxy)methane	50.0	42.8		ug/L		86	33 - 184
Bis(2-chloroethyl)ether	50.0	40.7		ug/L		81	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	47.8		ug/L		96	8 - 158
Butyl benzyl phthalate	50.0	48.2		ug/L		96	1 - 152
Chrysene	50.0	49.8		ug/L		100	17 - 168
Di-n-butyl phthalate	50.0	49.0		ug/L		98	1 - 120
Di-n-octyl phthalate	50.0	49.3		ug/L		99	4 - 146
Dibenz(a,h)anthracene	50.0	49.3		ug/L		99	1 - 227
Diethyl phthalate	50.0	47.5		ug/L		95	1 - 120
Dimethyl phthalate	50.0	48.3		ug/L		97	1 - 120
Fluoranthene	50.0	48.2		ug/L		96	26 - 137
Fluorene	50.0	47.4		ug/L		95	59 - 121
Hexachlorobenzene	50.0	45.7		ug/L		91	1 - 152
Hexachlorocyclopentadiene	50.0	38.9		ug/L		78	5 - 120
Hexachloroethane	50.0	35.9		ug/L		72	40 - 120
Indeno[1,2,3-cd]pyrene	50.0	48.9		ug/L		98	1 - 171
Isophorone	50.0	44.3		ug/L		89	21 - 196
N-Nitrosodi-n-propylamine	50.0	42.5		ug/L		85	1 - 230
N-Nitrosodiphenylamine	50.0	47.2		ug/L		94	54 - 125
Naphthalene	50.0	41.2		ug/L		82	21 - 133
Nitrobenzene	50.0	39.5		ug/L		79	35 - 180
Pentachlorophenol	100	83.2		ug/L		83	14 - 176
Phenanthrene	50.0	48.5		ug/L		97	54 - 120

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-532716/2-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	50.0	18.4		ug/L		37	5 - 120
Pyrene	50.0	51.9		ug/L		104	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	92		52 - 151
2-Fluorobiphenyl	85		44 - 120
2-Fluorophenol	52		17 - 120
Nitrobenzene-d5	83		15 - 314
p-Terphenyl-d14	115		22 - 125
Phenol-d5	36		8 - 424

Lab Sample ID: LCSD 480-532716/3-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 532716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	46.5		ug/L		93	44 - 142	17	34
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	32 - 129	22	38
1,3-Dichlorobenzene	50.0	41.0		ug/L		82	1 - 172	17	37
1,4-Dichlorobenzene	50.0	39.9		ug/L		80	20 - 124	9	40
2,2'-oxybis[1-chloropropane]	50.0	49.1		ug/L		98	36 - 166	13	36
2,4,6-Trichlorophenol	50.0	56.8		ug/L		114	37 - 144	19	20
2,4-Dichlorophenol	50.0	51.8		ug/L		104	39 - 135	12	23
2,4-Dimethylphenol	50.0	50.6		ug/L		101	32 - 120	9	18
2,4-Dinitrophenol	100	99.4		ug/L		99	1 - 191	18	29
2,4-Dinitrotoluene	50.0	54.2		ug/L		108	39 - 139	15	20
2,6-Dinitrotoluene	50.0	56.0	*1	ug/L		112	50 - 158	20	17
2-Chloronaphthalene	50.0	54.2		ug/L		108	60 - 120	19	30
2-Chlorophenol	50.0	44.7		ug/L		89	23 - 134	10	26
2-Nitrophenol	50.0	48.5		ug/L		97	29 - 182	9	28
3,3'-Dichlorobenzidine	100	102		ug/L		102	1 - 262	9	31
4,6-Dinitro-2-methylphenol	100	90.3		ug/L		90	1 - 181	12	30
4-Bromophenyl phenyl ether	50.0	53.3		ug/L		107	53 - 127	10	16
4-Chloro-3-methylphenol	50.0	50.4		ug/L		101	22 - 147	11	16
4-Chlorophenyl phenyl ether	50.0	53.6		ug/L		107	25 - 158	15	15
4-Nitrophenol	100	51.3		ug/L		51	1 - 132	22	24
Acenaphthene	50.0	54.8		ug/L		110	47 - 145	14	25
Acenaphthylene	50.0	55.1		ug/L		110	33 - 145	14	22
Aniline	50.0	40.8		ug/L		82	40 - 120	4	30
Anthracene	50.0	55.4		ug/L		111	27 - 133	11	15
Benzo[a]anthracene	50.0	55.9		ug/L		112	33 - 143	12	15
Benzo[a]pyrene	50.0	54.1		ug/L		108	17 - 163	13	15
Benzo[b]fluoranthene	50.0	58.1		ug/L		116	24 - 159	9	17
Benzo[g,h,i]perylene	50.0	56.2		ug/L		112	1 - 219	10	19
Benzo[k]fluoranthene	50.0	55.0		ug/L		110	11 - 162	13	19
Bis(2-chloroethoxy)methane	50.0	51.0		ug/L		102	33 - 184	18	23
Bis(2-chloroethyl)ether	50.0	46.2		ug/L		92	12 - 158	13	33
Bis(2-ethylhexyl) phthalate	50.0	52.9		ug/L		106	8 - 158	10	15

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-532716/3-A

Matrix: Water

Analysis Batch: 532864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 532716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	50.0	54.5		ug/L		109	1 - 152	12	15
Chrysene	50.0	56.5		ug/L		113	17 - 168	12	15
Di-n-butyl phthalate	50.0	55.3		ug/L		111	1 - 120	12	15
Di-n-octyl phthalate	50.0	54.8		ug/L		110	4 - 146	11	15
Dibenz(a,h)anthracene	50.0	54.4		ug/L		109	1 - 227	10	18
Diethyl phthalate	50.0	52.8		ug/L		106	1 - 120	11	15
Dimethyl phthalate	50.0	53.3		ug/L		107	1 - 120	10	15
Fluoranthene	50.0	53.2		ug/L		106	26 - 137	10	15
Fluorene	50.0	55.8		ug/L		112	59 - 121	16	18
Hexachlorobenzene	50.0	53.6	*1	ug/L		107	1 - 152	16	15
Hexachlorocyclopentadiene	50.0	47.7		ug/L		95	5 - 120	20	50
Hexachloroethane	50.0	40.5		ug/L		81	40 - 120	12	43
Indeno[1,2,3-cd]pyrene	50.0	54.2		ug/L		108	1 - 171	10	17
Isophorone	50.0	51.0		ug/L		102	21 - 196	14	21
N-Nitrosodi-n-propylamine	50.0	47.8		ug/L		96	1 - 230	12	23
N-Nitrosodiphenylamine	50.0	54.2		ug/L		108	54 - 125	14	15
Naphthalene	50.0	48.6		ug/L		97	21 - 133	17	31
Nitrobenzene	50.0	47.5		ug/L		95	35 - 180	18	27
Pentachlorophenol	100	93.6		ug/L		94	14 - 176	12	21
Phenanthrene	50.0	54.0		ug/L		108	54 - 120	11	16
Phenol	50.0	20.5		ug/L		41	5 - 120	10	36
Pyrene	50.0	58.0		ug/L		116	52 - 120	11	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	98		52 - 151
2-Fluorobiphenyl	103		44 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	96		15 - 314
p-Terphenyl-d14	121		22 - 125
Phenol-d5	38		8 - 424

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-533615/1-A

Matrix: Water

Analysis Batch: 533869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1221	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1232	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1242	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1248	ND		0.060	0.038	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1254	ND		0.060	0.031	ug/L		05/27/20 15:36	05/28/20 19:57	1
PCB-1260	ND		0.060	0.031	ug/L		05/27/20 15:36	05/28/20 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	38		36 - 121	05/27/20 15:36	05/28/20 19:57	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 480-533615/1-A

Matrix: Water

Analysis Batch: 533869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533615

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		42 - 135	05/27/20 15:36	05/28/20 19:57	1

Lab Sample ID: LCS 480-533615/2-A

Matrix: Water

Analysis Batch: 533869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533615

			Spike	LCS	LCS					%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
PCB-1016			1.00	0.920		ug/L		92	69 - 123		
PCB-1260			1.00	0.852		ug/L		85	69 - 120		
									</		

Lab Sample ID: LCSD 480-533615/3-A

Matrix: Water

Analysis Batch: 533869

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 533615

Analysis Date: 05/05/16										Top Date: 05/05/16	
Analyte	Spike			LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	
	Added	Result	Qualifier	Limits	RPD				Limit		
PCB-1016		1.00	0.923			ug/L		92	69 - 123	0	30
PCB-1260		1.00	0.867			ug/L		87	69 - 120	2	30
Surrogate	LCSD		LCSD								
	%Recovery	Qualifier	Limits								
	DCB Decachlorobiphenyl	40	36 - 121								
	Tetrachloro-m-xylene	83	42 - 135								

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-532848/1-A

Matrix: Water

Analysis Batch: 533073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		05/21/20 10:12	05/21/20 17:00	1
Copper	0.00183	J	0.010	0.0016	mg/L		05/21/20 10:12	05/21/20 17:00	1
Lead	ND		0.010	0.0030	mg/L		05/21/20 10:12	05/21/20 17:00	1
Nickel	ND		0.010	0.0013	mg/L		05/21/20 10:12	05/21/20 17:00	1
Zinc	ND		0.010	0.0015	mg/L		05/21/20 10:12	05/21/20 17:00	1

Lab Sample ID: LCS 480-532848/2-A

Matrix: Water

Analysis Batch: 533073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.201		mg/L		100	85 - 115
Copper	0.200	0.195		mg/L		98	85 - 115
Lead	0.200	0.191		mg/L		95	85 - 115
Nickel	0.200	0.190		mg/L		95	85 - 115

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-532848/2-A

Matrix: Water

Analysis Batch: 533073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.196		mg/L		98	85 - 115

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-533176/1-A

Matrix: Water

Analysis Batch: 533460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/26/20 11:46	05/26/20 14:48	1

Lab Sample ID: LCS 480-533176/2-A

Matrix: Water

Analysis Batch: 533460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00747		mg/L		112	85 - 115

## Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-533227/110

Matrix: Water

Analysis Batch: 533227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.00740	J	0.010	0.0035	mg/L			05/23/20 04:24	1

Lab Sample ID: LCS 480-533227/111

Matrix: Water

Analysis Batch: 533227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: 480-170163-1 MS

Matrix: Water

Analysis Batch: 533227

Client Sample ID: BCC Area D Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.0053	J F1 B	0.100	0.0466	F1	mg/L		41	90 - 110

Lab Sample ID: 480-170163-1 DU

Matrix: Water

Analysis Batch: 533227

Client Sample ID: BCC Area D Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Phenolics, Total Recoverable	0.0053	J F1 B	0.00500	J	mg/L		6	20

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-533357/51

Matrix: Water

Analysis Batch: 533357

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphate as P	ND		0.010	0.0050	mg/L as P			05/26/20 10:32	1

Lab Sample ID: LCS 480-533357/52

Matrix: Water

Analysis Batch: 533357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Phosphate as P	0.200	0.180		mg/L as P		90	90 - 110

## QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

### GC/MS VOA

#### Analysis Batch: 532601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	624.1	
480-170163-2	TRIP BLANK	Total/NA	Water	624.1	
MB 480-532601/7	Method Blank	Total/NA	Water	624.1	
LCS 480-532601/5	Lab Control Sample	Total/NA	Water	624.1	

#### Analysis Batch: 532831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1 - DL	BCC Area D Influent	Total/NA	Water	624.1	
MB 480-532831/7	Method Blank	Total/NA	Water	624.1	
LCS 480-532831/5	Lab Control Sample	Total/NA	Water	624.1	
480-170163-1 MS	BCC Area D Influent	Total/NA	Water	624.1	
480-170163-1 MSD	BCC Area D Influent	Total/NA	Water	624.1	

### GC/MS Semi VOA

#### Prep Batch: 532716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	625	
MB 480-532716/1-A	Method Blank	Total/NA	Water	625	
LCS 480-532716/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-532716/3-A	Lab Control Sample Dup	Total/NA	Water	625	

#### Analysis Batch: 532864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-532716/1-A	Method Blank	Total/NA	Water	625.1	532716
LCS 480-532716/2-A	Lab Control Sample	Total/NA	Water	625.1	532716
LCSD 480-532716/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	532716

#### Analysis Batch: 533123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	625.1	532716

### GC Semi VOA

#### Prep Batch: 533615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	3510C	
MB 480-533615/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-533615/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-533615/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

#### Analysis Batch: 533869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	608.3	533615
MB 480-533615/1-A	Method Blank	Total/NA	Water	608.3	533615
LCS 480-533615/2-A	Lab Control Sample	Total/NA	Water	608.3	533615
LCSD 480-533615/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	533615

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Metals

### Prep Batch: 532848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	200.7	
MB 480-532848/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-532848/2-A	Lab Control Sample	Total/NA	Water	200.7	

### Analysis Batch: 533073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	200.7 Rev 4.4	532848
MB 480-532848/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	532848
LCS 480-532848/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	532848

### Prep Batch: 533176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	245.1	
MB 480-533176/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-533176/2-A	Lab Control Sample	Total/NA	Water	245.1	

### Analysis Batch: 533460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	245.1	533176
MB 480-533176/1-A	Method Blank	Total/NA	Water	245.1	533176
LCS 480-533176/2-A	Lab Control Sample	Total/NA	Water	245.1	533176

## General Chemistry

### Analysis Batch: 533227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	420.4	
MB 480-533227/110	Method Blank	Total/NA	Water	420.4	
LCS 480-533227/111	Lab Control Sample	Total/NA	Water	420.4	
480-170163-1 MS	BCC Area D Influent	Total/NA	Water	420.4	
480-170163-1 DU	BCC Area D Influent	Total/NA	Water	420.4	

### Analysis Batch: 533357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	SM 4500 P E	
MB 480-533357/51	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-533357/52	Lab Control Sample	Total/NA	Water	SM 4500 P E	

### Analysis Batch: 533372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-170163-1	BCC Area D Influent	Total/NA	Water	SM 4500 CN G	

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

## Client Sample ID: BCC Area D Influent

## Lab Sample ID: 480-170163-1

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		5	532601	05/20/20 16:30	WJD	TAL BUF
Total/NA	Analysis	624.1	DL	20	532831	05/21/20 12:42	LCH	TAL BUF
Total/NA	Prep	625			532716	05/20/20 14:55	ATG	TAL BUF
Total/NA	Analysis	625.1		1	533123	05/22/20 12:34	JMM	TAL BUF
Total/NA	Prep	3510C			533615	05/27/20 15:36	ATG	TAL BUF
Total/NA	Analysis	608.3		1	533869	05/28/20 21:16	W1T	TAL BUF
Total/NA	Prep	200.7			532848	05/21/20 10:12	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	533073	05/21/20 17:44	LMH	TAL BUF
Total/NA	Prep	245.1			533176	05/26/20 11:46	BMB	TAL BUF
Total/NA	Analysis	245.1		1	533460	05/26/20 15:23	BMB	TAL BUF
Total/NA	Analysis	420.4		1	533227	05/23/20 04:31	SRA	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	533372	05/22/20 13:31	DLG	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	533357	05/26/20 10:32	EAG	TAL BUF

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 480-170163-2

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/19/20 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	532601	05/20/20 16:54	WJD	TAL BUF

### Laboratory References:

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



## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable

## Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-170163-1	BCC Area D Influent	Water	05/18/20 00:00	05/19/20 16:30	
480-170163-2	TRIP BLANK	Water	05/18/20 00:00	05/19/20 16:30	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color Area D Annual Influent

Job ID: 480-170163-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10

## Chain of Custody Record

[illegible]

## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-170163-1

**Login Number: 170163**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan D**

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	3.4 #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
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

## ATTACHMENT E - DISCHARGE MONITORING REPORTS





April 30, 2020

Michael Szilagyi  
Industrial Waste Administrator  
Buffalo Sewer Authority  
90 West Ferry Street  
Buffalo, New York, 14213

**Subject: South Buffalo Development Corporation, LLC  
Former Buffalo Color Corporation Site  
Permit #17-06-BU109  
OSC Project ID: 16011**

Dear Mr. Szilagyi:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting the Discharge Monitoring Report for the Buffalo Color Remediation Site covering the period of January 1 through March 31, 2020. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #17-06-BU109.

Included with the report are:

- Operation log sheets;
- A copy of the current BSA discharge permit;
- Schematic showing the location for monitoring and sampling;
- Summary of the discharge flow by month;
- Comparison of analytical data to permit limits; and
- Analytical laboratory results.

During the reporting period, a quarterly sample was collected on February 26, 2020 and results were received on March 5<sup>th</sup>. When results were reviewed on March 9<sup>th</sup>, it was discovered that the sample exceeded Maximum Allowable Instantaneous Discharge Limits (MAID) for chlorobenzene (430 µg/L). However, the max daily discharge was not exceeded. OSC shut down system operations and contacted BSA. An additional sample was collected on March 9<sup>th</sup> and sent for analysis. While waiting for results, OSC changed out the carbon in the treatment vessels and collected a third verification sample. Both the second and third discharge sample results indicated no parameters above discharge limits. On March 20<sup>th</sup>, OSC requested to restart the system which was granted on March 27<sup>th</sup> by BSA.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Kirsten Colligan  
Project Manager - *Ontario Specialty Contracting, Inc.*

cc:	Richard Galloway	Honeywell
	Eugene Melnyk	NYSDEC Region 9
	John Yensan	South Buffalo Development, LLC



**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York, 14213**

**B.P.D.E.S. Permit No. #17-06-BU109  
Former Buffalo Color Corporation Site  
South Buffalo Development Corporation LLC (SBD)  
Reporting Period: January 1, 2020 through March 31, 2020**

The following is the discharge data associated with the operations of the former Buffalo Color Corporation Area A and D Groundwater Extraction System throughout the reporting period. A schematic representing the current locations for discharge sampling is provided as an attachment. The monthly flow data presented is based upon flow data from the EW-1, EW-2, EW-3, EW-4, and EW-5 flow totalizers, plus any flow from the Area D well pumping. All samples gathered were grab samples and analysis was provided by TestAmerica located in Amherst, NY. The multiple sample analytical results are attached.

Total Flow Data by Month:

January 2020	380,491 gallons
February 2020	385,934 gallons
March 2020	456,183 gallons

Total Quarterly Discharge      1,226,349gallons

Estimated Area D contribution this period:

3,741 gallons

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Kirsten Colligan  
Project Manager

Ontario Specialty Contracting, Inc.

Attachments:

BSA Permit Analytical Summary Table, BSA Discharge Permit, Monitoring and Sampling Schematic, Laboratory Analytical Results, and Field Data Collection Sheets

**BSA Permit Analytical Summary Table**

**Compliance Confirmation  
Discharge Monitoring Report**

BSA Permit No. 17-06-BU109 Effective June 1, 2017  
Sample Date: 2/26/2020  
Sample Location: Onsite Pump Station to BSA

Year: 2020  
Month: MAR

Event Group: SUMP  
Lab Job ID: J166751-1

BSA Permit Parameter		Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance	MAID mg/L	Quantity mg/L	Permit Compliance
Chemical	CAS No. / Method ID	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit				
pH	PH	7.8	0.100	SU	7.80	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	2.1	2.0	mg/L	2.1	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.022	0.010	mg/L	0.003	lbs/day	1.67	lbs/day	Yes	20	0.022	Yes
Total Chromium	7440-47-3	0.0022	0.0040	mg/L	0.0003	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0028	0.010	mg/L	0.000	lbs/day	0.67	lbs/day	Yes	16	0.0028	Yes
Lead	7439-92-1	0.0031	0.0050	mg/L	0.0004	lbs/day	0.541	lbs/day	Yes	65	0.0031	Yes
Total Mercury	7439-97-6	ND	0.00020	mg/L	ND	lbs/day	0.00033	lbs/day	Yes	0.0008	ND	Yes
Total Nickel	7440-02-0	0.0017	0.010	mg/L	0.0002	lbs/day	1.17	lbs/day	Yes	14	0.0017	Yes
Zinc	7440-66-6	0.0057	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.006	Yes
Amendable Cyanide	CAN	0.019	0.010	mg/L	0.003	lbs/day	2.59	lbs/day	Yes	6.2	0.019	Yes
Total PCB	Sum Method_E608	ND	0.060	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	5	10	ug/L	0.703	lbs/day	50	lbs/day	Yes	0.01	0.0050	Yes
Benzene	71-43-2	28	5	ug/L	0.0039	lbs/day	0.059	lbs/day	Yes	0.142	0.028	Yes
Chlorobenzene	108-90-7	430	5	ug/L	0.0604	lbs/day	0.129	lbs/day	Yes	0.31	0.43	No
1,2-Dichlorobenzene	95-50-1	1.5	5	ug/L	0.0002	lbs/day	0.197	lbs/day	Yes	0.472	0.0015	Yes
Fluoranthene	206-44-0	ND	5	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	ND	25	ug/L	ND	mg/L	*	mg/L	Yes			
Total Suspended Solids	TSS	14	4.0	mg/L	14.0	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	1.1	0.010	mg/L	1.100	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	11.69380106	-	gpm	16,839	gpd	50,000	gpd	Yes			

\*Permit requires reporting of Aniline or Aniline Derivative and Max Individual Purgeables concentrations in excess of 0.01 mg/L

\*\*Analyzed by total phosphorus method SM 4500-P E

MAID - Maximum Allowable Instantaneous Discharge

<b>Flow Calculations</b>			
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)			
Initial Reading	63,048,046		1/1/2020
Final Reading	64,193,103		3/9/2020
Total Days in Period	68		
<b>Total Flow for Period</b>	<b>1,145,057</b>	gallons	
<b>Average Flow for Period</b>	<b>11.69</b>	gpm	

**Compliance Confirmation  
Discharge Monitoring Report**

BSA Permit No.	17-06-BU109	Effective June 1, 2017
Sample Date:	3/9/2020	
Sample Location:	Onsite Pump Station to BSA	

Year: 2020  
Month: MAR

Event Group: SUMP  
Lab Job ID: J167185-1

BSA Permit Parameter		Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance	MAID mg/L	Quantity mg/L	Permit Compliance
Chemical	CAS No. / Method ID	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit				
pH	PH	8.5	0.100	SU	8.50	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.015	0.010	mg/L	0.003	lbs/day	1.67	lbs/day	Yes	20	0.015	Yes
Total Chromium	7440-47-3	0.0022	0.0040	mg/L	0.0004	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0022	0.010	mg/L	0.000	lbs/day	0.67	lbs/day	Yes	16	0.0022	Yes
Lead	7439-92-1	ND	0.0050	mg/L	ND	lbs/day	0.541	lbs/day	Yes	65	ND	Yes
Total Mercury	7439-97-6	ND	0.00020	mg/L	ND	lbs/day	0.00033	lbs/day	Yes	0.0008	ND	Yes
Total Nickel	7440-02-0	0.0017	0.010	mg/L	0.0003	lbs/day	1.17	lbs/day	Yes	14	0.0017	Yes
Zinc	7440-66-6	0.0089	0.010	mg/L	0.002	lbs/day	2.046	lbs/day	Yes	25	0.009	Yes
Amendable Cyanide	CAN	0.021	0.010	mg/L	0.004	lbs/day	2.59	lbs/day	Yes	6.2	0.021	Yes
Total PCB	Sum Method_E608	ND	0.060	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	4.1	10	ug/L	0.695	lbs/day	50	lbs/day	Yes	0.01	0.0041	Yes
Benzene	71-43-2	1.3	5	ug/L	0.0002	lbs/day	0.059	lbs/day	Yes	0.142	0.001	Yes
Chlorobenzene	108-90-7	ND	5	ug/L	ND	lbs/day	0.129	lbs/day	Yes	0.31	ND	Yes
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	5	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	ND	25	ug/L	ND	mg/L	*	mg/L	Yes			
Total Suspended Solids	TSS	13.6	4.0	mg/L	13.6	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	3.4	0.010	mg/L	3.400	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	14.11319444	-	gpm	20,323	gpd	50,000	gpd	Yes			

\*Permit requires reporting of Aniline or Aniline Derivative and Max Individual Purgeables concentrations in excess of 0.01 mg/L

\*\*Analyzed by total phosphorus method SM 4500-P E

MAID - Maximum Allowable Instantaneous Discharge

<b>Flow Calculations</b>		
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)		
Initial Reading	64,193,103	3/27/2020
Final Reading	64,274,395	3/31/2020
Total Days in Period	4	
<b>Total Flow for Period</b>	<b>81,292</b>	gallons
<b>Average Flow for Period</b>	<b>14.11</b>	gpm

## **BSA Discharge Permit**

**AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO  
POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NO. 17-06-BU109  
EPA 40CFR 403**

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, and the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

**South Buffalo Development, LLC.**

to discharge remediated wastewater from the site located at:

**Areas A and D of the former Buffalo Color Corporation Site  
1037 South Park Avenue, Buffalo, New York 14210**

to the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **February 2, 2017** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

**Effective this June 1, 2017**

**To Expire May 31, 2020**

  
\_\_\_\_\_  
**General Manager**

Signed this 4<sup>th</sup> day of May, 2017

**PART I: SPECIFIC CONDITIONS****A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS**

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfalls (see attached maps) shall be limited and monitored **Quarterly** by the permittee as specified below:

Sample		Discharge Limitations		Sampling Requirements	
Point	Parameter	Daily Max	MAID* (mg/L)	Type	Frequency
001	pH <sup>(1)</sup>	5.0 - 12.0 SU		Probe	Quarterly
	Total Flow	50,000 gals		Flow Meter <sup>(2)</sup>	Continuous
	BOD <sub>5</sub>	250 mg/L <sup>(3)</sup>		Composite <sup>(4)</sup>	Quarterly
	Total Suspended Solids	250 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phosphate	15.35 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phenol <sup>(5)</sup>	1.67 lbs	20.0	Composite	Quarterly
	Amenable Cyanide	2.59 lbs	6.2	Grab <sup>(7)</sup>	Quarterly
	Total Mercury	0.00033 lbs	0.0008	Composite	Quarterly
	Total Nickel	1.17 lbs	14.0	Composite	Quarterly
	Total Copper	0.67 lbs	16.0	Composite	Quarterly
	Total Chromium	0.83 lbs	40.0	Composite	Quarterly
	Lead	0.541 lbs	65.0	Composite	Quarterly
	Zinc	2.046 lbs	25.0	Composite	Quarterly
	Purgeables-EPA Test <sup>(6)</sup>			Grab <sup>(7)</sup>	Quarterly
	Methods 624				
	Base/Neutrals & Acid <sup>(8)</sup>				Quarterly
	Extractable-EPA				
	Tests Method 625			Grab	Quarterly
	EPA Test Method 608 <sup>(9)</sup>			Grab	Quarterly
	Aniline	50.0 lbs	0.00	Grab	Quarterly
	Benzene	0.059 lbs	0.142 mg/L	Grab	Quarterly
	Chlorobenzene	0.129 lbs	0.310 mg/L	Grab	Quarterly
	1, 2-Dichlorobenzene	0.197 lbs.	0.472 mg/L	Grab	Quarterly
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Grab	Quarterly
	Acenaphthylene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Naphthalene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Anthracene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	Maid*	Type	Frequency
	Fluorene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Phenanthrene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

\*M.A.I.D. – Maximum Allowable Instantaneous Discharge – Slug Limit.  
SEE PAGE FOUR (4) FOR EXPLANATION OF SPECIFIC REQUIREMENTS.



**PART I: SPECIFIC CONDITIONS****B. DISCHARGE MONITORING REPORTING REQUIREMENTS**

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported quarterly by the permittee on the days specified below:

Sample Point	Parameter	Reporting	Requirements
001	All Analytes	Initial Report*	Subsequent Reports*
		July 31, 2017	October 31, 2017
			January 31, 2018
			April 30, 2018
			July 31, 2018
			October 31, 2018
			January 31, 2019
			April 30, 2019
			July 31, 2019
			October 31, 2019 **
			January 31, 2020
			April 30, 2020

\* Each reporting dated is for samples collected during the previous quarter.

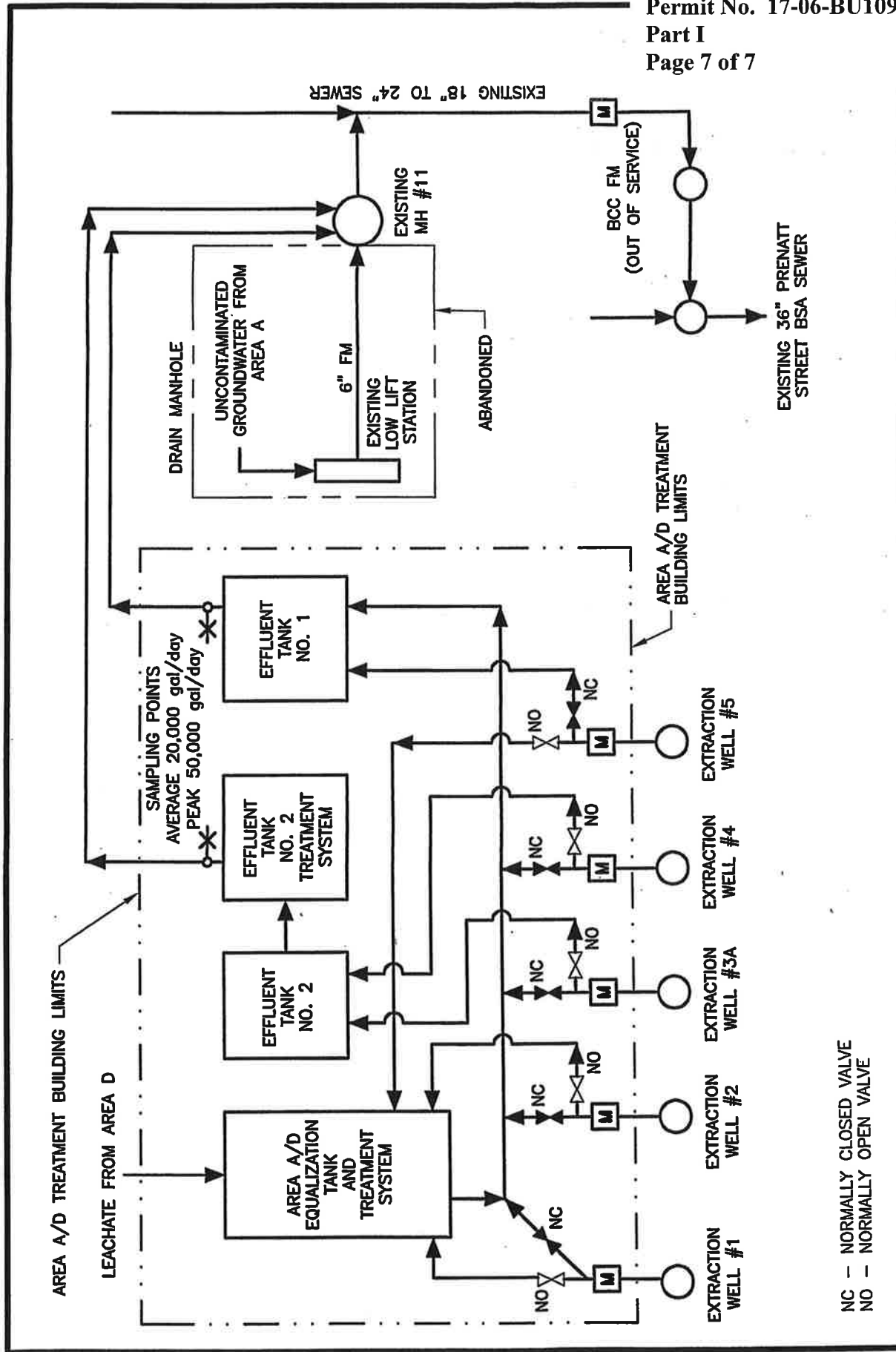
\*\* The Industrial Discharge Permit Application to renew discharge permit is due.

## PART I: SPECIFIC CONDITIONS

### C. SPECIAL REQUIREMENTS

- (1) The pH meter must be calibrated and maintained in accordance with the manufacturer's specifications. The calibrations and the person(s) responsible for it must be recorded in a bound logbook. This logbook must be available for BSA inspection at all times.
- (2) All flow meters must be calibrated and certified by a certified manufacturer's representative at least once per year. This report must be submitted with the annual report. All flow meters must be serviced and maintained in accordance with the manufacturer's specifications. The BSA must be notified of any malfunctions which last for more than 24 hours within three (3) days of the malfunction. If a flow meter, especially at SP001, remains out of service for more than five (5) consecutive days, the permittee must install a temporary meter until such time as the defective meter is repaired or replaced. The BSA at its option, may require a written report on any malfunctions.
- (3) Surchargeable limit only.
- (4) Composite samples may be flow proportioned.
- (5) EPA Test Method 604.
- (6) The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.
- (7) Four grab samples must be properly taken and preserved over an equally spaced time period during a normal discharge day. The four grab samples must be flow proportionally composited at a New York State Department of Health certified lab.
- (8) All samples collected for the base neutral and acid extractable EPA analytical test procedures must go through a special cleanup to prevent aniline and aniline derivative interference of the analytical method. The permittee must report any aniline and aniline derivative whose concentration is greater than 0.01 mg/L.

- (9) The permittee must report any compound whose concentration is greater than 0.30 ug/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.



NC - NORMALLY CLOSED VALVE  
NO - NORMALLY OPEN VALVE

FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY

OSC  
Ontario Specialty Contracting, Inc.  
Environmental Remediation • Detection / Characterization • Remedial Investigation

GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

**BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT**  
**PART II: GENERAL CONDITIONS**

**A. MONITORING AND REPORTING**

**1. Local Limits**

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

**2. Definitions**

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

**3. Discharge Sampling Analysis**

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

**4. Recording of Results**

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

**5. Additional Monitoring by Permittee**

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

**6. Reporting**

All reports prepared in accordance with this Permit shall be submitted to:

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York 14213**

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

**7. Certification Statement**

All self-monitoring reports shall include the following certification statement, signed by the preparer of the report:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".*

**B. PERMITTEE REQUIREMENTS**

**1. Change in Discharge**

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

**2. Records Retention**

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

**3. Slug Control Plan**

Upon written notification by the BSA that a slug control plan is necessary for the permittee, the plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines" sheet. Within 90 days of the BSA notification, the permittee must implement the slug control plan

**4. Notification of Slug, Accidental Discharge or Spill**

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM - 3:00 PM call 716-851-4664, ext. 5374. After normal business hours call 716-851-4664, ext. 600. For all slug discharges, and when requested by the BSA following an accidental discharge or spill, within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

**5. Noncompliance Notification**

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 716-851-4664 ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. a description of the discharge and cause of noncompliance and;
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying discharge.

Additionally, the permittee shall repeat the sampling and analysis and submit these results of the report analysis to the Industrial Waste Section within 30 days after becoming aware of the violation.

**6. Adverse Impact**

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**7. Waste Residuals**

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

**8. Power Failures**

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

**9. Treatment Upsets**

- a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

- (i) A description of the upset, its cause(s) and impact on the discharger's compliance status;
- (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;
- (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

- b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any



noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

**10. Treatment Bypasses**

- a. A bypass of the treatment system is prohibited unless the following conditions are met:
  - (i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or
  - (ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and
  - (iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.
- b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.
- c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

**C. PERMITTEE RESPONSIBILITIES**

**1. Permit Availability**

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

**2. Inspections**

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

**3. Transfer of Ownership or Control**

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

**D. PERMITTEE LIABILITIES**

**1. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

- a. Violation of any terms or conditions of this permit,
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**2. Imminent Danger**

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

**3. Civil and Criminal Liability**

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

**E. NATIONAL PRETREATMENT STANDARDS**

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

**F. PLANT CLOSURE**

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

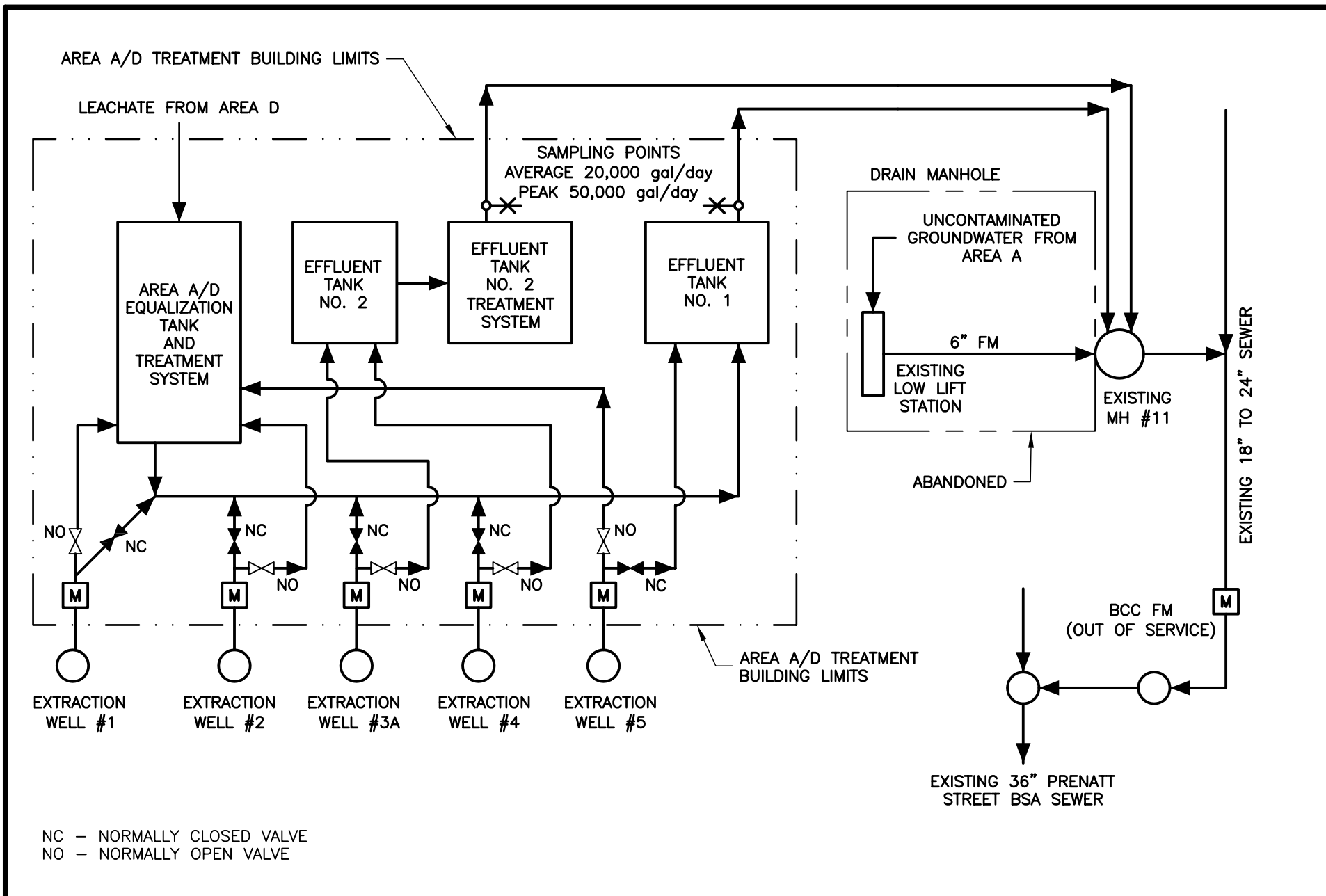
**G. CONFIDENTIALITY**

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**H. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## **Monitoring and Sampling Schematics**



FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY



Ontario Specialty Contracting, Inc.  
Environmental Remediation • Demolition / Dismantlement • Brownfield Redevelopment

GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

## **Laboratory Analytical Results**

## ANALYTICAL REPORT

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

Laboratory Job ID: 480-166751-1

Client Project/Site: 37745-Buffalo Color- Quarterly GWTF  
SUMP

Sampling Event: Buffalo Color - Quarterly Sump

For:

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

Attn: Kirsten Colligan



Authorized for release by:

3/5/2020 2:52:41 PM

Rebecca Jones, Project Management Assistant I

[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II

(716)504-9838

[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

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## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

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

#### General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

### 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

## Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Job ID: 480-166751-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-166751-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/26/2020 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

#### GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC BSA SUMP\_0220 (480-166751-1). Elevated reporting limits (RLs) are provided.

Method 624.1: The following Volatile samples were composited by the laboratory on 2-27-2020 as requested by the client: BCC BSA SUMP\_0220 (480-166751-1) and TRIP BLANK (480-166751-2). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

Method 624.1: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following sample was received preserved with hydrochloric acid: TRIP BLANK (480-166751-2). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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

#### GC/MS Semi VOA

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

#### GC Semi VOA

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

#### Metals

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

#### General Chemistry

Method SM 5210B: The glucose-glutamic acid standard recovered low outside the recovery limits specified in the method in batch 480-519485 .

Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC BSA SUMP\_0220 (480-166751-1).

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

#### Organic Prep

Method 625: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-519215.

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: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

**Client Sample ID: BCC BSA SUMP\_0220**

**Lab Sample ID: 480-166751-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.5	J	5.0	0.44	ug/L	1		624.1	Total/NA
1,3-Dichlorobenzene	4.8	J	5.0	0.54	ug/L	1		624.1	Total/NA
1,4-Dichlorobenzene	33		5.0	0.51	ug/L	1		624.1	Total/NA
Benzene	28		5.0	0.60	ug/L	1		624.1	Total/NA
Chlorobenzene - DL	430		50	4.8	ug/L	10		624.1	Total/NA
1,3-Dichlorobenzene	4.6	J	9.6	0.66	ug/L	1		625.1	Total/NA
1,4-Dichlorobenzene	27		9.6	5.4	ug/L	1		625.1	Total/NA
2-Chlorophenol	1.5	J	4.8	0.63	ug/L	1		625.1	Total/NA
Aniline	5.0	J	9.6	1.4	ug/L	1		625.1	Total/NA
Di-n-butyl phthalate	12		4.8	1.5	ug/L	1		625.1	Total/NA
N-Nitrosodiphenylamine	1.8	J	4.8	0.38	ug/L	1		625.1	Total/NA
Chromium	0.0022	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0028	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0031	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0057	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.022	F1	0.010	0.0050	mg/L	1		420.1	Total/NA
Total Suspended Solids	14.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Cyanide, Amenable	0.019		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
pH	7.8	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	18.2	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA
Phosphorus	1.1	F1	0.020	0.010	mg/L as P	2		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	2.1	*	2.0	2.0	mg/L	1		SM 5210B	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-166751-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.59	J	5.0	0.51	ug/L	1		624.1	Total/NA
Chlorobenzene	4.8	J	5.0	0.48	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

Client Sample ID: BCC BSA SUMP\_0220

Lab Sample ID: 480-166751-1

Date Collected: 02/26/20 12:30

Matrix: Water

Date Received: 02/26/20 15:15

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			02/27/20 13:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/27/20 13:04	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/27/20 13:04	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/27/20 13:04	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/27/20 13:04	1
1,2-Dichlorobenzene	1.5	J	5.0	0.44	ug/L			02/27/20 13:04	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/27/20 13:04	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/27/20 13:04	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/27/20 13:04	1
1,3-Dichlorobenzene	4.8	J	5.0	0.54	ug/L			02/27/20 13:04	1
1,4-Dichlorobenzene	33		5.0	0.51	ug/L			02/27/20 13:04	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/27/20 13:04	1
Acrolein	ND		100	17	ug/L			02/27/20 13:04	1
Acrylonitrile	ND		50	1.9	ug/L			02/27/20 13:04	1
Benzene	28		5.0	0.60	ug/L			02/27/20 13:04	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/27/20 13:04	1
Bromoform	ND		5.0	0.47	ug/L			02/27/20 13:04	1
Bromomethane	ND		5.0	1.2	ug/L			02/27/20 13:04	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/27/20 13:04	1
Chloroethane	ND		5.0	0.87	ug/L			02/27/20 13:04	1
Chloroform	ND		5.0	0.54	ug/L			02/27/20 13:04	1
Chloromethane	ND		5.0	0.64	ug/L			02/27/20 13:04	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/27/20 13:04	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/27/20 13:04	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/27/20 13:04	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/27/20 13:04	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/27/20 13:04	1
Toluene	ND		5.0	0.45	ug/L			02/27/20 13:04	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/27/20 13:04	1
Trichloroethene	ND		5.0	0.60	ug/L			02/27/20 13:04	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/27/20 13:04	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/27/20 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		02/27/20 13:04	1
4-Bromofluorobenzene (Surr)	99		76 - 123		02/27/20 13:04	1
Dibromofluoromethane (Surr)	100		75 - 123		02/27/20 13:04	1
Toluene-d8 (Surr)	94		77 - 120		02/27/20 13:04	1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	430		50	4.8	ug/L			02/27/20 15:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		02/27/20 15:03	10
4-Bromofluorobenzene (Surr)	98		76 - 123		02/27/20 15:03	10
Dibromofluoromethane (Surr)	99		75 - 123		02/27/20 15:03	10
Toluene-d8 (Surr)	94		77 - 120		02/27/20 15:03	10

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

Client Sample ID: BCC BSA SUMP\_0220

Lab Sample ID: 480-166751-1

Date Collected: 02/26/20 12:30

Matrix: Water

Date Received: 02/26/20 15:15

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	0.79	ug/L		02/27/20 08:48	03/03/20 04:38	1
1,2-Dichlorobenzene	ND		9.6	4.8	ug/L		02/27/20 08:48	03/03/20 04:38	1
1,2-Diphenylhydrazine	ND		9.6	0.75	ug/L		02/27/20 08:48	03/03/20 04:38	1
1,3-Dichlorobenzene	4.6	J	9.6	0.66	ug/L		02/27/20 08:48	03/03/20 04:38	1
1,4-Dichlorobenzene	27		9.6	5.4	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,2'-oxybis[1-chloropropane]	ND		4.8	0.81	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,4,6-Trichlorophenol	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,4-Dichlorophenol	ND		4.8	0.74	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,4-Dimethylphenol	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,4-Dinitrophenol	ND		9.6	4.8	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,4-Dinitrotoluene	ND		4.8	4.8	ug/L		02/27/20 08:48	03/03/20 04:38	1
2,6-Dinitrotoluene	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
2-Chloronaphthalene	ND		4.8	0.88	ug/L		02/27/20 08:48	03/03/20 04:38	1
2-Chlorophenol	1.5	J	4.8	0.63	ug/L		02/27/20 08:48	03/03/20 04:38	1
2-Nitrophenol	ND		4.8	0.67	ug/L		02/27/20 08:48	03/03/20 04:38	1
3,3'-Dichlorobenzidine	ND		4.8	0.79	ug/L		02/27/20 08:48	03/03/20 04:38	1
4,6-Dinitro-2-methylphenol	ND		9.6	0.63	ug/L		02/27/20 08:48	03/03/20 04:38	1
4-Bromophenyl phenyl ether	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
4-Chloro-3-methylphenol	ND		4.8	1.1	ug/L		02/27/20 08:48	03/03/20 04:38	1
4-Chlorophenyl phenyl ether	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
4-Nitrophenol	ND		9.6	9.6	ug/L		02/27/20 08:48	03/03/20 04:38	1
Acenaphthene	ND		4.8	0.78	ug/L		02/27/20 08:48	03/03/20 04:38	1
Acenaphthylene	ND		4.8	0.84	ug/L		02/27/20 08:48	03/03/20 04:38	1
Aniline	5.0	J	9.6	1.4	ug/L		02/27/20 08:48	03/03/20 04:38	1
Anthracene	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzidine	ND		77	34	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzo[a]anthracene	ND		4.8	1.1	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzo[a]pyrene	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzo[b]fluoranthene	ND		4.8	1.2	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzo[g,h,i]perylene	ND		4.8	1.4	ug/L		02/27/20 08:48	03/03/20 04:38	1
Benzo[k]fluoranthene	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
Bis(2-chloroethoxy)methane	ND		4.8	0.72	ug/L		02/27/20 08:48	03/03/20 04:38	1
Bis(2-chloroethyl)ether	ND		4.8	0.89	ug/L		02/27/20 08:48	03/03/20 04:38	1
Bis(2-ethylhexyl) phthalate	ND		9.6	1.2	ug/L		02/27/20 08:48	03/03/20 04:38	1
Butyl benzyl phthalate	ND		4.8	1.1	ug/L		02/27/20 08:48	03/03/20 04:38	1
Chrysene	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
Decane	ND		9.6	1.5	ug/L		02/27/20 08:48	03/03/20 04:38	1
Di-n-butyl phthalate	12		4.8	1.5	ug/L		02/27/20 08:48	03/03/20 04:38	1
Di-n-octyl phthalate	ND		4.8	1.2	ug/L		02/27/20 08:48	03/03/20 04:38	1
Dibenz(a,h)anthracene	ND		4.8	1.4	ug/L		02/27/20 08:48	03/03/20 04:38	1
Diethyl phthalate	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
Dimethyl phthalate	ND		4.8	0.88	ug/L		02/27/20 08:48	03/03/20 04:38	1
Fluoranthene	ND		4.8	1.5	ug/L		02/27/20 08:48	03/03/20 04:38	1
Fluorene	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
Hexachlorobenzene	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
Hexachlorobutadiene	ND		4.8	0.96	ug/L		02/27/20 08:48	03/03/20 04:38	1
Hexachlorocyclopentadiene	ND		4.8	4.8	ug/L		02/27/20 08:48	03/03/20 04:38	1
Hexachloroethane	ND		4.8	0.58	ug/L		02/27/20 08:48	03/03/20 04:38	1
Indeno[1,2,3-cd]pyrene	ND		4.8	1.4	ug/L		02/27/20 08:48	03/03/20 04:38	1

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# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

Client Sample ID: BCC BSA SUMP\_0220

Lab Sample ID: 480-166751-1

Date Collected: 02/26/20 12:30

Matrix: Water

Date Received: 02/26/20 15:15

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		4.8	0.71	ug/L		02/27/20 08:48	03/03/20 04:38	1
N-Nitrosodi-n-propylamine	ND		4.8	0.86	ug/L		02/27/20 08:48	03/03/20 04:38	1
N-Nitrosodimethylamine	ND		9.6	4.8	ug/L		02/27/20 08:48	03/03/20 04:38	1
N-Nitrosodiphenylamine	1.8	J	4.8	0.38	ug/L		02/27/20 08:48	03/03/20 04:38	1
Naphthalene	ND		4.8	0.83	ug/L		02/27/20 08:48	03/03/20 04:38	1
Nitrobenzene	ND		4.8	0.78	ug/L		02/27/20 08:48	03/03/20 04:38	1
Pentachlorophenol	ND		9.6	1.5	ug/L		02/27/20 08:48	03/03/20 04:38	1
Phenanthrene	ND		4.8	1.2	ug/L		02/27/20 08:48	03/03/20 04:38	1
Phenol	ND		4.8	0.34	ug/L		02/27/20 08:48	03/03/20 04:38	1
Pyrene	ND		4.8	1.3	ug/L		02/27/20 08:48	03/03/20 04:38	1
n-Octadecane	ND		9.6	1.2	ug/L		02/27/20 08:48	03/03/20 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		52 - 151	02/27/20 08:48	03/03/20 04:38	1
2-Fluorobiphenyl	92		44 - 120	02/27/20 08:48	03/03/20 04:38	1
2-Fluorophenol	45		17 - 120	02/27/20 08:48	03/03/20 04:38	1
Nitrobenzene-d5	75		15 - 314	02/27/20 08:48	03/03/20 04:38	1
p-Terphenyl-d14	100		22 - 125	02/27/20 08:48	03/03/20 04:38	1
Phenol-d5	31		8 - 424	02/27/20 08:48	03/03/20 04:38	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1221	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1232	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1242	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1248	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1254	ND		0.060	0.031	ug/L		02/28/20 15:21	03/02/20 05:05	1
PCB-1260	ND		0.060	0.031	ug/L		02/28/20 15:21	03/02/20 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		36 - 121	02/28/20 15:21	03/02/20 05:05	1
Tetrachloro-m-xylene	72		42 - 135	02/28/20 15:21	03/02/20 05:05	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0022	J	0.0040	0.0010	mg/L		02/27/20 09:18	02/27/20 16:20	1
Copper	0.0028	J	0.010	0.0016	mg/L		02/27/20 09:18	02/27/20 16:20	1
Lead	0.0031	J	0.010	0.0030	mg/L		02/27/20 09:18	02/27/20 16:20	1
Nickel	0.0017	J	0.010	0.0013	mg/L		02/27/20 09:18	02/27/20 16:20	1
Zinc	0.0057	J	0.010	0.0015	mg/L		02/27/20 09:18	02/27/20 16:20	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/03/20 12:45	03/03/20 15:46	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.022	F1	0.010	0.0050	mg/L		02/28/20 19:22	02/28/20 21:58	1
Cyanide, Amenable	0.019		0.010	0.0050	mg/L			02/27/20 01:56	1
Phosphorus	1.1	F1	0.020	0.010	mg/L as P			02/27/20 14:40	2

Eurofins TestAmerica, Buffalo

## Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

**Client Sample ID: BCC BSA SUMP\_0220**

**Lab Sample ID: 480-166751-1**

Date Collected: 02/26/20 12:30

Matrix: Water

Date Received: 02/26/20 15:15

### General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.1	*	2.0	2.0	mg/L			02/28/20 10:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	14.0		4.0	4.0	mg/L			02/27/20 18:04	1
pH	7.8	HF	0.1	0.1	SU			03/02/20 17:12	1
Temperature	18.2	HF	0.001	0.001	Degrees C			03/02/20 17:12	1

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166751-2

Date Collected: 02/26/20 00:00

Matrix: Water

Date Received: 02/26/20 15:15

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			02/27/20 13:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/27/20 13:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/27/20 13:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/27/20 13:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/27/20 13:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			02/27/20 13:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/27/20 13:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/27/20 13:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/27/20 13:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			02/27/20 13:27	1
1,4-Dichlorobenzene	0.59	J	5.0	0.51	ug/L			02/27/20 13:27	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/27/20 13:27	1
Acrolein	ND		100	17	ug/L			02/27/20 13:27	1
Acrylonitrile	ND		50	1.9	ug/L			02/27/20 13:27	1
Benzene	ND		5.0	0.60	ug/L			02/27/20 13:27	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/27/20 13:27	1
Bromoform	ND		5.0	0.47	ug/L			02/27/20 13:27	1
Bromomethane	ND		5.0	1.2	ug/L			02/27/20 13:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/27/20 13:27	1
Chlorobenzene	4.8	J	5.0	0.48	ug/L			02/27/20 13:27	1
Chloroethane	ND		5.0	0.87	ug/L			02/27/20 13:27	1
Chloroform	ND		5.0	0.54	ug/L			02/27/20 13:27	1
Chloromethane	ND		5.0	0.64	ug/L			02/27/20 13:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/27/20 13:27	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/27/20 13:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/27/20 13:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/27/20 13:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/27/20 13:27	1
Toluene	ND		5.0	0.45	ug/L			02/27/20 13:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/27/20 13:27	1
Trichloroethene	ND		5.0	0.60	ug/L			02/27/20 13:27	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/27/20 13:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/27/20 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		68 - 130		02/27/20 13:27	1
4-Bromofluorobenzene (Surr)	98		76 - 123		02/27/20 13:27	1
Dibromofluoromethane (Surr)	106		75 - 123		02/27/20 13:27	1
Toluene-d8 (Surr)	94		77 - 120		02/27/20 13:27	1



## Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (68-130)	BFB (76-123)	DBFM (75-123)	TOL (77-120)
480-166751-1 - DL	BCC BSA SUMP_0220	101	98	99	94
480-166751-1	BCC BSA SUMP_0220	101	99	100	94
480-166751-2	TRIP BLANK	105	98	106	94
LCS 480-519201/5	Lab Control Sample	101	101	104	95
MB 480-519201/7	Method Blank	97	100	100	96

#### Surrogate Legend

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

### Method: 625.1 - Semivolatle Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	TPHd14 (22-125)	PHL (8-424)
480-166751-1	BCC BSA SUMP_0220	87	92	45	75	100	31
LCS 480-519215/2-A	Lab Control Sample	93	91	47	81	107	33
LCSD 480-519215/3-A	Lab Control Sample Dup	93	95	46	82	105	35
MB 480-519215/1-A	Method Blank	61	100	43	85	110	31

#### Surrogate Legend

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

### Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (36-121)	TCX1 (42-135)
480-166751-1	BCC BSA SUMP_0220	62	72
LCS 480-519474/2-A	Lab Control Sample	61	79
LCSD 480-519474/3-A	Lab Control Sample Dup	66	75
MB 480-519474/1-A	Method Blank	57	76

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-519201/7

Matrix: Water

Analysis Batch: 519201

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		5.0	0.39	ug/L			02/27/20 11:58	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/27/20 11:58	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/27/20 11:58	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/27/20 11:58	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/27/20 11:58	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			02/27/20 11:58	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/27/20 11:58	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/27/20 11:58	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/27/20 11:58	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			02/27/20 11:58	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			02/27/20 11:58	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/27/20 11:58	1
Acrolein	ND		100	17	ug/L			02/27/20 11:58	1
Acrylonitrile	ND		50	1.9	ug/L			02/27/20 11:58	1
Benzene	ND		5.0	0.60	ug/L			02/27/20 11:58	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/27/20 11:58	1
Bromoform	ND		5.0	0.47	ug/L			02/27/20 11:58	1
Bromomethane	ND		5.0	1.2	ug/L			02/27/20 11:58	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/27/20 11:58	1
Chlorobenzene	ND		5.0	0.48	ug/L			02/27/20 11:58	1
Chloroethane	ND		5.0	0.87	ug/L			02/27/20 11:58	1
Chloroform	ND		5.0	0.54	ug/L			02/27/20 11:58	1
Chloromethane	ND		5.0	0.64	ug/L			02/27/20 11:58	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/27/20 11:58	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/27/20 11:58	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/27/20 11:58	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/27/20 11:58	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/27/20 11:58	1
Toluene	ND		5.0	0.45	ug/L			02/27/20 11:58	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/27/20 11:58	1
Trichloroethene	ND		5.0	0.60	ug/L			02/27/20 11:58	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/27/20 11:58	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/27/20 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 130		02/27/20 11:58	1
4-Bromofluorobenzene (Surr)	100		76 - 123		02/27/20 11:58	1
Dibromofluoromethane (Surr)	100		75 - 123		02/27/20 11:58	1
Toluene-d8 (Surr)	96		77 - 120		02/27/20 11:58	1

Lab Sample ID: LCS 480-519201/5

Matrix: Water

Analysis Batch: 519201

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	20.0	20.1		ug/L		100	52 - 162
1,1,1,2-Tetrachloroethane	20.0	19.2		ug/L		96	46 - 157
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	52 - 150

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-519201/5

Matrix: Water

Analysis Batch: 519201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	19.9		ug/L		100	59 - 155
1,1-Dichloroethene	20.0	20.0		ug/L		100	1 - 234
1,2-Dichlorobenzene	20.0	18.2		ug/L		91	18 - 190
1,2-Dichloroethane	20.0	19.8		ug/L		99	49 - 155
1,2-Dichloropropane	20.0	19.8		ug/L		99	1 - 210
1,3-Dichlorobenzene	20.0	18.0		ug/L		90	59 - 156
1,4-Dichlorobenzene	20.0	18.1		ug/L		91	18 - 190
2-Chloroethyl vinyl ether	20.0	20.6	J	ug/L		103	1 - 305
Benzene	20.0	19.5		ug/L		97	37 - 151
Bromodichloromethane	20.0	19.6		ug/L		98	35 - 155
Bromoform	20.0	18.7		ug/L		94	45 - 169
Bromomethane	20.0	19.9		ug/L		99	1 - 242
Carbon tetrachloride	20.0	20.6		ug/L		103	70 - 140
Chlorobenzene	20.0	18.4		ug/L		92	37 - 160
Chloroethane	20.0	19.5		ug/L		97	14 - 230
Chloroform	20.0	19.7		ug/L		98	51 - 138
Chloromethane	20.0	18.4		ug/L		92	1 - 273
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	1 - 227
Dibromochloromethane	20.0	18.6		ug/L		93	53 - 149
Ethylbenzene	20.0	18.7		ug/L		93	37 - 162
Methylene Chloride	20.0	19.4		ug/L		97	1 - 221
Tetrachloroethene	20.0	18.1		ug/L		91	64 - 148
Toluene	20.0	18.0		ug/L		90	47 - 150
trans-1,3-Dichloropropene	20.0	18.5		ug/L		93	17 - 183
Trichloroethene	20.0	19.4		ug/L		97	71 - 157
Trichlorofluoromethane	20.0	19.1		ug/L		95	17 - 181
Vinyl chloride	20.0	17.9		ug/L		89	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		68 - 130
4-Bromofluorobenzene (Surr)	101		76 - 123
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	95		77 - 120

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-519215/1-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		02/27/20 08:48	03/02/20 22:29	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		02/27/20 08:48	03/02/20 22:29	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		02/27/20 08:48	03/02/20 22:29	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		02/27/20 08:48	03/02/20 22:29	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-166751-1

Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-519215/1-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		02/27/20 08:48	03/02/20 22:29	1
2-Chlorophenol	ND		5.0	0.66	ug/L		02/27/20 08:48	03/02/20 22:29	1
2-Nitrophenol	ND		5.0	0.70	ug/L		02/27/20 08:48	03/02/20 22:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		02/27/20 08:48	03/02/20 22:29	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		02/27/20 08:48	03/02/20 22:29	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		02/27/20 08:48	03/02/20 22:29	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		02/27/20 08:48	03/02/20 22:29	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		02/27/20 08:48	03/02/20 22:29	1
4-Nitrophenol	ND		10	10	ug/L		02/27/20 08:48	03/02/20 22:29	1
Acenaphthene	ND		5.0	0.81	ug/L		02/27/20 08:48	03/02/20 22:29	1
Acenaphthylene	ND		5.0	0.87	ug/L		02/27/20 08:48	03/02/20 22:29	1
Aniline	ND		10	1.5	ug/L		02/27/20 08:48	03/02/20 22:29	1
Anthracene	ND		5.0	1.4	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzidine	ND		80	35	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		02/27/20 08:48	03/02/20 22:29	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		02/27/20 08:48	03/02/20 22:29	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		02/27/20 08:48	03/02/20 22:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		02/27/20 08:48	03/02/20 22:29	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		02/27/20 08:48	03/02/20 22:29	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		02/27/20 08:48	03/02/20 22:29	1
Chrysene	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Decane	ND		10	1.6	ug/L		02/27/20 08:48	03/02/20 22:29	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		02/27/20 08:48	03/02/20 22:29	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		02/27/20 08:48	03/02/20 22:29	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		02/27/20 08:48	03/02/20 22:29	1
Diethyl phthalate	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		02/27/20 08:48	03/02/20 22:29	1
Fluoranthene	ND		5.0	1.6	ug/L		02/27/20 08:48	03/02/20 22:29	1
Fluorene	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
Hexachloroethane	ND		5.0	0.60	ug/L		02/27/20 08:48	03/02/20 22:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		02/27/20 08:48	03/02/20 22:29	1
Isophorone	ND		5.0	0.74	ug/L		02/27/20 08:48	03/02/20 22:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		02/27/20 08:48	03/02/20 22:29	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		02/27/20 08:48	03/02/20 22:29	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		02/27/20 08:48	03/02/20 22:29	1
Naphthalene	ND		5.0	0.86	ug/L		02/27/20 08:48	03/02/20 22:29	1
Nitrobenzene	ND		5.0	0.81	ug/L		02/27/20 08:48	03/02/20 22:29	1
Pentachlorophenol	ND		10	1.6	ug/L		02/27/20 08:48	03/02/20 22:29	1
Phenanthrene	ND		5.0	1.2	ug/L		02/27/20 08:48	03/02/20 22:29	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-519215/1-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.35	ug/L		02/27/20 08:48	03/02/20 22:29	1
Pyrene	ND		5.0	1.4	ug/L		02/27/20 08:48	03/02/20 22:29	1
n-Octadecane	ND		10	1.2	ug/L		02/27/20 08:48	03/02/20 22:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		52 - 151	02/27/20 08:48	03/02/20 22:29	1
2-Fluorobiphenyl	100		44 - 120	02/27/20 08:48	03/02/20 22:29	1
2-Fluorophenol	43		17 - 120	02/27/20 08:48	03/02/20 22:29	1
Nitrobenzene-d5	85		15 - 314	02/27/20 08:48	03/02/20 22:29	1
p-Terphenyl-d14	110		22 - 125	02/27/20 08:48	03/02/20 22:29	1
Phenol-d5	31		8 - 424	02/27/20 08:48	03/02/20 22:29	1

Lab Sample ID: LCS 480-519215/2-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	39.2		ug/L		78	44 - 142
1,2-Dichlorobenzene	50.0	36.0		ug/L		72	32 - 129
1,3-Dichlorobenzene	50.0	34.6		ug/L		69	1 - 172
1,4-Dichlorobenzene	50.0	34.4		ug/L		69	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	32.2		ug/L		64	36 - 166
2,4,6-Trichlorophenol	50.0	43.6		ug/L		87	37 - 144
2,4-Dichlorophenol	50.0	43.6		ug/L		87	39 - 135
2,4-Dimethylphenol	50.0	40.9		ug/L		82	32 - 120
2,4-Dinitrophenol	100	89.1		ug/L		89	1 - 191
2,4-Dinitrotoluene	50.0	45.9		ug/L		92	39 - 139
2,6-Dinitrotoluene	50.0	44.9		ug/L		90	50 - 158
2-Chloronaphthalene	50.0	42.9		ug/L		86	60 - 120
2-Chlorophenol	50.0	37.3		ug/L		75	23 - 134
2-Nitrophenol	50.0	42.4		ug/L		85	29 - 182
3,3'-Dichlorobenzidine	100	95.9		ug/L		96	1 - 262
4,6-Dinitro-2-methylphenol	100	95.6		ug/L		96	1 - 181
4-Bromophenyl phenyl ether	50.0	49.0		ug/L		98	53 - 127
4-Chloro-3-methylphenol	50.0	43.2		ug/L		86	22 - 147
4-Chlorophenyl phenyl ether	50.0	45.1		ug/L		90	25 - 158
4-Nitrophenol	100	46.7		ug/L		47	1 - 132
Acenaphthene	50.0	45.8		ug/L		92	47 - 145
Acenaphthylene	50.0	47.2		ug/L		94	33 - 145
Aniline	50.0	32.4		ug/L		65	40 - 120
Anthracene	50.0	50.5		ug/L		101	27 - 133
Benzo[a]anthracene	50.0	51.8		ug/L		104	33 - 143
Benzo[a]pyrene	50.0	50.1		ug/L		100	17 - 163
Benzo[b]fluoranthene	50.0	49.2		ug/L		98	24 - 159
Benzo[g,h,i]perylene	50.0	49.0		ug/L		98	1 - 219
Benzo[k]fluoranthene	50.0	52.0		ug/L		104	11 - 162
Bis(2-chloroethoxy)methane	50.0	41.5		ug/L		83	33 - 184
Bis(2-chloroethyl)ether	50.0	38.6		ug/L		77	12 - 158

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-519215/2-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	50.0	49.2		ug/L		98	8 - 158
Butyl benzyl phthalate	50.0	50.8		ug/L		102	1 - 152
Chrysene	50.0	51.0		ug/L		102	17 - 168
Di-n-butyl phthalate	50.0	48.4		ug/L		97	1 - 120
Di-n-octyl phthalate	50.0	50.7		ug/L		101	4 - 146
Dibenz(a,h)anthracene	50.0	50.5		ug/L		101	1 - 227
Diethyl phthalate	50.0	45.1		ug/L		90	1 - 120
Dimethyl phthalate	50.0	45.0		ug/L		90	1 - 120
Fluoranthene	50.0	49.4		ug/L		99	26 - 137
Fluorene	50.0	45.6		ug/L		91	59 - 121
Hexachlorobenzene	50.0	47.5		ug/L		95	1 - 152
Hexachlorocyclopentadiene	50.0	32.6		ug/L		65	5 - 120
Hexachloroethane	50.0	29.3		ug/L		59	40 - 120
Indeno[1,2,3-cd]pyrene	50.0	47.7		ug/L		95	1 - 171
Isophorone	50.0	42.9		ug/L		86	21 - 196
N-Nitrosodi-n-propylamine	50.0	38.8		ug/L		78	1 - 230
N-Nitrosodiphenylamine	50.0	49.5		ug/L		99	54 - 125
Naphthalene	50.0	40.9		ug/L		82	21 - 133
Nitrobenzene	50.0	40.7		ug/L		81	35 - 180
Pentachlorophenol	100	89.5		ug/L		90	14 - 176
Phenanthrene	50.0	49.3		ug/L		99	54 - 120
Phenol	50.0	16.9		ug/L		34	5 - 120
Pyrene	50.0	51.3		ug/L		103	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	93		52 - 151
2-Fluorobiphenyl	91		44 - 120
2-Fluorophenol	47		17 - 120
Nitrobenzene-d5	81		15 - 314
p-Terphenyl-d14	107		22 - 125
Phenol-d5	33		8 - 424

Lab Sample ID: LCSD 480-519215/3-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	40.2		ug/L		80	44 - 142	2	34
1,2-Dichlorobenzene	50.0	36.4		ug/L		73	32 - 129	1	38
1,3-Dichlorobenzene	50.0	35.7		ug/L		71	1 - 172	3	37
1,4-Dichlorobenzene	50.0	35.2		ug/L		70	20 - 124	2	40
2,2'-oxybis[1-chloropropane]	50.0	33.8		ug/L		68	36 - 166	5	36
2,4,6-Trichlorophenol	50.0	45.5		ug/L		91	37 - 144	4	20
2,4-Dichlorophenol	50.0	47.2		ug/L		94	39 - 135	8	23
2,4-Dimethylphenol	50.0	41.9		ug/L		84	32 - 120	3	18
2,4-Dinitrophenol	100	102		ug/L		102	1 - 191	14	29
2,4-Dinitrotoluene	50.0	48.8		ug/L		98	39 - 139	6	20
2,6-Dinitrotoluene	50.0	48.4		ug/L		97	50 - 158	7	17

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-519215/3-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloronaphthalene	50.0	44.4		ug/L		89	60 - 120	4	30
2-Chlorophenol	50.0	39.8		ug/L		80	23 - 134	6	26
2-Nitrophenol	50.0	44.5		ug/L		89	29 - 182	5	28
3,3'-Dichlorobenzidine	100	98.5		ug/L		99	1 - 262	3	31
4,6-Dinitro-2-methylphenol	100	93.4		ug/L		93	1 - 181	2	30
4-Bromophenyl phenyl ether	50.0	49.2		ug/L		98	53 - 127	1	16
4-Chloro-3-methylphenol	50.0	44.8		ug/L		90	22 - 147	4	16
4-Chlorophenyl phenyl ether	50.0	47.9		ug/L		96	25 - 158	6	15
4-Nitrophenol	100	49.0		ug/L		49	1 - 132	5	24
Acenaphthene	50.0	48.9		ug/L		98	47 - 145	7	25
Acenaphthylene	50.0	50.9		ug/L		102	33 - 145	8	22
Aniline	50.0	34.1		ug/L		68	40 - 120	5	30
Anthracene	50.0	52.4		ug/L		105	27 - 133	4	15
Benzo[a]anthracene	50.0	52.3		ug/L		105	33 - 143	1	15
Benzo[a]pyrene	50.0	51.4		ug/L		103	17 - 163	2	15
Benzo[b]fluoranthene	50.0	53.2		ug/L		106	24 - 159	8	17
Benzo[g,h,i]perylene	50.0	49.7		ug/L		99	1 - 219	1	19
Benzo[k]fluoranthene	50.0	50.1		ug/L		100	11 - 162	4	19
Bis(2-chloroethoxy)methane	50.0	43.4		ug/L		87	33 - 184	4	23
Bis(2-chloroethyl)ether	50.0	40.6		ug/L		81	12 - 158	5	33
Bis(2-ethylhexyl) phthalate	50.0	49.9		ug/L		100	8 - 158	2	15
Butyl benzyl phthalate	50.0	49.9		ug/L		100	1 - 152	2	15
Chrysene	50.0	51.2		ug/L		102	17 - 168	1	15
Di-n-butyl phthalate	50.0	49.0		ug/L		98	1 - 120	1	15
Di-n-octyl phthalate	50.0	50.5		ug/L		101	4 - 146	0	15
Dibenz(a,h)anthracene	50.0	51.0		ug/L		102	1 - 227	1	18
Diethyl phthalate	50.0	47.3		ug/L		95	1 - 120	5	15
Dimethyl phthalate	50.0	47.4		ug/L		95	1 - 120	5	15
Fluoranthene	50.0	49.4		ug/L		99	26 - 137	0	15
Fluorene	50.0	48.8		ug/L		98	59 - 121	7	18
Hexachlorobenzene	50.0	46.9		ug/L		94	1 - 152	1	15
Hexachlorocyclopentadiene	50.0	35.9		ug/L		72	5 - 120	9	50
Hexachloroethane	50.0	30.5		ug/L		61	40 - 120	4	43
Indeno[1,2,3-cd]pyrene	50.0	48.5		ug/L		97	1 - 171	2	17
Isophorone	50.0	44.0		ug/L		88	21 - 196	3	21
N-Nitrosodi-n-propylamine	50.0	40.7		ug/L		81	1 - 230	5	23
N-Nitrosodiphenylamine	50.0	50.2		ug/L		100	54 - 125	1	15
Naphthalene	50.0	43.6		ug/L		87	21 - 133	6	31
Nitrobenzene	50.0	41.9		ug/L		84	35 - 180	3	27
Pentachlorophenol	100	90.9		ug/L		91	14 - 176	1	21
Phenanthrene	50.0	49.9		ug/L		100	54 - 120	1	16
Phenol	50.0	17.8		ug/L		36	5 - 120	6	36
Pyrene	50.0	52.4		ug/L		105	52 - 120	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	93		52 - 151
2-Fluorobiphenyl	95		44 - 120
2-Fluorophenol	46		17 - 120

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-519215/3-A

Matrix: Water

Analysis Batch: 519661

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519215

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	82		15 - 314
p-Terphenyl-d14	105		22 - 125
Phenol-d5	35		8 - 424

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-519474/1-A

Matrix: Water

Analysis Batch: 519551

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519474

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1221	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1232	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1242	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1248	ND		0.060	0.038	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1254	ND		0.060	0.031	ug/L		02/28/20 15:21	03/02/20 03:48	1
PCB-1260	ND		0.060	0.031	ug/L		02/28/20 15:21	03/02/20 03:48	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	57		36 - 121	02/28/20 15:21	03/02/20 03:48	1
Tetrachloro-m-xylene	76		42 - 135	02/28/20 15:21	03/02/20 03:48	1

Lab Sample ID: LCS 480-519474/2-A

Matrix: Water

Analysis Batch: 519551

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519474

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
PCB-1016	1.00	1.10		ug/L		110	69 - 123
PCB-1260	1.00	0.939		ug/L		94	69 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	61		36 - 121
Tetrachloro-m-xylene	79		42 - 135

Lab Sample ID: LCSD 480-519474/3-A

Matrix: Water

Analysis Batch: 519551

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519474

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
PCB-1016	1.00	1.13		ug/L		113	69 - 123	3	30
PCB-1260	1.00	0.955		ug/L		96	69 - 120	2	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	66		36 - 121
Tetrachloro-m-xylene	75		42 - 135

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## QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-519174/1-A

Matrix: Water

Analysis Batch: 519403

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		02/27/20 09:18	02/27/20 14:29	1
Copper	ND		0.010	0.0016	mg/L		02/27/20 09:18	02/27/20 14:29	1
Lead	ND		0.010	0.0030	mg/L		02/27/20 09:18	02/27/20 14:29	1
Nickel	ND		0.010	0.0013	mg/L		02/27/20 09:18	02/27/20 14:29	1
Zinc	ND		0.010	0.0015	mg/L		02/27/20 09:18	02/27/20 14:29	1

Lab Sample ID: LCS 480-519174/2-A

Matrix: Water

Analysis Batch: 519403

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.198		mg/L		99	85 - 115
Copper	0.200	0.203		mg/L		101	85 - 115
Lead	0.200	0.190		mg/L		95	85 - 115
Nickel	0.200	0.189		mg/L		95	85 - 115
Zinc	0.200	0.197		mg/L		98	85 - 115

### Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-519839/1-A

Matrix: Water

Analysis Batch: 519904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/03/20 12:45	03/03/20 15:41	1

Lab Sample ID: LCS 480-519839/2-A

Matrix: Water

Analysis Batch: 519904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00700		mg/L		105	85 - 115

### Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-519491/1-A

Matrix: Water

Analysis Batch: 519502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		02/28/20 19:22	02/28/20 22:02	1

Lab Sample ID: LCS 480-519491/2-A

Matrix: Water

Analysis Batch: 519502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0949		mg/L		95	90 - 110

Eurofins TestAmerica, Buffalo

## QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Method: 420.1 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 480-166751-1 MS

Matrix: Water

Analysis Batch: 519502

Client Sample ID: BCC BSA SUMP\_0220

Prep Type: Total/NA

Prep Batch: 519491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.022	F1	0.100	0.0903	F1	mg/L		68	90 - 110

### Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-519349/1

Matrix: Water

Analysis Batch: 519349

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/27/20 18:04	1

Lab Sample ID: LCS 480-519349/2

Matrix: Water

Analysis Batch: 519349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	256	250.8		mg/L		98	88 - 110

### Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-519826/23

Matrix: Water

Analysis Batch: 519826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

### Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-519406/75

Matrix: Water

Analysis Batch: 519406

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			02/27/20 14:40	1

Lab Sample ID: LCS 480-519406/76

Matrix: Water

Analysis Batch: 519406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.211		mg/L as P		106	90 - 110

### Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-519485/1

Matrix: Water

Analysis Batch: 519485

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			02/28/20 10:30	1

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## QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Method: SM 5210B - BOD, 5-Day

Lab Sample ID: LCS 480-519485/2

Matrix: Water

Analysis Batch: 519485

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	148.3	*	mg/L		75	85 - 115

Lab Sample ID: 480-166751-1 DU

Matrix: Water

Analysis Batch: 519485

Client Sample ID: BCC BSA SUMP\_0220

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2.1	*	ND	*	mg/L		NC	20

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## GC/MS VOA

### Analysis Batch: 519201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	624.1	
480-166751-1 - DL	BCC BSA SUMP_0220	Total/NA	Water	624.1	
480-166751-2	TRIP BLANK	Total/NA	Water	624.1	
MB 480-519201/7	Method Blank	Total/NA	Water	624.1	
LCS 480-519201/5	Lab Control Sample	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 519215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	625	
MB 480-519215/1-A	Method Blank	Total/NA	Water	625	
LCS 480-519215/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-519215/3-A	Lab Control Sample Dup	Total/NA	Water	625	

### Analysis Batch: 519661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	625.1	519215
MB 480-519215/1-A	Method Blank	Total/NA	Water	625.1	519215
LCS 480-519215/2-A	Lab Control Sample	Total/NA	Water	625.1	519215
LCSD 480-519215/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	519215

## GC Semi VOA

### Prep Batch: 519474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	3510C	
MB 480-519474/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-519474/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-519474/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 519551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	608.3	519474
MB 480-519474/1-A	Method Blank	Total/NA	Water	608.3	519474
LCS 480-519474/2-A	Lab Control Sample	Total/NA	Water	608.3	519474
LCSD 480-519474/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	519474

## Metals

### Prep Batch: 519174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	200.7	
MB 480-519174/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-519174/2-A	Lab Control Sample	Total/NA	Water	200.7	

### Analysis Batch: 519403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	200.7 Rev 4.4	519174
MB 480-519174/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	519174
LCS 480-519174/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	519174

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# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

## Metals

### Prep Batch: 519839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	245.1	
MB 480-519839/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-519839/2-A	Lab Control Sample	Total/NA	Water	245.1	

### Analysis Batch: 519904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	245.1	519839
MB 480-519839/1-A	Method Blank	Total/NA	Water	245.1	519839
LCS 480-519839/2-A	Lab Control Sample	Total/NA	Water	245.1	519839

## General Chemistry

### Analysis Batch: 519349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	SM 2540D	
MB 480-519349/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-519349/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 519406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	SM 4500 P E	
MB 480-519406/75	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-519406/76	Lab Control Sample	Total/NA	Water	SM 4500 P E	

### Analysis Batch: 519485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	SM 5210B	
USB 480-519485/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-519485/2	Lab Control Sample	Total/NA	Water	SM 5210B	
480-166751-1 DU	BCC BSA SUMP_0220	Total/NA	Water	SM 5210B	

### Prep Batch: 519491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	Distill/Phenol	
MB 480-519491/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-519491/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
480-166751-1 MS	BCC BSA SUMP_0220	Total/NA	Water	Distill/Phenol	

### Analysis Batch: 519502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	420.1	519491
MB 480-519491/1-A	Method Blank	Total/NA	Water	420.1	519491
LCS 480-519491/2-A	Lab Control Sample	Total/NA	Water	420.1	519491
480-166751-1 MS	BCC BSA SUMP_0220	Total/NA	Water	420.1	519491

### Analysis Batch: 519536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	SM 4500 CN G	

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## QC Association Summary

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-166751-1

Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

### General Chemistry

#### Analysis Batch: 519826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166751-1	BCC BSA SUMP_0220	Total/NA	Water	SM 4500 H+ B	
LCS 480-519826/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

## Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

**Client Sample ID: BCC BSA SUMP\_0220**

**Lab Sample ID: 480-166751-1**

**Date Collected: 02/26/20 12:30**

**Matrix: Water**

**Date Received: 02/26/20 15:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	519201	02/27/20 13:04	WJD	TAL BUF
Total/NA	Analysis	624.1	DL	10	519201	02/27/20 15:03	WJD	TAL BUF
Total/NA	Prep	625			519215	02/27/20 08:48	JMP	TAL BUF
Total/NA	Analysis	625.1		1	519661	03/03/20 04:38	JMM	TAL BUF
Total/NA	Prep	3510C			519474	02/28/20 15:21	ATG	TAL BUF
Total/NA	Analysis	608.3		1	519551	03/02/20 05:05	DSC	TAL BUF
Total/NA	Prep	200.7			519174	02/27/20 09:18	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	519403	02/27/20 16:20	AMH	TAL BUF
Total/NA	Prep	245.1			519839	03/03/20 12:45	BMB	TAL BUF
Total/NA	Analysis	245.1		1	519904	03/03/20 15:46	BMB	TAL BUF
Total/NA	Prep	Distill/Phenol			519491	02/28/20 19:22	T1S	TAL BUF
Total/NA	Analysis	420.1		1	519502	02/28/20 21:58	SRW	TAL BUF
Total/NA	Analysis	SM 2540D		1	519349	02/27/20 18:04	T1S	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	519536	02/27/20 01:56	JJP	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	519826	03/02/20 17:12	KEB	TAL BUF
Total/NA	Analysis	SM 4500 P E		2	519406	02/27/20 14:40	SRA	TAL BUF
Total/NA	Analysis	SM 5210B		1	519485	02/28/20 10:30	SRA	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-166751-2**

**Date Collected: 02/26/20 00:00**

**Matrix: Water**

**Date Received: 02/26/20 15:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	519201	02/27/20 13:27	WJD	TAL BUF

### Laboratory References:

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

## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Job ID: 480-166751-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature



## Method Summary

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-166751-1

Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.1	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF
Distill/Phenol	Distillation, Phenolics	None	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-166751-1

Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-166751-1	BCC BSA SUMP_0220	Water	02/26/20 12:30	02/26/20 15:15	
480-166751-2	TRIP BLANK	Water	02/26/20 00:00	02/26/20 15:15	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-166751-1

Project/Site: 37745-Buffalo Color- Quarterly GWTF SUMP

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

<b>Project Manager:</b> John Schove <b>Tel/Fax:</b> 716-912-9926		<b>Site Contact:</b> Tom Wagner <b>Lab Contact:</b> John Schove		<b>Date:</b> 2-26-2020 <b>of</b> 1 <b>COCs</b>		<b>COC No.:</b> 28850-0220	
<b>Client Contact</b> Specialty Contracting Inc Inson Street NY 14203		<b>Analysis Turnaround Time</b> Calendar (C) or Work Days (W) <input checked="" type="checkbox"/> TAT if different from Below <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		<b>Job No.:</b> 16011		<b>SDG No.:</b>	
<b>Phone</b> 56-3333 <b>FAX</b> 42-1785 <b>Name:</b> Buffalo Color GWTF Sump Honeywell Buffalo Color - NYC915230		<b>Sample Identification</b> BCC_BSA_Sump_0220 Trip Blank		<b>Barcode:</b>		<b>Sample Specific Notes:</b> DC-1: 90% DC-2: 10%	
<b>Container Volume (mL)</b>		<b>Filtered Sample</b>		<b>4500_P_E - Phosphorus</b>		<b>608 PCB - Priority Pollutant PCBs</b>	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> C		<b>Matrix</b> W	
<b>Sample # of Cont.</b> 19		<b>Sample Cont.</b> 2		<b>Sample Matrix</b> W		<b>Sample Cont.</b> 2	
<b>Sample Date</b> 2/26/20		<b>Sample Time</b> 1230		<b>Sample Type</b> <			

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## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-166751-1

**Login Number: 166751**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Stopa, Erik S**

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

## ANALYTICAL REPORT

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

Laboratory Job ID: 480-167185-1

Client Project/Site: Buffalo Colo GWTF SUMP  
Sampling Event: Buffalo Color - Quarterly Sump

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:

3/17/2020 4:24:46 PM

Alexander Gilbert, Project Management Assistant I  
[alexander.gilbert@testamericainc.com](mailto:alexander.gilbert@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

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

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

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## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

### 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
*	RPD of the LCS and LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

#### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)



# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Job ID: 480-167185-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-167185-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/9/2020 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

#### GC/MS VOA

Method 624.1: The following Volatile sample was composited by the laboratory on 03-10-2020: BCC BSA SUMP\_0320 (480-167185-3). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

Method 624.1: The following volatile sample was composited with significant headspace in the sample containers: BCC BSA SUMP\_0320 (480-167185-3). Significant headspace is defined as a bubble greater than 6 mm in diameter.

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

#### GC/MS Semi VOA

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-520814 and analytical batch 480-520946 recovered outside control limits for the following analytes: Benzidine.

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

#### GC Semi VOA

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

#### Metals

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

#### General Chemistry

Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC BSA SUMP\_0320 (480-167185-3).

Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC BSA SUMP\_0320 (480-167185-3).

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

#### Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-520921.

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 Colo GWTF SUMP

Job ID: 480-167185-1

**Client Sample ID: BCC BSA SUMP\_0320**

**Lab Sample ID: 480-167185-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	1.3	J	5.0	0.54	ug/L	1		624.1	Total/NA
1,4-Dichlorobenzene	1.7	J	5.0	0.51	ug/L	1		624.1	Total/NA
Benzene	1.3	J	5.0	0.60	ug/L	1		624.1	Total/NA
1,3-Dichlorobenzene	1.4	J	10	0.69	ug/L	1		625.1	Total/NA
2-Chlorophenol	0.86	J	5.0	0.66	ug/L	1		625.1	Total/NA
Aniline	4.1	J	10	1.5	ug/L	1		625.1	Total/NA
Di-n-butyl phthalate	12		5.0	1.6	ug/L	1		625.1	Total/NA
Chromium	0.0022	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0022	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0089	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.015	B F1	0.010	0.0050	mg/L	1		420.1	Total/NA
Total Suspended Solids	13.6		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Cyanide, Amenable	0.021		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
pH	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	19.7	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA
Phosphorus	3.4	B	0.10	0.050	mg/L as P	10		SM 4500 P E	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-167185-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.5	J	5.0	0.48	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167185-3

Date Collected: 03/09/20 14:00

Matrix: Water

Date Received: 03/09/20 16:10

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/10/20 15:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/10/20 15:36	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/10/20 15:36	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/10/20 15:36	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/10/20 15:36	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/10/20 15:36	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/10/20 15:36	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/10/20 15:36	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/10/20 15:36	1
1,3-Dichlorobenzene	1.3	J	5.0	0.54	ug/L			03/10/20 15:36	1
1,4-Dichlorobenzene	1.7	J	5.0	0.51	ug/L			03/10/20 15:36	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/10/20 15:36	1
Acrolein	ND		100	17	ug/L			03/10/20 15:36	1
Acrylonitrile	ND		50	1.9	ug/L			03/10/20 15:36	1
Benzene	1.3	J	5.0	0.60	ug/L			03/10/20 15:36	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/10/20 15:36	1
Bromoform	ND		5.0	0.47	ug/L			03/10/20 15:36	1
Bromomethane	ND		5.0	1.2	ug/L			03/10/20 15:36	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/10/20 15:36	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/10/20 15:36	1
Chloroethane	ND		5.0	0.87	ug/L			03/10/20 15:36	1
Chloroform	ND		5.0	0.54	ug/L			03/10/20 15:36	1
Chloromethane	ND		5.0	0.64	ug/L			03/10/20 15:36	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/10/20 15:36	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/10/20 15:36	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/10/20 15:36	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/10/20 15:36	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/10/20 15:36	1
Toluene	ND		5.0	0.45	ug/L			03/10/20 15:36	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/10/20 15:36	1
Trichloroethene	ND		5.0	0.60	ug/L			03/10/20 15:36	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/10/20 15:36	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/10/20 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		03/10/20 15:36	1
4-Bromofluorobenzene (Surr)	100		76 - 123		03/10/20 15:36	1
Dibromofluoromethane (Surr)	102		75 - 123		03/10/20 15:36	1
Toluene-d8 (Surr)	93		77 - 120		03/10/20 15:36	1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		03/10/20 15:06	03/11/20 12:40	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		03/10/20 15:06	03/11/20 12:40	1
1,3-Dichlorobenzene	1.4	J	10	0.69	ug/L		03/10/20 15:06	03/11/20 12:40	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		03/10/20 15:06	03/11/20 12:40	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167185-3

Date Collected: 03/09/20 14:00

Matrix: Water

Date Received: 03/09/20 16:10

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		03/10/20 15:06	03/11/20 12:40	1
2-Chlorophenol	0.86	J	5.0	0.66	ug/L		03/10/20 15:06	03/11/20 12:40	1
2-Nitrophenol	ND		5.0	0.70	ug/L		03/10/20 15:06	03/11/20 12:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		03/10/20 15:06	03/11/20 12:40	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		03/10/20 15:06	03/11/20 12:40	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 12:40	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 12:40	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 12:40	1
4-Nitrophenol	ND		10	10	ug/L		03/10/20 15:06	03/11/20 12:40	1
Acenaphthene	ND		5.0	0.81	ug/L		03/10/20 15:06	03/11/20 12:40	1
Acenaphthylene	ND		5.0	0.87	ug/L		03/10/20 15:06	03/11/20 12:40	1
Aniline	4.1	J	10	1.5	ug/L		03/10/20 15:06	03/11/20 12:40	1
Anthracene	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzidine	ND	*	80	35	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 12:40	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 12:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		03/10/20 15:06	03/11/20 12:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		03/10/20 15:06	03/11/20 12:40	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		03/10/20 15:06	03/11/20 12:40	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 12:40	1
Chrysene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Decane	ND		10	1.6	ug/L		03/10/20 15:06	03/11/20 12:40	1
Di-n-butyl phthalate	12		5.0	1.6	ug/L		03/10/20 15:06	03/11/20 12:40	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 12:40	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 12:40	1
Diethyl phthalate	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		03/10/20 15:06	03/11/20 12:40	1
Fluoranthene	ND		5.0	1.6	ug/L		03/10/20 15:06	03/11/20 12:40	1
Fluorene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
Hexachloroethane	ND		5.0	0.60	ug/L		03/10/20 15:06	03/11/20 12:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 12:40	1
Isophorone	ND		5.0	0.74	ug/L		03/10/20 15:06	03/11/20 12:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		03/10/20 15:06	03/11/20 12:40	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 12:40	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		03/10/20 15:06	03/11/20 12:40	1
Naphthalene	ND		5.0	0.86	ug/L		03/10/20 15:06	03/11/20 12:40	1
Nitrobenzene	ND		5.0	0.81	ug/L		03/10/20 15:06	03/11/20 12:40	1
Pentachlorophenol	ND		10	1.6	ug/L		03/10/20 15:06	03/11/20 12:40	1
Phenanthrene	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 12:40	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167185-3

Date Collected: 03/09/20 14:00

Matrix: Water

Date Received: 03/09/20 16:10

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.35	ug/L		03/10/20 15:06	03/11/20 12:40	1
Pyrene	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 12:40	1
n-Octadecane	ND		10	1.2	ug/L		03/10/20 15:06	03/11/20 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	107		52 - 151				03/10/20 15:06	03/11/20 12:40	1
2-Fluorobiphenyl	97		44 - 120				03/10/20 15:06	03/11/20 12:40	1
2-Fluorophenol	56		17 - 120				03/10/20 15:06	03/11/20 12:40	1
Nitrobenzene-d5	92		15 - 314				03/10/20 15:06	03/11/20 12:40	1
p-Terphenyl-d14	94		22 - 125				03/10/20 15:06	03/11/20 12:40	1
Phenol-d5	36		8 - 424				03/10/20 15:06	03/11/20 12:40	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1221	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1232	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1242	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1248	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1254	ND		0.060	0.031	ug/L		03/11/20 08:55	03/11/20 18:53	1
PCB-1260	ND		0.060	0.031	ug/L		03/11/20 08:55	03/11/20 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	38		36 - 121				03/11/20 08:55	03/11/20 18:53	1
Tetrachloro-m-xylene	68		42 - 135				03/11/20 08:55	03/11/20 18:53	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0022	J	0.0040	0.0010	mg/L		03/10/20 09:03	03/10/20 18:09	1
Copper	0.0022	J	0.010	0.0016	mg/L		03/10/20 09:03	03/10/20 18:09	1
Lead	ND		0.010	0.0030	mg/L		03/10/20 09:03	03/10/20 18:09	1
Nickel	0.0017	J	0.010	0.0013	mg/L		03/10/20 09:03	03/10/20 18:09	1
Zinc	0.0089	J	0.010	0.0015	mg/L		03/10/20 09:03	03/10/20 18:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/10/20 11:30	03/10/20 14:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.015	B F1	0.010	0.0050	mg/L		03/10/20 20:51	03/11/20 11:13	1
Cyanide, Amenable	0.021		0.010	0.0050	mg/L			03/10/20 17:03	1
Phosphorus	3.4	B	0.10	0.050	mg/L as P			03/12/20 12:00	10
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			03/11/20 09:02	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	13.6		4.0	4.0	mg/L			03/10/20 18:09	1
pH	8.5	HF	0.1	0.1	SU			03/11/20 11:29	1
Temperature	19.7	HF	0.001	0.001	Degrees C			03/11/20 11:29	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-167185-4

Date Collected: 03/09/20 00:00

Matrix: Water

Date Received: 03/09/20 16:10

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/09/20 18:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/09/20 18:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/09/20 18:17	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/09/20 18:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/09/20 18:17	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/09/20 18:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/09/20 18:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/09/20 18:17	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/09/20 18:17	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/09/20 18:17	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/09/20 18:17	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/09/20 18:17	1
Acrolein	ND		100	17	ug/L			03/09/20 18:17	1
Acrylonitrile	ND		50	1.9	ug/L			03/09/20 18:17	1
Benzene	ND		5.0	0.60	ug/L			03/09/20 18:17	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/09/20 18:17	1
Bromoform	ND		5.0	0.47	ug/L			03/09/20 18:17	1
Bromomethane	ND		5.0	1.2	ug/L			03/09/20 18:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/09/20 18:17	1
Chlorobenzene	1.5 J		5.0	0.48	ug/L			03/09/20 18:17	1
Chloroethane	ND		5.0	0.87	ug/L			03/09/20 18:17	1
Chloroform	ND		5.0	0.54	ug/L			03/09/20 18:17	1
Chloromethane	ND		5.0	0.64	ug/L			03/09/20 18:17	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/09/20 18:17	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/09/20 18:17	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/09/20 18:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/09/20 18:17	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/09/20 18:17	1
Toluene	ND		5.0	0.45	ug/L			03/09/20 18:17	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/09/20 18:17	1
Trichloroethene	ND		5.0	0.60	ug/L			03/09/20 18:17	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/09/20 18:17	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/09/20 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 130		03/09/20 18:17	1
4-Bromofluorobenzene (Surr)	101		76 - 123		03/09/20 18:17	1
Dibromofluoromethane (Surr)	100		75 - 123		03/09/20 18:17	1
Toluene-d8 (Surr)	94		77 - 120		03/09/20 18:17	1

Eurofins TestAmerica, Buffalo

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (68-130)	BFB (76-123)	DBFM (75-123)	TOL (77-120)
480-167185-3	BCC BSA SUMP_0320	101	100	102	93
480-167185-4	TRIP BLANK	99	101	100	94
LCS 480-520513/6	Lab Control Sample	105	103	104	94
LCS 480-520703/5	Lab Control Sample	97	100	99	93
MB 480-520513/8	Method Blank	101	102	101	97
MB 480-520703/7	Method Blank	97	99	104	92

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	TPHd14 (22-125)	PHL (8-424)
480-167185-3	BCC BSA SUMP_0320	107	97	56	92	94	36
LCS 480-520814/2-A	Lab Control Sample	91	88	46	85	102	32
LCSD 480-520814/3-A	Lab Control Sample Dup	102	96	48	89	107	33
MB 480-520814/1-A	Method Blank	94	93	48	85	106	33

### Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

TPHd14 = p-Terphenyl-d14

PHL = Phenol-d5

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (36-121)	TCX1 (42-135)
480-167185-3	BCC BSA SUMP_0320	38	68
LCS 480-520921/2-A	Lab Control Sample	52	68
LCSD 480-520921/3-A	Lab Control Sample Dup	51	67
MB 480-520921/1-A	Method Blank	51	67

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-520513/8

Matrix: Water

Analysis Batch: 520513

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		5.0	0.39	ug/L			03/09/20 12:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/09/20 12:36	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/09/20 12:36	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/09/20 12:36	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/09/20 12:36	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/09/20 12:36	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/09/20 12:36	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/09/20 12:36	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/09/20 12:36	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/09/20 12:36	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/09/20 12:36	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/09/20 12:36	1
Acrolein	ND		100	17	ug/L			03/09/20 12:36	1
Acrylonitrile	ND		50	1.9	ug/L			03/09/20 12:36	1
Benzene	ND		5.0	0.60	ug/L			03/09/20 12:36	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/09/20 12:36	1
Bromoform	ND		5.0	0.47	ug/L			03/09/20 12:36	1
Bromomethane	ND		5.0	1.2	ug/L			03/09/20 12:36	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/09/20 12:36	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/09/20 12:36	1
Chloroethane	ND		5.0	0.87	ug/L			03/09/20 12:36	1
Chloroform	2.83	J	5.0	0.54	ug/L			03/09/20 12:36	1
Chloromethane	ND		5.0	0.64	ug/L			03/09/20 12:36	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/09/20 12:36	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/09/20 12:36	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/09/20 12:36	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/09/20 12:36	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/09/20 12:36	1
Toluene	ND		5.0	0.45	ug/L			03/09/20 12:36	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/09/20 12:36	1
Trichloroethene	ND		5.0	0.60	ug/L			03/09/20 12:36	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/09/20 12:36	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/09/20 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		03/09/20 12:36	1
4-Bromofluorobenzene (Surr)	102		76 - 123		03/09/20 12:36	1
Dibromofluoromethane (Surr)	101		75 - 123		03/09/20 12:36	1
Toluene-d8 (Surr)	97		77 - 120		03/09/20 12:36	1

Lab Sample ID: LCS 480-520513/6

Matrix: Water

Analysis Batch: 520513

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	20.0	17.7		ug/L		89	52 - 162
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	46 - 157
1,1,2-Trichloroethane	20.0	17.2		ug/L		86	52 - 150

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-520513/6

Matrix: Water

Analysis Batch: 520513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	18.4		ug/L		92	59 - 155
1,1-Dichloroethene	20.0	17.1		ug/L		86	1 - 234
1,2-Dichlorobenzene	20.0	16.7		ug/L		83	18 - 190
1,2-Dichloroethane	20.0	18.2		ug/L		91	49 - 155
1,2-Dichloropropane	20.0	18.2		ug/L		91	1 - 210
1,3-Dichlorobenzene	20.0	16.6		ug/L		83	59 - 156
1,4-Dichlorobenzene	20.0	16.6		ug/L		83	18 - 190
2-Chloroethyl vinyl ether	20.0	18.1	J	ug/L		90	1 - 305
Benzene	20.0	18.0		ug/L		90	37 - 151
Bromodichloromethane	20.0	18.0		ug/L		90	35 - 155
Bromoform	20.0	15.8		ug/L		79	45 - 169
Bromomethane	20.0	20.3		ug/L		101	1 - 242
Carbon tetrachloride	20.0	17.8		ug/L		89	70 - 140
Chlorobenzene	20.0	17.1		ug/L		85	37 - 160
Chloroethane	20.0	19.8		ug/L		99	14 - 230
Chloroform	20.0	18.5		ug/L		92	51 - 138
Chloromethane	20.0	17.7		ug/L		88	1 - 273
cis-1,3-Dichloropropene	20.0	17.6		ug/L		88	1 - 227
Dibromochloromethane	20.0	16.2		ug/L		81	53 - 149
Ethylbenzene	20.0	17.1		ug/L		85	37 - 162
Methylene Chloride	20.0	17.6		ug/L		88	1 - 221
Tetrachloroethene	20.0	16.0		ug/L		80	64 - 148
Toluene	20.0	16.5		ug/L		83	47 - 150
trans-1,3-Dichloropropene	20.0	16.5		ug/L		83	17 - 183
Trichloroethene	20.0	17.9		ug/L		89	71 - 157
Trichlorofluoromethane	20.0	19.4		ug/L		97	17 - 181
Vinyl chloride	20.0	18.9		ug/L		94	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		68 - 130
4-Bromofluorobenzene (Surr)	103		76 - 123
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	94		77 - 120

Lab Sample ID: MB 480-520703/7

Matrix: Water

Analysis Batch: 520703

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		5.0	0.39	ug/L			03/10/20 11:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/10/20 11:46	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/10/20 11:46	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/10/20 11:46	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/10/20 11:46	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/10/20 11:46	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/10/20 11:46	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/10/20 11:46	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/10/20 11:46	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-520703/7

Matrix: Water

Analysis Batch: 520703

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/10/20 11:46	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/10/20 11:46	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/10/20 11:46	1
Acrolein	ND		100	17	ug/L			03/10/20 11:46	1
Acrylonitrile	ND		50	1.9	ug/L			03/10/20 11:46	1
Benzene	ND		5.0	0.60	ug/L			03/10/20 11:46	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/10/20 11:46	1
Bromoform	ND		5.0	0.47	ug/L			03/10/20 11:46	1
Bromomethane	ND		5.0	1.2	ug/L			03/10/20 11:46	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/10/20 11:46	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/10/20 11:46	1
Chloroethane	ND		5.0	0.87	ug/L			03/10/20 11:46	1
Chloroform	2.67	J	5.0	0.54	ug/L			03/10/20 11:46	1
Chloromethane	ND		5.0	0.64	ug/L			03/10/20 11:46	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/10/20 11:46	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/10/20 11:46	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/10/20 11:46	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/10/20 11:46	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/10/20 11:46	1
Toluene	ND		5.0	0.45	ug/L			03/10/20 11:46	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/10/20 11:46	1
Trichloroethene	ND		5.0	0.60	ug/L			03/10/20 11:46	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/10/20 11:46	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/10/20 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 130		03/10/20 11:46	1
4-Bromofluorobenzene (Surr)	99		76 - 123		03/10/20 11:46	1
Dibromofluoromethane (Surr)	104		75 - 123		03/10/20 11:46	1
Toluene-d8 (Surr)	92		77 - 120		03/10/20 11:46	1

Lab Sample ID: LCS 480-520703/5

Matrix: Water

Analysis Batch: 520703

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	20.0	19.3		ug/L		97	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	46 - 157
1,1,2-Trichloroethane	20.0	18.9		ug/L		95	52 - 150
1,1-Dichloroethane	20.0	20.4		ug/L		102	59 - 155
1,1-Dichloroethene	20.0	19.5		ug/L		97	1 - 234
1,2-Dichlorobenzene	20.0	18.1		ug/L		90	18 - 190
1,2-Dichloroethane	20.0	20.5		ug/L		103	49 - 155
1,2-Dichloropropane	20.0	20.6		ug/L		103	1 - 210
1,3-Dichlorobenzene	20.0	18.0		ug/L		90	59 - 156
1,4-Dichlorobenzene	20.0	18.3		ug/L		92	18 - 190
2-Chloroethyl vinyl ether	20.0	21.7	J	ug/L		108	1 - 305
Benzene	20.0	20.0		ug/L		100	37 - 151

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-520703/5

Matrix: Water

Analysis Batch: 520703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	20.0	20.0		ug/L		100	35 - 155
Bromoform	20.0	18.7		ug/L		94	45 - 169
Bromomethane	20.0	19.3		ug/L		96	1 - 242
Carbon tetrachloride	20.0	18.9		ug/L		95	70 - 140
Chlorobenzene	20.0	18.5		ug/L		93	37 - 160
Chloroethane	20.0	19.6		ug/L		98	14 - 230
Chloroform	20.0	20.1		ug/L		101	51 - 138
Chloromethane	20.0	15.8		ug/L		79	1 - 273
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	1 - 227
Dibromochloromethane	20.0	18.1		ug/L		90	53 - 149
Ethylbenzene	20.0	18.5		ug/L		93	37 - 162
Methylene Chloride	20.0	19.1		ug/L		95	1 - 221
Tetrachloroethene	20.0	17.8		ug/L		89	64 - 148
Toluene	20.0	18.0		ug/L		90	47 - 150
trans-1,3-Dichloropropene	20.0	18.5		ug/L		93	17 - 183
Trichloroethene	20.0	19.5		ug/L		98	71 - 157
Trichlorofluoromethane	20.0	18.3		ug/L		91	17 - 181
Vinyl chloride	20.0	17.2		ug/L		86	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 130
4-Bromofluorobenzene (Surr)	100		76 - 123
Dibromofluoromethane (Surr)	99		75 - 123
Toluene-d8 (Surr)	93		77 - 120

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-520814/1-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		03/10/20 15:06	03/11/20 11:27	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		03/10/20 15:06	03/11/20 11:27	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		03/10/20 15:06	03/11/20 11:27	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		03/10/20 15:06	03/11/20 11:27	1
2-Chlorophenol	ND		5.0	0.66	ug/L		03/10/20 15:06	03/11/20 11:27	1
2-Nitrophenol	ND		5.0	0.70	ug/L		03/10/20 15:06	03/11/20 11:27	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		03/10/20 15:06	03/11/20 11:27	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		03/10/20 15:06	03/11/20 11:27	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-520814/1-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 11:27	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 11:27	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 11:27	1
4-Nitrophenol	ND		10	10	ug/L		03/10/20 15:06	03/11/20 11:27	1
Acenaphthene	ND		5.0	0.81	ug/L		03/10/20 15:06	03/11/20 11:27	1
Acenaphthylene	ND		5.0	0.87	ug/L		03/10/20 15:06	03/11/20 11:27	1
Aniline	ND		10	1.5	ug/L		03/10/20 15:06	03/11/20 11:27	1
Anthracene	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzidine	ND		80	35	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 11:27	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		03/10/20 15:06	03/11/20 11:27	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		03/10/20 15:06	03/11/20 11:27	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		03/10/20 15:06	03/11/20 11:27	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		03/10/20 15:06	03/11/20 11:27	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		03/10/20 15:06	03/11/20 11:27	1
Chrysene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Decane	ND		10	1.6	ug/L		03/10/20 15:06	03/11/20 11:27	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		03/10/20 15:06	03/11/20 11:27	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 11:27	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 11:27	1
Diethyl phthalate	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		03/10/20 15:06	03/11/20 11:27	1
Fluoranthene	ND		5.0	1.6	ug/L		03/10/20 15:06	03/11/20 11:27	1
Fluorene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
Hexachloroethane	ND		5.0	0.60	ug/L		03/10/20 15:06	03/11/20 11:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		03/10/20 15:06	03/11/20 11:27	1
Isophorone	ND		5.0	0.74	ug/L		03/10/20 15:06	03/11/20 11:27	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		03/10/20 15:06	03/11/20 11:27	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		03/10/20 15:06	03/11/20 11:27	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		03/10/20 15:06	03/11/20 11:27	1
Naphthalene	ND		5.0	0.86	ug/L		03/10/20 15:06	03/11/20 11:27	1
Nitrobenzene	ND		5.0	0.81	ug/L		03/10/20 15:06	03/11/20 11:27	1
Pentachlorophenol	ND		10	1.6	ug/L		03/10/20 15:06	03/11/20 11:27	1
Phenanthrene	ND		5.0	1.2	ug/L		03/10/20 15:06	03/11/20 11:27	1
Phenol	ND		5.0	0.35	ug/L		03/10/20 15:06	03/11/20 11:27	1
Pyrene	ND		5.0	1.4	ug/L		03/10/20 15:06	03/11/20 11:27	1
n-Octadecane	ND		10	1.2	ug/L		03/10/20 15:06	03/11/20 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		52 - 151	03/10/20 15:06	03/11/20 11:27	1
2-Fluorobiphenyl	93		44 - 120	03/10/20 15:06	03/11/20 11:27	1
2-Fluorophenol	48		17 - 120	03/10/20 15:06	03/11/20 11:27	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-520814/1-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520814

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		15 - 314	03/10/20 15:06	03/11/20 11:27	1
p-Terphenyl-d14	106		22 - 125	03/10/20 15:06	03/11/20 11:27	1
Phenol-d5	33		8 - 424	03/10/20 15:06	03/11/20 11:27	1

Lab Sample ID: LCS 480-520814/2-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	50.0	39.2		ug/L		78	44 - 142
1,2-Dichlorobenzene	50.0	35.2		ug/L		70	32 - 129
1,3-Dichlorobenzene	50.0	35.3		ug/L		71	1 - 172
1,4-Dichlorobenzene	50.0	34.4		ug/L		69	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	37.8		ug/L		76	36 - 166
2,4,6-Trichlorophenol	50.0	43.9		ug/L		88	37 - 144
2,4-Dichlorophenol	50.0	43.8		ug/L		88	39 - 135
2,4-Dimethylphenol	50.0	44.3		ug/L		89	32 - 120
2,4-Dinitrophenol	100	87.9		ug/L		88	1 - 191
2,4-Dinitrotoluene	50.0	45.9		ug/L		92	39 - 139
2,6-Dinitrotoluene	50.0	45.6		ug/L		91	50 - 158
2-Chloronaphthalene	50.0	40.9		ug/L		82	60 - 120
2-Chlorophenol	50.0	39.8		ug/L		80	23 - 134
2-Nitrophenol	50.0	42.3		ug/L		85	29 - 182
3,3'-Dichlorobenzidine	100	96.8		ug/L		97	1 - 262
4,6-Dinitro-2-methylphenol	100	84.1		ug/L		84	1 - 181
4-Bromophenyl phenyl ether	50.0	44.8		ug/L		90	53 - 127
4-Chloro-3-methylphenol	50.0	47.3		ug/L		95	22 - 147
4-Chlorophenyl phenyl ether	50.0	44.3		ug/L		89	25 - 158
4-Nitrophenol	100	45.6		ug/L		46	1 - 132
Acenaphthene	50.0	44.6		ug/L		89	47 - 145
Acenaphthylene	50.0	44.7		ug/L		89	33 - 145
Aniline	50.0	31.7		ug/L		63	40 - 120
Anthracene	50.0	46.7		ug/L		93	27 - 133
Benzo[a]anthracene	50.0	47.7		ug/L		95	33 - 143
Benzo[a]pyrene	50.0	46.1		ug/L		92	17 - 163
Benzo[b]fluoranthene	50.0	48.0		ug/L		96	24 - 159
Benzo[g,h,i]perylene	50.0	50.0		ug/L		100	1 - 219
Benzo[k]fluoranthene	50.0	46.3		ug/L		93	11 - 162
Bis(2-chloroethoxy)methane	50.0	43.0		ug/L		86	33 - 184
Bis(2-chloroethyl)ether	50.0	40.2		ug/L		80	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	48.3		ug/L		97	8 - 158
Butyl benzyl phthalate	50.0	47.9		ug/L		96	1 - 152
Chrysene	50.0	47.8		ug/L		96	17 - 168
Di-n-butyl phthalate	50.0	48.2		ug/L		96	1 - 120
Di-n-octyl phthalate	50.0	48.3		ug/L		97	4 - 146
Dibenz(a,h)anthracene	50.0	49.0		ug/L		98	1 - 227
Diethyl phthalate	50.0	46.7		ug/L		93	1 - 120
Dimethyl phthalate	50.0	45.5		ug/L		91	1 - 120

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-520814/2-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	50.0	46.6		ug/L		93	26 - 137
Fluorene	50.0	44.6		ug/L		89	59 - 121
Hexachlorobenzene	50.0	47.2		ug/L		94	1 - 152
Hexachlorocyclopentadiene	50.0	35.9		ug/L		72	5 - 120
Hexachloroethane	50.0	32.1		ug/L		64	40 - 120
Indeno[1,2,3-cd]pyrene	50.0	50.2		ug/L		100	1 - 171
Isophorone	50.0	43.2		ug/L		86	21 - 196
N-Nitrosodi-n-propylamine	50.0	40.1		ug/L		80	1 - 230
N-Nitrosodiphenylamine	50.0	46.5		ug/L		93	54 - 125
Naphthalene	50.0	40.9		ug/L		82	21 - 133
Nitrobenzene	50.0	39.5		ug/L		79	35 - 180
Pentachlorophenol	100	79.3		ug/L		79	14 - 176
Phenanthrene	50.0	45.9		ug/L		92	54 - 120
Phenol	50.0	16.7		ug/L		33	5 - 120
Pyrene	50.0	46.1		ug/L		92	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	91		52 - 151
2-Fluorobiphenyl	88		44 - 120
2-Fluorophenol	46		17 - 120
Nitrobenzene-d5	85		15 - 314
p-Terphenyl-d14	102		22 - 125
Phenol-d5	32		8 - 424

Lab Sample ID: LCSD 480-520814/3-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	42.9		ug/L		86	44 - 142	9	34
1,2-Dichlorobenzene	50.0	38.0		ug/L		76	32 - 129	8	38
1,3-Dichlorobenzene	50.0	37.3		ug/L		75	1 - 172	6	37
1,4-Dichlorobenzene	50.0	37.5		ug/L		75	20 - 124	9	40
2,2'-oxybis[1-chloropropane]	50.0	40.9		ug/L		82	36 - 166	8	36
2,4,6-Trichlorophenol	50.0	46.2		ug/L		92	37 - 144	5	20
2,4-Dichlorophenol	50.0	48.1		ug/L		96	39 - 135	9	23
2,4-Dimethylphenol	50.0	47.2		ug/L		94	32 - 120	6	18
2,4-Dinitrophenol	100	94.7		ug/L		95	1 - 191	7	29
2,4-Dinitrotoluene	50.0	48.4		ug/L		97	39 - 139	5	20
2,6-Dinitrotoluene	50.0	47.8		ug/L		96	50 - 158	5	17
2-Chloronaphthalene	50.0	45.8		ug/L		92	60 - 120	11	30
2-Chlorophenol	50.0	41.3		ug/L		83	23 - 134	4	26
2-Nitrophenol	50.0	46.8		ug/L		94	29 - 182	10	28
3,3'-Dichlorobenzidine	100	97.6		ug/L		98	1 - 262	1	31
4,6-Dinitro-2-methylphenol	100	89.4		ug/L		89	1 - 181	6	30
4-Bromophenyl phenyl ether	50.0	50.9		ug/L		102	53 - 127	13	16
4-Chloro-3-methylphenol	50.0	47.0		ug/L		94	22 - 147	1	16
4-Chlorophenyl phenyl ether	50.0	48.4		ug/L		97	25 - 158	9	15

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-520814/3-A

Matrix: Water

Analysis Batch: 520946

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol	100	47.8		ug/L		48	1 - 132	5	24
Acenaphthene	50.0	47.7		ug/L		95	47 - 145	7	25
Acenaphthylene	50.0	48.1		ug/L		96	33 - 145	7	22
Aniline	50.0	32.4		ug/L		65	40 - 120	2	30
Anthracene	50.0	49.1		ug/L		98	27 - 133	5	15
Benzo[a]anthracene	50.0	49.3		ug/L		99	33 - 143	3	15
Benzo[a]pyrene	50.0	48.2		ug/L		96	17 - 163	4	15
Benzo[b]fluoranthene	50.0	47.1		ug/L		94	24 - 159	2	17
Benzo[g,h,i]perylene	50.0	53.0		ug/L		106	1 - 219	6	19
Benzo[k]fluoranthene	50.0	52.8		ug/L		106	11 - 162	13	19
Bis(2-chloroethoxy)methane	50.0	46.2		ug/L		92	33 - 184	7	23
Bis(2-chloroethyl)ether	50.0	42.2		ug/L		84	12 - 158	5	33
Bis(2-ethylhexyl) phthalate	50.0	51.6		ug/L		103	8 - 158	7	15
Butyl benzyl phthalate	50.0	50.3		ug/L		101	1 - 152	5	15
Chrysene	50.0	50.0		ug/L		100	17 - 168	5	15
Di-n-butyl phthalate	50.0	51.2		ug/L		102	1 - 120	6	15
Di-n-octyl phthalate	50.0	52.4		ug/L		105	4 - 146	8	15
Dibenz(a,h)anthracene	50.0	51.8		ug/L		104	1 - 227	6	18
Diethyl phthalate	50.0	49.2		ug/L		98	1 - 120	5	15
Dimethyl phthalate	50.0	49.1		ug/L		98	1 - 120	8	15
Fluoranthene	50.0	48.6		ug/L		97	26 - 137	4	15
Fluorene	50.0	50.4		ug/L		101	59 - 121	12	18
Hexachlorobenzene	50.0	49.2		ug/L		98	1 - 152	4	15
Hexachlorocyclopentadiene	50.0	42.1		ug/L		84	5 - 120	16	50
Hexachloroethane	50.0	35.3		ug/L		71	40 - 120	9	43
Indeno[1,2,3-cd]pyrene	50.0	52.9		ug/L		106	1 - 171	5	17
Isophorone	50.0	46.1		ug/L		92	21 - 196	7	21
N-Nitrosodi-n-propylamine	50.0	46.2		ug/L		92	1 - 230	14	23
N-Nitrosodiphenylamine	50.0	50.2		ug/L		100	54 - 125	8	15
Naphthalene	50.0	43.4		ug/L		87	21 - 133	6	31
Nitrobenzene	50.0	43.4		ug/L		87	35 - 180	9	27
Pentachlorophenol	100	88.2		ug/L		88	14 - 176	11	21
Phenanthrene	50.0	49.1		ug/L		98	54 - 120	7	16
Phenol	50.0	18.3		ug/L		37	5 - 120	9	36
Pyrene	50.0	50.4		ug/L		101	52 - 120	9	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	102		52 - 151
2-Fluorobiphenyl	96		44 - 120
2-Fluorophenol	48		17 - 120
Nitrobenzene-d5	89		15 - 314
p-Terphenyl-d14	107		22 - 125
Phenol-d5	33		8 - 424



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-520921/1-A

Matrix: Water

Analysis Batch: 520996

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1221	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1232	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1242	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1248	ND		0.060	0.038	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1254	ND		0.060	0.031	ug/L		03/11/20 08:55	03/11/20 17:49	1
PCB-1260	ND		0.060	0.031	ug/L		03/11/20 08:55	03/11/20 17:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		36 - 121	03/11/20 08:55	03/11/20 17:49	1
Tetrachloro-m-xylene	67		42 - 135	03/11/20 08:55	03/11/20 17:49	1

Lab Sample ID: LCS 480-520921/2-A

Matrix: Water

Analysis Batch: 520996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	1.00	0.965		ug/L		96	69 - 123
PCB-1260	1.00	0.910		ug/L		91	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		36 - 121
Tetrachloro-m-xylene	68		42 - 135

Lab Sample ID: LCSD 480-520921/3-A

Matrix: Water

Analysis Batch: 520996

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520921

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	1.00	0.980		ug/L		98	69 - 123	2	30
PCB-1260	1.00	0.913		ug/L		91	69 - 120	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	51		36 - 121
Tetrachloro-m-xylene	67		42 - 135

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-520668/1-A

Matrix: Water

Analysis Batch: 520930

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		03/10/20 09:03	03/10/20 18:02	1
Copper	ND		0.010	0.0016	mg/L		03/10/20 09:03	03/10/20 18:02	1
Lead	ND		0.010	0.0030	mg/L		03/10/20 09:03	03/10/20 18:02	1
Nickel	ND		0.010	0.0013	mg/L		03/10/20 09:03	03/10/20 18:02	1
Zinc	ND		0.010	0.0015	mg/L		03/10/20 09:03	03/10/20 18:02	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: LCS 480-520668/2-A

Matrix: Water

Analysis Batch: 520930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.207		mg/L		104	85 - 115
Copper	0.200	0.200		mg/L		100	85 - 115
Lead	0.200	0.195		mg/L		97	85 - 115
Nickel	0.200	0.193		mg/L		97	85 - 115
Zinc	0.200	0.210		mg/L		105	85 - 115

Lab Sample ID: 480-167185-3 MS

Matrix: Water

Analysis Batch: 520930

Client Sample ID: BCC BSA SUMP\_0320

Prep Type: Total/NA

Prep Batch: 520668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.0022	J	0.200	0.208		mg/L		103	70 - 130
Copper	0.0022	J	0.200	0.205		mg/L		101	70 - 130
Lead	ND		0.200	0.204		mg/L		102	70 - 130
Nickel	0.0017	J	0.200	0.203		mg/L		101	70 - 130
Zinc	0.0089	J	0.200	0.214		mg/L		103	70 - 130

Lab Sample ID: 480-167185-3 MSD

Matrix: Water

Analysis Batch: 520930

Client Sample ID: BCC BSA SUMP\_0320

Prep Type: Total/NA

Prep Batch: 520668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	0.0022	J	0.200	0.205		mg/L		102	70 - 130	1	20
Copper	0.0022	J	0.200	0.202		mg/L		100	70 - 130	1	20
Lead	ND		0.200	0.202		mg/L		101	70 - 130	1	20
Nickel	0.0017	J	0.200	0.200		mg/L		99	70 - 130	1	20
Zinc	0.0089	J	0.200	0.213		mg/L		102	70 - 130	0	20

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-520768/1-A

Matrix: Water

Analysis Batch: 520821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/10/20 11:30	03/10/20 14:22	1

Lab Sample ID: LCS 480-520768/2-A

Matrix: Water

Analysis Batch: 520821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00670		mg/L		100	85 - 115

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-520863/1-A

Matrix: Water

Analysis Batch: 520980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.00914	J	0.010	0.0050	mg/L		03/10/20 20:51	03/11/20 11:13	1

Lab Sample ID: LCS 480-520863/2-A

Matrix: Water

Analysis Batch: 520980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.107		mg/L		107	90 - 110

Lab Sample ID: 480-167185-3 MS

Matrix: Water

Analysis Batch: 520980

Client Sample ID: BCC BSA SUMP\_0320

Prep Type: Total/NA

Prep Batch: 520863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.015	B F1	0.100	0.137	F1	mg/L		122	90 - 110

Lab Sample ID: 480-167185-3 DU

Matrix: Water

Analysis Batch: 520980

Client Sample ID: BCC BSA SUMP\_0320

Prep Type: Total/NA

Prep Batch: 520863

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Phenolics, Total Recoverable	0.015	B F1	0.0132		mg/L		9	20

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-520848/1

Matrix: Water

Analysis Batch: 520848

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/10/20 18:09	1

Lab Sample ID: LCS 480-520848/2

Matrix: Water

Analysis Batch: 520848

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	273	265.6		mg/L		97	88 - 110

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-520977/1

Matrix: Water

Analysis Batch: 520977

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-521252/27

Matrix: Water

Analysis Batch: 521252

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	0.00712	J	0.010	0.0050	mg/L as P			03/12/20 12:00	1

Lab Sample ID: LCS 480-521252/28

Matrix: Water

Analysis Batch: 521252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.205		mg/L as P		102	90 - 110

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-521037/1

Matrix: Water

Analysis Batch: 521037

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			03/11/20 09:02	1

Lab Sample ID: LCS 480-521037/2

Matrix: Water

Analysis Batch: 521037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	209.3		mg/L		106	85 - 115

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## GC/MS VOA

### Analysis Batch: 520513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-4	TRIP BLANK	Total/NA	Water	624.1	
MB 480-520513/8	Method Blank	Total/NA	Water	624.1	
LCS 480-520513/6	Lab Control Sample	Total/NA	Water	624.1	

### Analysis Batch: 520703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	624.1	
MB 480-520703/7	Method Blank	Total/NA	Water	624.1	
LCS 480-520703/5	Lab Control Sample	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 520814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	625	
MB 480-520814/1-A	Method Blank	Total/NA	Water	625	
LCS 480-520814/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-520814/3-A	Lab Control Sample Dup	Total/NA	Water	625	

### Analysis Batch: 520946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	625.1	520814
MB 480-520814/1-A	Method Blank	Total/NA	Water	625.1	520814
LCS 480-520814/2-A	Lab Control Sample	Total/NA	Water	625.1	520814
LCSD 480-520814/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	520814

## GC Semi VOA

### Prep Batch: 520921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	3510C	
MB 480-520921/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-520921/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-520921/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 520996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	608.3	520921
MB 480-520921/1-A	Method Blank	Total/NA	Water	608.3	520921
LCS 480-520921/2-A	Lab Control Sample	Total/NA	Water	608.3	520921
LCSD 480-520921/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	520921

## Metals

### Prep Batch: 520668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	200.7	
MB 480-520668/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-520668/2-A	Lab Control Sample	Total/NA	Water	200.7	
480-167185-3 MS	BCC BSA SUMP_0320	Total/NA	Water	200.7	
480-167185-3 MSD	BCC BSA SUMP_0320	Total/NA	Water	200.7	

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

## Metals

### Prep Batch: 520768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	245.1	
MB 480-520768/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-520768/2-A	Lab Control Sample	Total/NA	Water	245.1	

### Analysis Batch: 520821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	245.1	520768
MB 480-520768/1-A	Method Blank	Total/NA	Water	245.1	520768
LCS 480-520768/2-A	Lab Control Sample	Total/NA	Water	245.1	520768

### Analysis Batch: 520930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	200.7 Rev 4.4	520668
MB 480-520668/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	520668
LCS 480-520668/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	520668
480-167185-3 MS	BCC BSA SUMP_0320	Total/NA	Water	200.7 Rev 4.4	520668
480-167185-3 MSD	BCC BSA SUMP_0320	Total/NA	Water	200.7 Rev 4.4	520668

## General Chemistry

### Analysis Batch: 520848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	SM 2540D	
MB 480-520848/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-520848/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Prep Batch: 520863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	Distill/Phenol	
MB 480-520863/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-520863/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
480-167185-3 MS	BCC BSA SUMP_0320	Total/NA	Water	Distill/Phenol	
480-167185-3 DU	BCC BSA SUMP_0320	Total/NA	Water	Distill/Phenol	

### Analysis Batch: 520977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 H+ B	
LCS 480-520977/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 520980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	420.1	520863
MB 480-520863/1-A	Method Blank	Total/NA	Water	420.1	520863
LCS 480-520863/2-A	Lab Control Sample	Total/NA	Water	420.1	520863
480-167185-3 MS	BCC BSA SUMP_0320	Total/NA	Water	420.1	520863
480-167185-3 DU	BCC BSA SUMP_0320	Total/NA	Water	420.1	520863

### Analysis Batch: 521037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	SM 5210B	
USB 480-521037/1	Method Blank	Total/NA	Water	SM 5210B	

Eurofins TestAmerica, Buffalo

## QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

### General Chemistry (Continued)

#### Analysis Batch: 521037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-521037/2	Lab Control Sample	Total/NA	Water	SM 5210B	

#### Analysis Batch: 521114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 CN G	

#### Analysis Batch: 521252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167185-3	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 P E	
MB 480-521252/27	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-521252/28	Lab Control Sample	Total/NA	Water	SM 4500 P E	

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

**Client Sample ID: BCC BSA SUMP\_0320**

**Lab Sample ID: 480-167185-3**

**Date Collected: 03/09/20 14:00**

**Matrix: Water**

**Date Received: 03/09/20 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	520703	03/10/20 15:36	WJD	TAL BUF
Total/NA	Prep	625			520814	03/10/20 15:06	ATG	TAL BUF
Total/NA	Analysis	625.1		1	520946	03/11/20 12:40	JMM	TAL BUF
Total/NA	Prep	3510C			520921	03/11/20 08:55	JMP	TAL BUF
Total/NA	Analysis	608.3		1	520996	03/11/20 18:53	W1T	TAL BUF
Total/NA	Prep	200.7			520668	03/10/20 09:03	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	520930	03/10/20 18:09	LMH	TAL BUF
Total/NA	Prep	245.1			520768	03/10/20 11:30	BMB	TAL BUF
Total/NA	Analysis	245.1		1	520821	03/10/20 14:29	BMB	TAL BUF
Total/NA	Prep	Distill/Phenol			520863	03/10/20 20:51	T1S	TAL BUF
Total/NA	Analysis	420.1		1	520980	03/11/20 11:13	KEB	TAL BUF
Total/NA	Analysis	SM 2540D		1	520848	03/10/20 18:09	T1S	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	521114	03/10/20 17:03	DLG	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	520977	03/11/20 11:29	DLG	TAL BUF
Total/NA	Analysis	SM 4500 P E		10	521252	03/12/20 12:00	SRA	TAL BUF
Total/NA	Analysis	SM 5210B		1	521037	03/11/20 09:02	MJB	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-167185-4**

**Date Collected: 03/09/20 00:00**

**Matrix: Water**

**Date Received: 03/09/20 16:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	520513	03/09/20 18:17	WJD	TAL BUF

## Laboratory References:

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

## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature



# Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.1	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF
Distill/Phenol	Distillation, Phenolics	None	TAL BUF

## Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

## Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167185-3	BCC BSA SUMP_0320	Water	03/09/20 14:00	03/09/20 16:10	
480-167185-4	TRIP BLANK	Water	03/09/20 00:00	03/09/20 16:10	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Colo GWTF SUMP

Job ID: 480-167185-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10

## Chain of Custody Record

**TestAmerica Laboratories, Inc.**

[illegible]

DA-2

7.92 #1

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## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-167185-1

**Login Number: 167185**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan D**

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	2.9 #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	
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

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

Laboratory Job ID: 480-167509-1

Client Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP  
Sampling Event: Buffalo Color - Quarterly Sump

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:

3/26/2020 9:31:34 AM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

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

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

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## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

### 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
*1	LCS/LCSD 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
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.

#### General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)



# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

**Job ID: 480-167509-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

### Job Narrative 480-167509-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/16/2020 4:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

#### GC/MS VOA

Method 624.1: The following Volatile sample was composited by the laboratory on 03-17-2020 as requested by the client: BCC BSA SUMP\_0320 (480-167509-1). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

#### GC/MS Semi VOA

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-522259 and analytical batch 480-522600 recovered outside control limits for the following analytes: Benzidine.

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

#### GC Semi VOA

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

#### Metals

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

#### General Chemistry

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

#### Organic Prep

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

## Detection Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

**Client Sample ID: BCC BSA SUMP\_0320**

**Lab Sample ID: 480-167509-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aniline	1.9	J	40	1.5	ug/L	1		625.1	Total/NA
Di-n-butyl phthalate	12	J	20	1.6	ug/L	1		625.1	Total/NA
Chromium	0.0014	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0039	J B	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0043	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0022	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0076	J B	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.014	B	0.010	0.0050	mg/L	1		420.1	Total/NA
Total Suspended Solids	5.6		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Cyanide, Amenable	0.017		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
pH	7.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	18.7	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA
Phosphorus	4.9		0.050	0.025	mg/L as P	5		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	2.2	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-167509-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.8	J	5.0	0.54	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167509-1

Date Collected: 03/16/20 15:20

Matrix: Water

Date Received: 03/16/20 16:25

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/17/20 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/17/20 15:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/17/20 15:50	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/17/20 15:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/17/20 15:50	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/17/20 15:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/17/20 15:50	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/17/20 15:50	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/17/20 15:50	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/17/20 15:50	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/17/20 15:50	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/17/20 15:50	1
Acrolein	ND		100	17	ug/L			03/17/20 15:50	1
Acrylonitrile	ND		50	1.9	ug/L			03/17/20 15:50	1
Benzene	ND		5.0	0.60	ug/L			03/17/20 15:50	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/17/20 15:50	1
Bromoform	ND		5.0	0.47	ug/L			03/17/20 15:50	1
Bromomethane	ND		5.0	1.2	ug/L			03/17/20 15:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/17/20 15:50	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/17/20 15:50	1
Chloroethane	ND		5.0	0.87	ug/L			03/17/20 15:50	1
Chloroform	ND		5.0	0.54	ug/L			03/17/20 15:50	1
Chloromethane	ND		5.0	0.64	ug/L			03/17/20 15:50	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/17/20 15:50	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/17/20 15:50	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/17/20 15:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/17/20 15:50	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/17/20 15:50	1
Toluene	ND		5.0	0.45	ug/L			03/17/20 15:50	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/17/20 15:50	1
Trichloroethene	ND		5.0	0.60	ug/L			03/17/20 15:50	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/17/20 15:50	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/17/20 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		68 - 130		03/17/20 15:50	1
4-Bromofluorobenzene (Surr)	109		76 - 123		03/17/20 15:50	1
Dibromofluoromethane (Surr)	97		75 - 123		03/17/20 15:50	1
Toluene-d8 (Surr)	96		77 - 120		03/17/20 15:50	1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		03/19/20 15:17	03/23/20 17:28	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		03/19/20 15:17	03/23/20 17:28	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		03/19/20 15:17	03/23/20 17:28	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		03/19/20 15:17	03/23/20 17:28	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167509-1

Date Collected: 03/16/20 15:20

Matrix: Water

Date Received: 03/16/20 16:25

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,4-Dinitrophenol	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
2-Chloronaphthalene	ND		20	0.91	ug/L		03/19/20 15:17	03/23/20 17:28	1
2-Chlorophenol	ND		20	0.66	ug/L		03/19/20 15:17	03/23/20 17:28	1
2-Nitrophenol	ND		20	0.70	ug/L		03/19/20 15:17	03/23/20 17:28	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		03/19/20 15:17	03/23/20 17:28	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		03/19/20 15:17	03/23/20 17:28	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 17:28	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 17:28	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 17:28	1
4-Nitrophenol	ND		40	10	ug/L		03/19/20 15:17	03/23/20 17:28	1
Acenaphthene	ND		20	0.81	ug/L		03/19/20 15:17	03/23/20 17:28	1
Acenaphthylene	ND		20	0.87	ug/L		03/19/20 15:17	03/23/20 17:28	1
Aniline	1.9	J	40	1.5	ug/L		03/19/20 15:17	03/23/20 17:28	1
Anthracene	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzidine	ND	*1	320	35	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzo[a]anthracene	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzo[a]pyrene	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 17:28	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 17:28	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		03/19/20 15:17	03/23/20 17:28	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		03/19/20 15:17	03/23/20 17:28	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		03/19/20 15:17	03/23/20 17:28	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 17:28	1
Chrysene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 17:28	1
Diethyl phthalate	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Dimethyl phthalate	ND		20	0.91	ug/L		03/19/20 15:17	03/23/20 17:28	1
Di-n-butyl phthalate	12	J	20	1.6	ug/L		03/19/20 15:17	03/23/20 17:28	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 17:28	1
Fluoranthene	ND		20	1.6	ug/L		03/19/20 15:17	03/23/20 17:28	1
Fluorene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Hexachlorobenzene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Hexachlorobutadiene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
Hexachloroethane	ND		20	0.60	ug/L		03/19/20 15:17	03/23/20 17:28	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 17:28	1
Isophorone	ND		20	0.74	ug/L		03/19/20 15:17	03/23/20 17:28	1
Naphthalene	ND		20	0.86	ug/L		03/19/20 15:17	03/23/20 17:28	1
Decane	ND		40	1.6	ug/L		03/19/20 15:17	03/23/20 17:28	1
Nitrobenzene	ND		20	0.81	ug/L		03/19/20 15:17	03/23/20 17:28	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 17:28	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		03/19/20 15:17	03/23/20 17:28	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		03/19/20 15:17	03/23/20 17:28	1
n-Octadecane	ND		40	1.2	ug/L		03/19/20 15:17	03/23/20 17:28	1
Pentachlorophenol	ND		40	5.4	ug/L		03/19/20 15:17	03/23/20 17:28	1
Phenanthrene	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 17:28	1

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# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Client Sample ID: BCC BSA SUMP\_0320

Lab Sample ID: 480-167509-1

Date Collected: 03/16/20 15:20

Matrix: Water

Date Received: 03/16/20 16:25

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		20	0.35	ug/L		03/19/20 15:17	03/23/20 17:28	1
Pyrene	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 17:28	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		52 - 151	03/19/20 15:17	03/23/20 17:28	1
2-Fluorobiphenyl	81		44 - 120	03/19/20 15:17	03/23/20 17:28	1
2-Fluorophenol	65		17 - 120	03/19/20 15:17	03/23/20 17:28	1
Nitrobenzene-d5	78		15 - 314	03/19/20 15:17	03/23/20 17:28	1
Phenol-d5	49		8 - 424	03/19/20 15:17	03/23/20 17:28	1
p-Terphenyl-d14	72		22 - 125	03/19/20 15:17	03/23/20 17:28	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1221	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1232	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1242	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1248	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1254	ND		0.060	0.031	ug/L		03/19/20 15:06	03/20/20 10:10	1
PCB-1260	ND		0.060	0.031	ug/L		03/19/20 15:06	03/20/20 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		36 - 121	03/19/20 15:06	03/20/20 10:10	1
Tetrachloro-m-xylene	68		42 - 135	03/19/20 15:06	03/20/20 10:10	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0014	J	0.0040	0.0010	mg/L		03/18/20 08:33	03/18/20 15:54	1
Copper	0.0039	J B	0.010	0.0016	mg/L		03/18/20 08:33	03/18/20 15:54	1
Lead	0.0043	J	0.010	0.0030	mg/L		03/18/20 08:33	03/18/20 15:54	1
Nickel	0.0022	J	0.010	0.0013	mg/L		03/18/20 08:33	03/18/20 15:54	1
Zinc	0.0076	J B	0.010	0.0015	mg/L		03/18/20 08:33	03/18/20 15:54	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/18/20 11:26	03/18/20 14:28	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.014	B	0.010	0.0050	mg/L		03/17/20 20:11	03/18/20 11:22	1
Cyanide, Amenable	0.017		0.010	0.0050	mg/L			03/18/20 15:12	1
Phosphorus	4.9		0.050	0.025	mg/L as P			03/24/20 12:48	5
Biochemical Oxygen Demand	2.2	b	2.0	2.0	mg/L			03/18/20 02:29	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	5.6		4.0	4.0	mg/L			03/19/20 18:52	1
pH	7.2	HF	0.1	0.1	SU			03/17/20 15:46	1
Temperature	18.7	HF	0.001	0.001	Degrees C			03/17/20 15:46	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-167509-2

Date Collected: 03/16/20 00:00

Matrix: Water

Date Received: 03/16/20 16:25

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/17/20 16:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/17/20 16:15	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/17/20 16:15	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/17/20 16:15	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/17/20 16:15	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/17/20 16:15	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/17/20 16:15	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/17/20 16:15	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/17/20 16:15	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/17/20 16:15	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/17/20 16:15	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/17/20 16:15	1
Acrolein	ND		100	17	ug/L			03/17/20 16:15	1
Acrylonitrile	ND		50	1.9	ug/L			03/17/20 16:15	1
Benzene	ND		5.0	0.60	ug/L			03/17/20 16:15	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/17/20 16:15	1
Bromoform	ND		5.0	0.47	ug/L			03/17/20 16:15	1
Bromomethane	ND		5.0	1.2	ug/L			03/17/20 16:15	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/17/20 16:15	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/17/20 16:15	1
Chloroethane	ND		5.0	0.87	ug/L			03/17/20 16:15	1
Chloroform	1.8	J	5.0	0.54	ug/L			03/17/20 16:15	1
Chloromethane	ND		5.0	0.64	ug/L			03/17/20 16:15	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/17/20 16:15	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/17/20 16:15	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/17/20 16:15	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/17/20 16:15	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/17/20 16:15	1
Toluene	ND		5.0	0.45	ug/L			03/17/20 16:15	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/17/20 16:15	1
Trichloroethene	ND		5.0	0.60	ug/L			03/17/20 16:15	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/17/20 16:15	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/17/20 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		68 - 130		03/17/20 16:15	1
4-Bromofluorobenzene (Surr)	108		76 - 123		03/17/20 16:15	1
Dibromofluoromethane (Surr)	98		75 - 123		03/17/20 16:15	1
Toluene-d8 (Surr)	98		77 - 120		03/17/20 16:15	1

## Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

### Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (68-130)	BFB (76-123)	DBFM (75-123)	TOL (77-120)
480-167509-1	BCC BSA SUMP_0320	94	109	97	96
480-167509-2	TRIP BLANK	92	108	98	98
LCS 480-521720/5	Lab Control Sample	90	110	98	98
MB 480-521720/7	Method Blank	90	108	94	97

#### Surrogate Legend

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

### Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	PHL (8-424)	TPHd14 (22-125)
480-167509-1	BCC BSA SUMP_0320	73	81	65	78	49	72
LCS 480-522259/2-A	Lab Control Sample	76	73	61	76	50	80
LCSD 480-522259/3-A	Lab Control Sample Dup	82	81	64	83	53	89
MB 480-522259/1-A	Method Blank	54	82	63	77	48	91

#### Surrogate Legend

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

### Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (36-121)	TCX1 (42-135)
480-167509-1	BCC BSA SUMP_0320	66	68
LCS 480-522257/2-A	Lab Control Sample	76	71
LCSD 480-522257/3-A	Lab Control Sample Dup	75	73
MB 480-522257/1-A	Method Blank	87	72

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-521720/7

Matrix: Water

Analysis Batch: 521720

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		5.0	0.39	ug/L			03/17/20 11:51	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/17/20 11:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/17/20 11:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/17/20 11:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/17/20 11:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/17/20 11:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/17/20 11:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/17/20 11:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/17/20 11:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/17/20 11:51	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/17/20 11:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/17/20 11:51	1
Acrolein	ND		100	17	ug/L			03/17/20 11:51	1
Acrylonitrile	ND		50	1.9	ug/L			03/17/20 11:51	1
Benzene	ND		5.0	0.60	ug/L			03/17/20 11:51	1
Bromodichloromethane	ND		5.0	0.54	ug/L			03/17/20 11:51	1
Bromoform	ND		5.0	0.47	ug/L			03/17/20 11:51	1
Bromomethane	ND		5.0	1.2	ug/L			03/17/20 11:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/17/20 11:51	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/17/20 11:51	1
Chloroethane	ND		5.0	0.87	ug/L			03/17/20 11:51	1
Chloroform	ND		5.0	0.54	ug/L			03/17/20 11:51	1
Chloromethane	ND		5.0	0.64	ug/L			03/17/20 11:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/17/20 11:51	1
Dibromochloromethane	ND		5.0	0.41	ug/L			03/17/20 11:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/17/20 11:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/17/20 11:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/17/20 11:51	1
Toluene	ND		5.0	0.45	ug/L			03/17/20 11:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/17/20 11:51	1
Trichloroethene	ND		5.0	0.60	ug/L			03/17/20 11:51	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			03/17/20 11:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/17/20 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		68 - 130		03/17/20 11:51	1
4-Bromofluorobenzene (Surr)	108		76 - 123		03/17/20 11:51	1
Dibromofluoromethane (Surr)	94		75 - 123		03/17/20 11:51	1
Toluene-d8 (Surr)	97		77 - 120		03/17/20 11:51	1

Lab Sample ID: LCS 480-521720/5

Matrix: Water

Analysis Batch: 521720

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	20.0	19.0		ug/L		95	52 - 162
1,1,1,2-Tetrachloroethane	20.0	20.6		ug/L		103	46 - 157
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	52 - 150

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-521720/5

Matrix: Water

Analysis Batch: 521720

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	19.9		ug/L		100	59 - 155
1,1-Dichloroethene	20.0	19.7		ug/L		98	1 - 234
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	18 - 190
1,2-Dichloroethane	20.0	19.5		ug/L		98	49 - 155
1,2-Dichloropropane	20.0	19.7		ug/L		98	1 - 210
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	59 - 156
1,4-Dichlorobenzene	20.0	20.1		ug/L		100	18 - 190
2-Chloroethyl vinyl ether	20.0	19.9 J		ug/L		100	1 - 305
Benzene	20.0	19.5		ug/L		98	37 - 151
Bromodichloromethane	20.0	18.9		ug/L		94	35 - 155
Bromoform	20.0	17.7		ug/L		89	45 - 169
Bromomethane	20.0	20.4		ug/L		102	1 - 242
Carbon tetrachloride	20.0	18.9		ug/L		95	70 - 140
Chlorobenzene	20.0	19.8		ug/L		99	37 - 160
Chloroethane	20.0	20.3		ug/L		102	14 - 230
Chloroform	20.0	19.8		ug/L		99	51 - 138
Chloromethane	20.0	18.7		ug/L		93	1 - 273
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	1 - 227
Dibromochloromethane	20.0	18.2		ug/L		91	53 - 149
Ethylbenzene	20.0	19.7		ug/L		99	37 - 162
Methylene Chloride	20.0	19.1		ug/L		95	1 - 221
Tetrachloroethene	20.0	19.0		ug/L		95	64 - 148
Toluene	20.0	19.2		ug/L		96	47 - 150
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	17 - 183
Trichloroethene	20.0	19.3		ug/L		96	71 - 157
Trichlorofluoromethane	20.0	19.7		ug/L		98	17 - 181
Vinyl chloride	20.0	19.0		ug/L		95	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		68 - 130
4-Bromofluorobenzene (Surr)	110		76 - 123
Dibromofluoromethane (Surr)	98		75 - 123
Toluene-d8 (Surr)	98		77 - 120

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-522259/1-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		03/19/20 15:17	03/23/20 16:02	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		03/19/20 15:17	03/23/20 16:02	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		03/19/20 15:17	03/23/20 16:02	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		03/19/20 15:17	03/23/20 16:02	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-522259/1-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,4-Dinitrophenol	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
2-Chloronaphthalene	ND		20	0.91	ug/L		03/19/20 15:17	03/23/20 16:02	1
2-Chlorophenol	ND		20	0.66	ug/L		03/19/20 15:17	03/23/20 16:02	1
2-Nitrophenol	ND		20	0.70	ug/L		03/19/20 15:17	03/23/20 16:02	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		03/19/20 15:17	03/23/20 16:02	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		03/19/20 15:17	03/23/20 16:02	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 16:02	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 16:02	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 16:02	1
4-Nitrophenol	ND		40	10	ug/L		03/19/20 15:17	03/23/20 16:02	1
Acenaphthene	ND		20	0.81	ug/L		03/19/20 15:17	03/23/20 16:02	1
Acenaphthylene	ND		20	0.87	ug/L		03/19/20 15:17	03/23/20 16:02	1
Aniline	ND		40	1.5	ug/L		03/19/20 15:17	03/23/20 16:02	1
Anthracene	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzidine	ND		320	35	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzo[a]anthracene	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzo[a]pyrene	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 16:02	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		03/19/20 15:17	03/23/20 16:02	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		03/19/20 15:17	03/23/20 16:02	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		03/19/20 15:17	03/23/20 16:02	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		03/19/20 15:17	03/23/20 16:02	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		03/19/20 15:17	03/23/20 16:02	1
Chrysene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 16:02	1
Diethyl phthalate	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Dimethyl phthalate	ND		20	0.91	ug/L		03/19/20 15:17	03/23/20 16:02	1
Di-n-butyl phthalate	ND		20	1.6	ug/L		03/19/20 15:17	03/23/20 16:02	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 16:02	1
Fluoranthene	ND		20	1.6	ug/L		03/19/20 15:17	03/23/20 16:02	1
Fluorene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Hexachlorobenzene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Hexachlorobutadiene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
Hexachloroethane	ND		20	0.60	ug/L		03/19/20 15:17	03/23/20 16:02	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		03/19/20 15:17	03/23/20 16:02	1
Isophorone	ND		20	0.74	ug/L		03/19/20 15:17	03/23/20 16:02	1
Naphthalene	ND		20	0.86	ug/L		03/19/20 15:17	03/23/20 16:02	1
Decane	ND		40	1.6	ug/L		03/19/20 15:17	03/23/20 16:02	1
Nitrobenzene	ND		20	0.81	ug/L		03/19/20 15:17	03/23/20 16:02	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		03/19/20 15:17	03/23/20 16:02	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		03/19/20 15:17	03/23/20 16:02	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		03/19/20 15:17	03/23/20 16:02	1
n-Octadecane	ND		40	1.2	ug/L		03/19/20 15:17	03/23/20 16:02	1
Pentachlorophenol	ND		40	5.4	ug/L		03/19/20 15:17	03/23/20 16:02	1
Phenanthrene	ND		20	1.2	ug/L		03/19/20 15:17	03/23/20 16:02	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-522259/1-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		20	0.35	ug/L		03/19/20 15:17	03/23/20 16:02	1
Pyrene	ND		20	1.4	ug/L		03/19/20 15:17	03/23/20 16:02	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		03/19/20 15:17	03/23/20 16:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		52 - 151	03/19/20 15:17	03/23/20 16:02	1
2-Fluorobiphenyl	82		44 - 120	03/19/20 15:17	03/23/20 16:02	1
2-Fluorophenol	63		17 - 120	03/19/20 15:17	03/23/20 16:02	1
Nitrobenzene-d5	77		15 - 314	03/19/20 15:17	03/23/20 16:02	1
Phenol-d5	48		8 - 424	03/19/20 15:17	03/23/20 16:02	1
p-Terphenyl-d14	91		22 - 125	03/19/20 15:17	03/23/20 16:02	1

Lab Sample ID: LCS 480-522259/2-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	32.0	21.4	J	ug/L		67	44 - 142
1,2-Dichlorobenzene	32.0	22.2	J	ug/L		69	32 - 129
1,3-Dichlorobenzene	32.0	21.5	J	ug/L		67	1 - 172
1,4-Dichlorobenzene	32.0	21.7	J	ug/L		68	20 - 124
2,2'-oxybis[1-chloropropane]	32.0	25.1		ug/L		79	36 - 166
2,4,6-Trichlorophenol	32.0	25.2		ug/L		79	37 - 144
2,4-Dichlorophenol	32.0	24.8		ug/L		77	39 - 135
2,4-Dimethylphenol	32.0	25.0		ug/L		78	32 - 120
2,4-Dinitrophenol	64.0	49.1		ug/L		77	1 - 191
2,4-Dinitrotoluene	32.0	25.4		ug/L		79	39 - 139
2-Chloronaphthalene	32.0	22.6		ug/L		71	60 - 120
2-Chlorophenol	32.0	23.3		ug/L		73	23 - 134
2-Nitrophenol	32.0	24.4		ug/L		76	29 - 182
3,3'-Dichlorobenzidine	64.0	51.1		ug/L		80	1 - 262
4,6-Dinitro-2-methylphenol	64.0	47.8		ug/L		75	1 - 181
4-Bromophenyl phenyl ether	32.0	23.5		ug/L		73	53 - 127
4-Chloro-3-methylphenol	32.0	26.4		ug/L		83	22 - 147
4-Chlorophenyl phenyl ether	32.0	23.7		ug/L		74	25 - 158
4-Nitrophenol	64.0	40.7		ug/L		64	1 - 132
Acenaphthene	32.0	23.4		ug/L		73	47 - 145
Acenaphthylene	32.0	24.1		ug/L		75	33 - 145
Aniline	32.0	19.6	J	ug/L		61	40 - 120
Anthracene	32.0	23.4		ug/L		73	27 - 133
Benzo[a]anthracene	32.0	24.4		ug/L		76	33 - 143
Benzo[a]pyrene	32.0	24.3		ug/L		76	17 - 163
Benzo[b]fluoranthene	32.0	25.3		ug/L		79	24 - 159
Benzo[g,h,i]perylene	32.0	25.2		ug/L		79	1 - 219
Benzo[k]fluoranthene	32.0	24.0		ug/L		75	11 - 162
Bis(2-chloroethoxy)methane	32.0	25.2		ug/L		79	33 - 184
Bis(2-chloroethyl)ether	32.0	24.4		ug/L		76	12 - 158
Bis(2-ethylhexyl) phthalate	32.0	25.8	J	ug/L		81	8 - 158

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-522259/2-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	32.0	26.3		ug/L		82	1 - 152
Chrysene	32.0	25.1		ug/L		78	17 - 168
Dibenz(a,h)anthracene	32.0	25.9		ug/L		81	1 - 227
Diethyl phthalate	32.0	25.4		ug/L		79	1 - 120
Dimethyl phthalate	32.0	25.2		ug/L		79	1 - 120
Di-n-butyl phthalate	32.0	24.4		ug/L		76	1 - 120
Di-n-octyl phthalate	32.0	27.3		ug/L		85	4 - 146
Fluoranthene	32.0	22.9		ug/L		72	26 - 137
Fluorene	32.0	24.4		ug/L		76	59 - 121
Hexachlorobenzene	32.0	23.2		ug/L		73	1 - 152
Hexachlorocyclopentadiene	32.0	21.0		ug/L		66	5 - 120
Hexachloroethane	32.0	21.4		ug/L		67	40 - 120
Indeno[1,2,3-cd]pyrene	32.0	25.3		ug/L		79	1 - 171
Isophorone	32.0	25.2		ug/L		79	21 - 196
Naphthalene	32.0	22.5		ug/L		70	21 - 133
Nitrobenzene	32.0	24.0		ug/L		75	35 - 180
N-Nitrosodi-n-propylamine	32.0	26.1		ug/L		81	1 - 230
N-Nitrosodiphenylamine	32.0	24.9		ug/L		78	54 - 125
Pentachlorophenol	64.0	42.4		ug/L		66	14 - 176
Phenanthrene	32.0	24.1		ug/L		75	54 - 120
Phenol	32.0	15.9	J	ug/L		50	5 - 120
Pyrene	32.0	23.9		ug/L		75	52 - 120
2,6-Dinitrotoluene	32.0	24.9		ug/L		78	50 - 158

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	76		52 - 151
2-Fluorobiphenyl	73		44 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	76		15 - 314
Phenol-d5	50		8 - 424
p-Terphenyl-d14	80		22 - 125

Lab Sample ID: LCSD 480-522259/3-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	32.0	23.4	J	ug/L		73	44 - 142	9	34
1,2-Dichlorobenzene	32.0	24.1	J	ug/L		75	32 - 129	8	38
1,3-Dichlorobenzene	32.0	23.3	J	ug/L		73	1 - 172	8	37
1,4-Dichlorobenzene	32.0	23.7	J	ug/L		74	20 - 124	9	40
2,2'-oxybis[1-chloropropane]	32.0	26.5		ug/L		83	36 - 166	5	36
2,4,6-Trichlorophenol	32.0	27.9		ug/L		87	37 - 144	10	20
2,4-Dichlorophenol	32.0	27.1		ug/L		85	39 - 135	9	23
2,4-Dimethylphenol	32.0	27.3		ug/L		85	32 - 120	9	18
2,4-Dinitrophenol	64.0	55.9		ug/L		87	1 - 191	13	29
2,4-Dinitrotoluene	32.0	27.7		ug/L		87	39 - 139	9	20
2-Chloronaphthalene	32.0	25.2		ug/L		79	60 - 120	11	30

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-522259/3-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	32.0	25.0		ug/L		78	23 - 134	7	26
2-Nitrophenol	32.0	27.0		ug/L		84	29 - 182	10	28
3,3'-Dichlorobenzidine	64.0	55.6		ug/L		87	1 - 262	8	31
4,6-Dinitro-2-methylphenol	64.0	52.6		ug/L		82	1 - 181	9	30
4-Bromophenyl phenyl ether	32.0	25.7		ug/L		80	53 - 127	9	16
4-Chloro-3-methylphenol	32.0	28.2		ug/L		88	22 - 147	6	16
4-Chlorophenyl phenyl ether	32.0	26.0		ug/L		81	25 - 158	9	15
4-Nitrophenol	64.0	43.7		ug/L		68	1 - 132	7	24
Acenaphthene	32.0	25.5		ug/L		80	47 - 145	9	25
Acenaphthylene	32.0	26.8		ug/L		84	33 - 145	10	22
Aniline	32.0	19.1	J	ug/L		60	40 - 120	2	30
Anthracene	32.0	24.9		ug/L		78	27 - 133	6	15
Benzo[a]anthracene	32.0	26.7		ug/L		84	33 - 143	9	15
Benzo[a]pyrene	32.0	26.4		ug/L		82	17 - 163	8	15
Benzo[b]fluoranthene	32.0	27.1		ug/L		85	24 - 159	7	17
Benzo[g,h,i]perylene	32.0	27.7		ug/L		87	1 - 219	10	19
Benzo[k]fluoranthene	32.0	26.4		ug/L		83	11 - 162	9	19
Bis(2-chloroethoxy)methane	32.0	27.5		ug/L		86	33 - 184	9	23
Bis(2-chloroethyl)ether	32.0	26.1		ug/L		82	12 - 158	7	33
Bis(2-ethylhexyl) phthalate	32.0	28.5	J	ug/L		89	8 - 158	10	15
Butyl benzyl phthalate	32.0	29.7		ug/L		93	1 - 152	12	15
Chrysene	32.0	26.9		ug/L		84	17 - 168	7	15
Dibenz(a,h)anthracene	32.0	28.2		ug/L		88	1 - 227	9	18
Diethyl phthalate	32.0	27.5		ug/L		86	1 - 120	8	15
Dimethyl phthalate	32.0	27.5		ug/L		86	1 - 120	9	15
Di-n-butyl phthalate	32.0	26.4		ug/L		82	1 - 120	8	15
Di-n-octyl phthalate	32.0	29.4		ug/L		92	4 - 146	7	15
Fluoranthene	32.0	25.0		ug/L		78	26 - 137	9	15
Fluorene	32.0	26.4		ug/L		83	59 - 121	8	18
Hexachlorobenzene	32.0	25.0		ug/L		78	1 - 152	7	15
Hexachlorocyclopentadiene	32.0	23.3		ug/L		73	5 - 120	10	50
Hexachloroethane	32.0	23.3		ug/L		73	40 - 120	8	43
Indeno[1,2,3-cd]pyrene	32.0	27.4		ug/L		86	1 - 171	8	17
Isophorone	32.0	27.2		ug/L		85	21 - 196	8	21
Naphthalene	32.0	24.4		ug/L		76	21 - 133	8	31
Nitrobenzene	32.0	26.0		ug/L		81	35 - 180	8	27
N-Nitrosodi-n-propylamine	32.0	28.1		ug/L		88	1 - 230	8	23
N-Nitrosodiphenylamine	32.0	26.5		ug/L		83	54 - 125	7	15
Pentachlorophenol	64.0	47.5		ug/L		74	14 - 176	11	21
Phenanthrene	32.0	26.0		ug/L		81	54 - 120	8	16
Phenol	32.0	17.1	J	ug/L		53	5 - 120	7	36
Pyrene	32.0	26.4		ug/L		83	52 - 120	10	15
2,6-Dinitrotoluene	32.0	27.9		ug/L		87	50 - 158	11	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	82		52 - 151
2-Fluorobiphenyl	81		44 - 120
2-Fluorophenol	64		17 - 120

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-522259/3-A

Matrix: Water

Analysis Batch: 522600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522259

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	83		15 - 314
Phenol-d5	53		8 - 424
p-Terphenyl-d14	89		22 - 125

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-522257/1-A

Matrix: Water

Analysis Batch: 522338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522257

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1221	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1232	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1242	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1248	ND		0.060	0.038	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1254	ND		0.060	0.031	ug/L		03/19/20 15:06	03/20/20 09:31	1
PCB-1260	ND		0.060	0.031	ug/L		03/19/20 15:06	03/20/20 09:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	87		36 - 121	03/19/20 15:06	03/20/20 09:31	1
Tetrachloro-m-xylene	72		42 - 135	03/19/20 15:06	03/20/20 09:31	1

Lab Sample ID: LCS 480-522257/2-A

Matrix: Water

Analysis Batch: 522338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522257

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
PCB-1016	1.00	1.04		ug/L		104	69 - 123
PCB-1260	1.00	0.952		ug/L		95	69 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	76		36 - 121
Tetrachloro-m-xylene	71		42 - 135

Lab Sample ID: LCSD 480-522257/3-A

Matrix: Water

Analysis Batch: 522338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522257

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits	RPD	Limit
PCB-1016	1.00	1.07		ug/L		107	69 - 123	3	30
PCB-1260	1.00	0.972		ug/L		97	69 - 120	2	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	75		36 - 121
Tetrachloro-m-xylene	73		42 - 135

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-521889/1-A

Matrix: Water

Analysis Batch: 522153

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		03/18/20 08:33	03/18/20 15:06	1
Copper	0.00197	J	0.010	0.0016	mg/L		03/18/20 08:33	03/18/20 15:06	1
Lead	ND		0.010	0.0030	mg/L		03/18/20 08:33	03/18/20 15:06	1
Nickel	ND		0.010	0.0013	mg/L		03/18/20 08:33	03/18/20 15:06	1
Zinc	0.00204	J	0.010	0.0015	mg/L		03/18/20 08:33	03/18/20 15:06	1

Lab Sample ID: LCS 480-521889/2-A

Matrix: Water

Analysis Batch: 522153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.202		mg/L		101	85 - 115
Copper	0.200	0.190		mg/L		95	85 - 115
Lead	0.200	0.186		mg/L		93	85 - 115
Nickel	0.200	0.188		mg/L		94	85 - 115
Zinc	0.200	0.194		mg/L		97	85 - 115

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-521975/1-A

Matrix: Water

Analysis Batch: 522025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/18/20 11:26	03/18/20 14:22	1

Lab Sample ID: LCS 480-521975/2-A

Matrix: Water

Analysis Batch: 522025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00735		mg/L		110	85 - 115

## Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-521879/1-A

Matrix: Water

Analysis Batch: 522002

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.00946	J	0.010	0.0050	mg/L		03/17/20 20:11	03/18/20 11:21	1

Lab Sample ID: LCS 480-521879/2-A

Matrix: Water

Analysis Batch: 522002

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0966		mg/L		97	90 - 110

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-522290/1

Matrix: Water

Analysis Batch: 522290

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/19/20 18:52	1

Lab Sample ID: LCS 480-522290/2

Matrix: Water

Analysis Batch: 522290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	248	241.6		mg/L		97	88 - 110

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-521855/1

Matrix: Water

Analysis Batch: 521855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.1		SU		101	99 - 101

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-522816/3

Matrix: Water

Analysis Batch: 522816

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			03/24/20 12:48	1

Lab Sample ID: LCS 480-522816/4

Matrix: Water

Analysis Batch: 522816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.184		mg/L as P		92	90 - 110

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-521890/1

Matrix: Water

Analysis Batch: 521890

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			03/18/20 02:29	1

Lab Sample ID: LCS 480-521890/2

Matrix: Water

Analysis Batch: 521890

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	178.1		mg/L		90	85 - 115

Eurofins TestAmerica, Buffalo



## QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

### GC/MS VOA

#### Analysis Batch: 521720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	624.1	
480-167509-2	TRIP BLANK	Total/NA	Water	624.1	
MB 480-521720/7	Method Blank	Total/NA	Water	624.1	
LCS 480-521720/5	Lab Control Sample	Total/NA	Water	624.1	

### GC/MS Semi VOA

#### Prep Batch: 522259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	625	
MB 480-522259/1-A	Method Blank	Total/NA	Water	625	
LCS 480-522259/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-522259/3-A	Lab Control Sample Dup	Total/NA	Water	625	

#### Analysis Batch: 522600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	625.1	522259
MB 480-522259/1-A	Method Blank	Total/NA	Water	625.1	522259
LCS 480-522259/2-A	Lab Control Sample	Total/NA	Water	625.1	522259
LCSD 480-522259/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	522259

### GC Semi VOA

#### Prep Batch: 522257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	3510C	
MB 480-522257/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522257/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-522257/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

#### Analysis Batch: 522338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	608.3	522257
MB 480-522257/1-A	Method Blank	Total/NA	Water	608.3	522257
LCS 480-522257/2-A	Lab Control Sample	Total/NA	Water	608.3	522257
LCSD 480-522257/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	522257

### Metals

#### Prep Batch: 521889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	200.7	
MB 480-521889/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-521889/2-A	Lab Control Sample	Total/NA	Water	200.7	

#### Prep Batch: 521975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	245.1	
MB 480-521975/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-521975/2-A	Lab Control Sample	Total/NA	Water	245.1	

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

## Metals

### Analysis Batch: 522025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	245.1	521975
MB 480-521975/1-A	Method Blank	Total/NA	Water	245.1	521975
LCS 480-521975/2-A	Lab Control Sample	Total/NA	Water	245.1	521975

### Analysis Batch: 522153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	200.7 Rev 4.4	521889
MB 480-521889/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	521889
LCS 480-521889/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	521889

## General Chemistry

### Analysis Batch: 521855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 H+ B	
LCS 480-521855/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Prep Batch: 521879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	Distill/Phenol	
MB 480-521879/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-521879/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	

### Analysis Batch: 521890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	SM 5210B	
USB 480-521890/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-521890/2	Lab Control Sample	Total/NA	Water	SM 5210B	

### Analysis Batch: 522002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	420.1	521879
MB 480-521879/1-A	Method Blank	Total/NA	Water	420.1	521879
LCS 480-521879/2-A	Lab Control Sample	Total/NA	Water	420.1	521879

### Analysis Batch: 522290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	SM 2540D	
MB 480-522290/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-522290/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 522611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 CN G	

### Analysis Batch: 522816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167509-1	BCC BSA SUMP_0320	Total/NA	Water	SM 4500 P E	
MB 480-522816/3	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-522816/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

**Client Sample ID: BCC BSA SUMP\_0320**

**Lab Sample ID: 480-167509-1**

**Date Collected: 03/16/20 15:20**

**Matrix: Water**

**Date Received: 03/16/20 16:25**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	521720	03/17/20 15:50	WJD	TAL BUF
Total/NA	Prep	625			522259	03/19/20 15:17	ATG	TAL BUF
Total/NA	Analysis	625.1		1	522600	03/23/20 17:28	JMM	TAL BUF
Total/NA	Prep	3510C			522257	03/19/20 15:06	ATG	TAL BUF
Total/NA	Analysis	608.3		1	522338	03/20/20 10:10	W1T	TAL BUF
Total/NA	Prep	200.7			521889	03/18/20 08:33	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	522153	03/18/20 15:54	LMH	TAL BUF
Total/NA	Prep	245.1			521975	03/18/20 11:26	BMB	TAL BUF
Total/NA	Analysis	245.1		1	522025	03/18/20 14:28	BMB	TAL BUF
Total/NA	Prep	Distill/Phenol			521879	03/17/20 20:11	E1T	TAL BUF
Total/NA	Analysis	420.1		1	522002	03/18/20 11:22	KEB	TAL BUF
Total/NA	Analysis	SM 2540D		1	522290	03/19/20 18:52	CSS	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	522611	03/18/20 15:12	DLG	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	521855	03/17/20 15:46	BEF	TAL BUF
Total/NA	Analysis	SM 4500 P E		5	522816	03/24/20 12:48	CRK	TAL BUF
Total/NA	Analysis	SM 5210B		1	521890	03/18/20 02:29	EY	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-167509-2**

**Date Collected: 03/16/20 00:00**

**Matrix: Water**

**Date Received: 03/16/20 16:25**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	521720	03/17/20 16:15	WJD	TAL BUF

## Laboratory References:

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

## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

## Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.1	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF
Distill/Phenol	Distillation, Phenolics	None	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

Job ID: 480-167509-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167509-1	BCC BSA SUMP_0320	Water	03/16/20 15:20	03/16/20 16:25	
480-167509-2	TRIP BLANK	Water	03/16/20 00:00	03/16/20 16:25	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.

Job ID: 480-167509-1

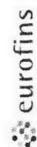
Project/Site: 37745-Buffalo Color- Quarterly BSA SUMP

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10



## Chain of Custody Record



<b>Client Information</b> Client Contact: <u>Tom Wagner</u> Company: Ontario Specialty Contracting, Inc. Address: 333 Ganson St. City: Buffalo State: NY, Zip: 14203 Phone: <u>716-856-3333</u> Email: <u>amadden@oscinc.com</u> Project Name: OSC- Former Buffalo Color Sites/ Event Desc: Buffalo Color - Qu Site: <u>New Jersey</u>		Lab PM: <u>Schove, John R</u> E-Mail: <u>john.schove@testamericainc.com</u> Carrier Tracking No(s): <u>OSC</u> COC No: 480-143559-6057.1 Page: Page 1 of 1 Job #:	
Due Date Requested: <u>1 Wk - 5 days</u> TAT Requested (days): PO #: <u>61843</u> WO #:		Analysis Requested 4500 P.E. - Phosphorus 200.7, 245.1 420.4 - Phenolics, Total Recoverable 624.5ml - Priority Pollutant List - VOA - 62 608 PCB - Priority Pollutant PCBs 625 - Priority Pollutant List - SVOA - 6 5210B - Biochemical Oxygen Demand 2540D - Total Suspended Solids SM4500CN_G_Calc - Cyanide, Amenable SM4500_H+ - pH	
Sample Identification BCC BSA SUMP - 0320 Trip Blank		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 4500 P.E. - Phosphorus 200.7, 245.1 420.4 - Phenolics, Total Recoverable 624.5ml - Priority Pollutant List - VOA - 62 608 PCB - Priority Pollutant PCBs 625 - Priority Pollutant List - SVOA - 6 5210B - Biochemical Oxygen Demand 2540D - Total Suspended Solids SM4500CN_G_Calc - Cyanide, Amenable SM4500_H+ - pH	
Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air) Preservation Code:		Total Number of Containers J - EDTA K - EDTA L - EDTA Z - other (specify) Other:	
Special Instructions/Note:		Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by: <u>Tom Wagner</u> Date: <u>9-16-20</u> 1625 Relinquished by: <u>Tom Wagner</u> Date: <u>9-16-20</u> 1625 Relinquished by: <u>Tom Wagner</u> Date: <u>9-16-20</u> 1625 Relinquished by: <u>Tom Wagner</u> Date: <u>9-16-20</u> 1625			
Custody Seals Intact: <u>Yes</u> <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Temperature(s) °C and Other Remarks: <u>7.4 # ICE</u>			



## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-167509-1

**Login Number: 167509**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Wallace, Cameron**

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	

## **Field Data Collection Sheets**

Buffalo Color GWTF Weekly Process Assessment																												
		Bag Filter F-1A/1B		Bag Filter F-2A/2B		Multi-Media Filter F-30		LGAC CA-40 and CA-41						Effluent Tank No. 1 T-28				Effluent Tank No. 2 T-27				Discharge Lines To BSA Sump						Column1
Date	Associate	Influent Pressure PI-1A	Effluent Pressure PI-1B	Influent Pressure PI-107A	Effluent Pressure PI-107B	Influent Pressure PI-30A	Effluent Pressure PI-30B	Flow Rate FE-60	Lead Influent Pressure PI-40A	Lead Effluent Pressure PI-40B	Lag Influent Pressure PI-41A	Lag Effluent Pressure PI-41B	PH Meter	Pressure PI-106A/B	Flow Rate FE-106	Totalizer FE-106	Pressure PI-106C	Flow Rate FE-107	Totalizer FE-107	Pressure PI-107C	Leak Detection Vault No. 1 Pressure PI-106D	Leak Detection Vault No. 1 Pressure PI-107D	Leak Detection Vault No. 3 Pressure PI-106E	Leak Detection Vault No. 3 Pressure PI-107E	Containment Line Pressure Gauge Checks			
1/10/2020	TW	45	44	33	18	40	38	20	34	28	29	26	7.64	22	19.1	28,115,148	22	19.2	4,985	16	5	11	1	3	y	28120133		
1/17/2020	TW	45	44	33	24	40	37	20.1	35	29	31	26	7.71	22	20.2	28,190,544	22	24.3	14,310	23	6	12	1	4	y	28204854		
1/24/2020	TW	45	44	33	22	40	36	20.7	36	30	32	26	7.63	23	20.7	28,260,388	24	24.4	22,269	17	4	9	1	2	y	28282657		
1/31/2020	TW	44	44	33	21	40	35	20.1	35	29	31	27	7.63	22	20.3	28,337,784	22	23.6	31,348	14	3	8	1	1	y	28369132		
2/7/2020	TW	44	41	33	25	37	34	20.1	35	30	31	27	7.76	22	20.2	28,390,328	22	25.5	39,852	24	5	11	1	3	y	28430180		
2/14/2020	TW	45	40	33	25	35	33	19.5	33	28	30	25	7.73	21	19.6	28,468,308	21	24.5	48,435	23	4	10	1	2	y	28516743		
2/21/2020	TW	45	43	32	22	39	35	20.1	36	30	32	27	7.72	23	20.2	28,546,916	23	24.4	55,297	21	2	10	1	1	y	28602213		
3/2/2020	TW	45	38	32	23	34	29	20.4	30	24	26	21	7.96	17	20.4	28,657,942	17	22.6	67,454	23	5	12	0	3	y	28725396		
3/6/2020	TW	44	22	32	24	38	35	22.1	34	29	30	25	7.66	21	22.2	28,702,882	20	23.6	72,822	22	1	10	1	1	y	28775704		
3/9/2020	TW															28,734,976			76,060							28811036		
3/30/2020	TW	45	38	33	21	34	30	21.5	32	27	29	24	7.68	19	21.5	28,766,108	20	19.3	80,429	16	4	9	1	0	y	28846537		

Buffalo Color Area A Observation Well Levels and Extraction Well Readings																														
MONTHLY READINGS			Observation Wells - Distance Between Water Level and Top of Well Casing (ft)												A-EW-1								A-EW-2							
															Flow Panel				Pump Control Panel			Extraction Well	Flow Panel			Pump Control Panel			Extraction Well	
Buffalo Color Area A Observation Well Levels and	Associate	Buffalo River Stadia Rod (ft)	A-OW-II	A-OW-IE	A-OW-2I	A-OW-2E	A-OW-3I	A-OW-3E	A-OW-4I	A-OW-4E	A-OW-5I	A-OW-5E	A-OW-6I	A-OW-6E	A-EW-1 Totalizer (gal)	A-EW-1 Flow Rate (gpm)	A-EW-1 Flow Panel PI (psi)	A-EW-1 SP (ft)	A-EW-1 PV (ft)	A-EW-1 VFD (Hz)	A-EW-1 Well Head PI (psi)	A-EW-1 DTW (ft)	A-EW-2 Totalizer (gal)	A-EW-2 Flow Rate (gpm)	A-EW-2 Flow Panel PI (psi)	A-EW-2 SP (ft)	A-EW-2 PV (ft)	A-EW-2 VFD (Hz)	A-EW-2 Well Head PI (psi)	A-EW-2 DTW (ft)
1/14/2020	TW	4.2	10.64	10.45	11.58	11.28	11.05	11.97	11.14	12.36	10.54	9.95	13.18	11.94	31,812,936	8.13	4	7.2	10.5	60	14	10.81	6,356,580	0.59	0	1	1	25.7	11	22.23
2/12/2020	TW	4.6	10.56	9.50	11.38	10.1	10.98	10.93	11.10	11.51	10.37	9.44	12.95	11.36	32,118,122	8.17	4	7.2	10.8	60	13	10.49	6,378,701	0.59	0	1	1	25.5	11	22.23
3/9/2020	TW														32,420,960								6,400,011							
3/31/2020	TW	4.2	9.90	9.25	10.83	9.83	10.52	10.68	11.71	11.15	10.02	8.89	12.66	10.96	32,487,578	8.18	4	7.2	11.2	60	13	10.12	6,405,454	0.62	0	1	1	26.8	11	22.21

Buffalo Color Area A Observation Well Levels and Extraction Well Readings

A-EW-3A							A-EW-4							A-EW-5							Set Point (SP) Process Variable (PV) Variable Frequency Drive (VFD) Pressure Indicator (PI) Depth To Water (DTW)				
Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel					Extraction Well	
A-EW-3A Totalizer (gal)	A-EW-3A Flow Rate (gpm)	A-EW-3A Flow Panel PI (psi)	A-EW-3A SP (ft)	A-EW-3A PV (ft)	A-EW-3A VFD (Hz)	A-EW-3A Well Head PI (psi)	A-EW-3A DTW (ft)	A-EW-4 Totalizer (gal)	A-EW-4 Flow Panel PI (psi)	A-EW-4 Flow Rate (gpm)	A-EW-4 SP (ft)	A-EW-4 PV (ft)	A-EW-4 VFD (Hz)	A-EW-4 Well Head PI (psi)	A-EW-4 DTW (ft)	A-EW-5 Totalizer (gal)	A-EW-5 Flow Rate (gpm)	A-EW-5 Flow Panel PI (psi)	A-EW-5 SP (ft)	A-EW-5 PV (ft)	A-EW-5 VFD (Hz)	A-EW-5 Well Head PI (psi)	A-EW-5 DTW (ft)	Comments	
13,488,091	0.65	0	1.2	1.2	21.5	5	22.28	6,630,545	0.45	0	1.5	1.5	23.3	4	22.58	5,140,385	0.63	3	1.5	1.5	36.2	5	21.82		
13,513,544	0.6	0	1.2	1.2	20.9	5	22.24	6,640,746	0.44	0	1.5	1.5	27.2	5	22.66	5,163,358	0.79	2	1.5	1.5	48.2	5	21.77		
13,532,226								6,649,154								5,187,011									Shut System down- 3/9/20
13,536,797	0.53	0	1.2	1.2	20.7	5	22.13	6,651,610	0.47	0	1.5	1.5	25.7	7	22.84	5,192,956	0.65	3	1.5	1.5	37.6	5	21.8		System start up- 3/27/20

**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
1/1/2020													
1/2/2020													
1/3/2020								1	1	1			
1/4/2020													
1/5/2020													
1/6/2020					1	1		1	2	2			Clean Tank #10, lines for #1&5
1/7/2020								1	1				
1/8/2020						1		1	1	1			Run D well pumps
1/9/2020					1			1	2	2			Drain tank #10, acid clean
1/10/2020					1	1		1	1		1		
1/11/2020													
1/12/2020													
1/13/2020								1	1	1			
1/14/2020					1			1					
1/15/2020								1	1	1			
1/16/2020							1	1		1			
1/17/2020					1	1		1	1				
1/18/2020													
1/19/2020													
1/20/2020					1			1	1	1			
1/21/2020								1	1				
1/22/2020					1			1					
1/23/2020													
1/24/2020					1	1		1	1	1			
1/25/2020													
1/26/2020													
1/27/2020					1			1	1	1			
1/28/2020								1					
1/29/2020					1			1		1			
1/30/2020							1	1	1				
1/31/2020					1	1		1		1	1		
2/1/2020													
2/2/2020													
2/3/2020					1			1	1	1			
2/4/2020								1					
2/5/2020				1									New Media MMF
2/6/2020					1			1	1	1			
2/7/2020					1	1		1		1	1		
2/8/2020													
2/9/2020													
2/10/2020					1			1	1	1			
2/11/2020									1				
2/12/2020					1	1		1		1			
2/13/2020								1	1				Bleach clean #5 well
2/14/2020					1	1		1		1			
2/15/2020													
2/16/2020													
2/17/2020					1		1	1	1	1	1	1	Gac #2 Acid flush
2/18/2020			X				1		3	2			Carbon change Gac #2
2/19/2020							1	1	2	2			
2/20/2020									1	1			
2/21/2020					1	1	1	1	1				
2/22/2020													
2/23/2020													
2/24/2020					1			1	1	1			
2/25/2020								1					

**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
2/26/2020							1	1		1			Sump Sample
2/27/2020								1					
2/28/2020					1	1		1	1	1			
2/29/2020													
3/1/2020													
3/2/2020					1		1	1	2	2	1		Clean Tank#10, lines for #1&5
3/3/2020					1			1	1	1			
3/4/2020								1					
3/5/2020					1			1					
3/6/2020					1	1		1	1	1			
3/7/2020								1		1			
3/8/2020								1	1				
3/9/2020													Shut System down
3/10/2020	X												Carbon Change(Cyclesorb)
3/11/2020													
3/12/2020					1			1	1	1			
3/13/2020													
3/14/2020													
3/15/2020													
3/16/2020													
3/17/2020													
3/18/2020													
3/19/2020													
3/20/2020													
3/21/2020													
3/22/2020													
3/23/2020													
3/24/2020													
3/25/2020													
3/26/2020													
3/27/2020									2	1			Restart system
3/28/2020													
3/29/2020													
3/30/2020					1			1	1	1			
3/31/2020										1			



July 31, 2020

Michael Szilagyi  
Industrial Waste Administrator  
Buffalo Sewer Authority  
90 West Ferry Street  
Buffalo, New York, 14213

**Subject: South Buffalo Development Corporation, LLC  
Former Buffalo Color Corporation Site  
Permit #20-06-BU109  
OSC Project ID: 16011**

Dear Mr. Szilagyi:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting the Discharge Monitoring Report for the Buffalo Color Remediation Site covering the period of April 1 through June 30, 2020. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #20-06-BU109.

Included with the report are:

- Operation log sheets;
- A copy of the current BSA discharge permit;
- Schematic showing the location for monitoring and sampling;
- Summary of the discharge flow by month;
- Comparison of analytical data to permit limits; and
- Analytical laboratory results.

During the reporting period, four additional extraction wells were installed on Area A. These wells were installed to increase the draw down adjacent to the barrier wall located along the Buffalo River. A pumping test was completed over three days June 24, June 25, and June 29. A total of 28,988 gallons was sent through the existing system for treatment. Over the next reporting period, some of these wells will be permanently added to the extraction system.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Kirsten Colligan  
Project Manager - *Ontario Specialty Contracting, Inc.*

cc:	Richard Galloway	Honeywell
	Eugene Melnyk	NYSDEC Region 9
	John Yensan	South Buffalo Development, LLC



**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York, 14213**

**B.P.D.E.S. Permit No. #20-06-BU109  
Former Buffalo Color Corporation Site  
South Buffalo Development Corporation LLC (SBD)  
Reporting Period: April 1, 2020 through June 30, 2020**

The following is the discharge data associated with the operations of the former Buffalo Color Corporation Area A and D Groundwater Extraction System throughout the reporting period. A schematic representing the current locations for discharge sampling is provided as an attachment. The monthly flow data presented is based upon flow data from the EW-1, EW-2, EW-3, EW-4, and EW-5 flow totalizers, plus any flow from the Area D well pumping. Additionally, the 28,988 gallons from the pumping test is included in the total. All samples gathered were grab samples and analysis was provided by TestAmerica located in Amherst, NY. The multiple sample analytical results are attached.

Total Flow Data by Month:

April 2020	372,265 gallons
May 2020	514,286 gallons
June 2020	220,223 gallons
 Total Quarterly Discharge	 1,110,036 gallons

Estimated Area D contribution this period:  
3,262 gallons

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Kirsten Colligan  
Project Manager

Ontario Specialty Contracting, Inc.

Attachments:

BSA Permit Analytical Summary Table, BSA Discharge Permit, Monitoring and Sampling Schematic, Laboratory Analytical Results, and Field Data Collection Sheets

**BSA Permit Analytical Summary Table**

**Compliance Confirmation  
Discharge Monitoring Report**

BSA Permit No.	20-06-BU109	Effective June 1, 2017
Sample Date:	5/11/2020	
Sample Location:	Onsite Pump Station to BSA	

Year: 2020  
Month: JUN

Event Group: SUMP  
Lab Job ID: J167185-1

BSA Permit Parameter		Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance	MAID mg/L	Quantity mg/L	Permit Compliance
Chemical	CAS No. / Method ID	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit				
pH	PH	8.2	0.100	SU	8.20	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.029	0.010	mg/L	0.003	lbs/day	1.67	lbs/day	Yes	20	0.029	Yes
Total Chromium	7440-47-3	0.0032	0.0040	mg/L	0.0003	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0027	0.010	mg/L	0.000	lbs/day	0.67	lbs/day	Yes	16	0.0027	Yes
Lead	7439-92-1	0.0031	0.0050	mg/L	0.0003	lbs/day	0.541	lbs/day	Yes	65	0.0031	Yes
Total Mercury	7439-97-6	ND	0.00020	mg/L	ND	lbs/day	0.00033	lbs/day	Yes	0.0008	ND	Yes
Total Nickel	7440-02-0	0.0034	0.010	mg/L	0.0003	lbs/day	1.17	lbs/day	Yes	14	0.0034	Yes
Zinc	7440-66-6	0.0100	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.010	Yes
Amendable Cyanide	CAN	0.0071	0.010	mg/L	0.001	lbs/day	2.59	lbs/day	Yes	6.2	0.007	Yes
Total PCB	Sum Method_E608	ND	0.060	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	7	10	ug/L	0.720	lbs/day	50	lbs/day	Yes	0.01	0.0070	Yes
Benzene	71-43-2	ND	5	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	ND	5	ug/L	ND	lbs/day	0.129	lbs/day	Yes	0.31	ND	Yes
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	20	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	ND	25	ug/L	ND	mg/L	*	mg/L	Yes			
Total Suspended Solids	TSS	4.4	4.0	mg/L	4.4	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	0.68	0.010	mg/L	0.680	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	8.565092593	-	gpm	12,334	gpd	50,000	gpd	Yes			

\*Permit requires reporting of Aniline or Aniline Derivative and Max Individual Purgeables concentrations in excess of 0.01 mg/L

\*\*Analyzed by total phosphorus method SM 4500-P E

MAID - Maximum Allowable Instantaneous Discharge

<b>Flow Calculations</b>		
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)		
Initial Reading	64,274,395	4/1/2020
Final Reading	65,384,431	6/30/2020
Total Days in Period	90	
<b>Total Flow for Period</b>	<b>1,110,036</b>	gallons
<b>Average Flow for Period</b>	<b>8.57</b>	gpm

## **BSA Discharge Permit**



**ADMINISTRATIVE OFFICES**

1038 CITY HALL  
65 NIAGARA SQUARE  
BUFFALO, NY 14202-3378  
PHONE: (716) 851-4664  
FAX: (716) 856-5810

**WASTEWATER TREATMENT PLANT**

FOOT OF WEST FERRY  
90 WEST FERRY STREET  
BUFFALO, NY 14213-1799  
PHONE: (716) 851-4664  
FAX: (716) 883-3789

April 30, 2020

Ms. Kirsten Colligan  
Project Manager  
333 Ganson Street  
Buffalo, New York 14203

RECEIVED MAY 04 2020



**RE: B.P.D.E.S. Permit #20-06-BU109**

Dear Mr. Gabner:

Enclosed is your new BPDES Permit #20-06-BU109. This permit is issued by The Buffalo Sewer Authority.

This original permit must be maintained at your South Park Avenue remediation facility and must be available for inspection at all times. It is your responsibility to assure continual compliance with the terms and conditions of this permit. Finally, you must apply for renewal at least 6 months before this permit expires.

If you have any further questions, please call Mike Szilagyi at 716-851-4664, ext. 5253 or myself at 716-851-4664, ext. 5250.

Very truly yours,  
BUFFALO SEWER AUTHORITY

Leslie Sedita  
Industrial Waste Administrator

cc: D. Rossney  
M. Szilagyi

**AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO  
POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NO. 20-06-BU109  
EPA 40CFR 403**

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, and the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

**South Buffalo Development, LLC.**

to discharge remediated wastewater from the site located at:

**Areas A and D of the former Buffalo Color Corporation Site  
1037 South Park Avenue, Buffalo, New York 14210**

to the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **February 15, 2020** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

**Effective this June 1, 2020**

**To Expire May 31, 2023**

  
\_\_\_\_\_  
**General Manager**

Signed this 30<sup>th</sup> day of APRIL, 20 20

**PART I: SPECIFIC CONDITIONS**

**A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS**

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfalls (see attached maps) shall be limited and monitored **Quarterly** by the permittee as specified below:

Sample		Discharge Limitations		Sampling Requirements	
Point	Parameter	Daily Max	MAID* (mg/L)	Type	Frequency
001	pH <sup>(1)</sup>	5.0 - 12.0 SU		Probe	Quarterly
	Total Flow	50,000 gals		Flow Meter <sup>(2)</sup>	Continuous
	BOD <sub>5</sub>	250 mg/L <sup>(3)</sup>		Composite <sup>(4)</sup>	Quarterly
	Total Suspended Solids	250 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phosphate	15.35 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phenol <sup>(5)</sup>	1.67 lbs	20.0	Composite	Quarterly
	Amenable Cyanide	2.59 lbs	6.2	Grab <sup>(7)</sup>	Quarterly
	Total Mercury	0.00033 lbs	0.0008	Composite	Quarterly
	Total Nickel	1.17 lbs	14.0	Composite	Quarterly
	Total Copper	0.67 lbs	16.0	Composite	Quarterly
	Total Chromium	0.83 lbs	40.0	Composite	Quarterly
	Lead	0.541 lbs	65.0	Composite	Quarterly
	Zinc	2.046 lbs	25.0	Composite	Quarterly
	Purgeables-EPA Test Methods 624	<sup>(6)</sup>		Grab <sup>(7)</sup>	Quarterly
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	<sup>(8)</sup>			Quarterly
	EPA Test Method 608	<sup>(9)</sup>		Grab	Quarterly
	Aniline	50.0 lbs	0.00	Grab	Quarterly
	Benzene	0.059 lbs	0.142 mg/L	Grab	Quarterly
	Chlorobenzene	0.129 lbs	0.310 mg/L	Grab	Quarterly
	1, 2-Dichlorobenzene	0.197 lbs.	0.472 mg/L	Grab	Quarterly
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Grab	Quarterly
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Naphthalene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Anthracene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	Maid*	Type	Frequency
	Fluorene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Phenanthrene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

\*M.A.I.D. – Maximum Allowable Instantaneous Discharge – Slug Limit.  
SEE PAGE FOUR (4) FOR EXPLANATION OF SPECIFIC REQUIREMENTS.



## PART I: SPECIFIC CONDITIONS

### B. DISCHARGE MONITORING REPORTING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported quarterly by the permittee on the days specified below:

Sample Point	Parameter	Reporting	Requirements
001	All Analytes	Initial Report*	Subsequent Reports*
		July 31, 2020	October 31, 2020
			January 31, 2021
			April 30, 2021
			July 31, 2021
			October 31, 2021
			January 31, 2022
			April 30, 2022
			July 31, 2022
			October 31, 2022 **
			January 31, 2023
			April 30, 2023

\* Each reporting dated is for samples collected during the previous quarter.

\*\* The Industrial Discharge Permit Application to renew discharge permit is due six (6) months prior to the expiration of this permit.

## **PART I: SPECIFIC CONDITIONS**

### **C. SPECIAL REQUIREMENTS**

- (1) The pH meter must be calibrated and maintained in accordance with the manufacturer's specifications. The calibrations and the person(s) responsible for it must be recorded in a bound logbook. This logbook must be available for BSA inspection at all times.
- (2) All flow meters must be calibrated and certified by a certified manufacturer's representative at least once per year. This report must be submitted with the annual report. All flow meters must be serviced and maintained in accordance with the manufacturer's specifications. The BSA must be notified of any malfunctions which last for more than 24 hours within three (3) days of the malfunction. If a flow meter, especially at SP001, remains out of service for more than five (5) consecutive days, the permittee must install a temporary meter until such time as the defective meter is repaired or replaced. The BSA at its option, may require a written report on any malfunctions.
- (3) Surchargeable limit only.
- (4) Composite samples may be flow proportioned.
- (5) EPA Test Method 604.
- (6) The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.
- (7) Four grab samples must be properly taken and preserved over an equally spaced time period during a normal discharge day. The four grab samples must be flow proportionally composited at a New York State Department of Health certified lab.
- (8) All samples collected for the base neutral and acid extractable EPA analytical test procedures must go through a special cleanup to prevent aniline and aniline derivative interference of the analytical method. The permittee must report any aniline and aniline derivative whose concentration is greater than 0.01 mg/L.

- (9) The permittee must report any compound whose concentration is greater than 0.30 ug/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.



**BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT  
PART II: GENERAL CONDITIONS**

**A. MONITORING AND REPORTING**

**1. Local Limits**

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

**2. Definitions**

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

**3. Discharge Sampling Analysis**

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

**4. Recording of Results**

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

**5. Additional Monitoring by Permittee**

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

**6. Reporting**

All reports prepared in accordance with this Permit shall be submitted to:

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York 14213**

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

**7. Certification Statement**

All self-monitoring reports shall include the following certification statement, signed by the preparer of the report:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".*

**B. PERMITTEE REQUIREMENTS**

**1. Change in Discharge**

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.



**2. Records Retention**

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

**3. Slug Control Plan**

Upon written notification by the BSA that a slug control plan is necessary for the permittee, the plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines" sheet. Within 90 days of the BSA notification, the permittee must implement the slug control plan

**4. Notification of Slug, Accidental Discharge or Spill**

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM - 3:00 PM call 716-851-4664, ext. 5374. After normal business hours call 716-851-4664, ext. 600. For all slug discharges, and when requested by the BSA following an accidental discharge or spill, within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

**5. Noncompliance Notification**

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 716-851-4664 ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. a description of the discharge and cause of noncompliance and;
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying discharge.

Additionally, the permittee shall repeat the sampling and analysis and submit these results of the report analysis to the Industrial Waste Section within 30 days after becoming aware of the violation.

**6. Adverse Impact**

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**7. Waste Residuals**

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

**8. Power Failures**

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

**9. Treatment Upsets**

- a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:
  - (i) A description of the upset, its cause(s) and impact on the discharger's compliance status;
  - (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;
  - (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.
- b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any



noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

**10. Treatment Bypasses**

- a. A bypass of the treatment system is prohibited unless the following conditions are met:
  - (i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or
  - (ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and
  - (iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.
- b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.
- c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

**C. PERMITTEE RESPONSIBILITIES**

**1. Permit Availability**

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

**2. Inspections**

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

**3. Transfer of Ownership or Control**

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

**D. PERMITTEE LIABILITIES**

**1. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

- a. Violation of any terms or conditions of this permit,
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**2. Imminent Danger**

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

**3. Civil and Criminal Liability**

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

**E. NATIONAL PRETREATMENT STANDARDS**

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

**F. PLANT CLOSURE**

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

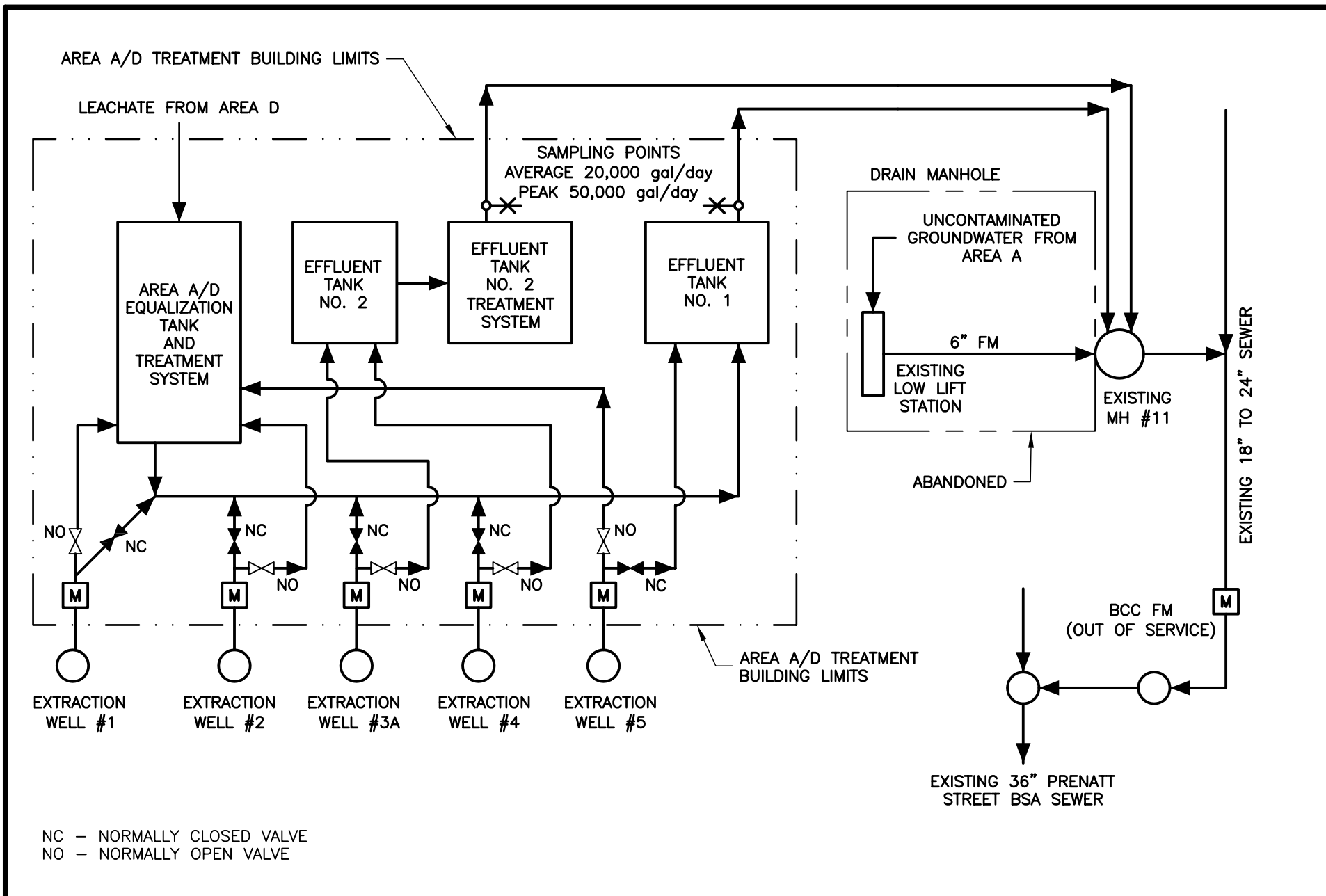
**G. CONFIDENTIALITY**

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**H. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## **Monitoring and Sampling Schematics**



FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY



Ontario Specialty Contracting, Inc.  
Environmental Remediation • Demolition / Dismantlement • Brownfield Redevelopment

GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

## **Laboratory Analytical Results**

## ANALYTICAL REPORT

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

Laboratory Job ID: 480-169796-1

Client Project/Site: Buffalo Color GWTF Sump  
Sampling Event: Buffalo Color - Quarterly Sump

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:

5/26/2020 1:35:09 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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

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## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

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

#### GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

#### Metals

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.

#### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

**Job ID: 480-169796-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

### Job Narrative 480-169796-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/12/2020 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.8° C.

#### GC/MS VOA

Method 624.1: The following Volatile sample was composited by the laboratory on 05-12-2020 as requested by the client: BCC BSA SUMP\_0520 (480-169796-1). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

#### GC/MS Semi VOA

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

#### GC Semi VOA

Method 608.3: The following samples are associated with method blank (MB) associated with batch preparation batch 480-531887 and analytical batch 480-532168 that had recoveries for the surrogate Decachlorobiphenyl that were below acceptance limits. The secondary surrogate Tetrachloro-m-xylene was within limits. Therefore, the data has been reported. The following sample is impacted: BCC BSA SUMP\_0520 (480-169796-1).

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.

#### General Chemistry

Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC BSA SUMP\_0520 (480-169796-1).

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

#### Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-531887.

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 GWTF Sump

Job ID: 480-169796-1

**Client Sample ID: BCC BSA SUMP\_0520**

**Lab Sample ID: 480-169796-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.68	J	5.0	0.51	ug/L	1			624.1	Total/NA
Aniline	7.0	J	40	1.5	ug/L	1			625.1	Total/NA
Chromium	0.0032	J	0.0040	0.0010	mg/L	1			200.7 Rev 4.4	Total/NA
Copper	0.0027	J	0.010	0.0016	mg/L	1			200.7 Rev 4.4	Total/NA
Lead	0.0031	J	0.010	0.0030	mg/L	1			200.7 Rev 4.4	Total/NA
Nickel	0.0034	J	0.010	0.0013	mg/L	1			200.7 Rev 4.4	Total/NA
Zinc	0.010		0.010	0.0015	mg/L	1			200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.029	F1 B	0.010	0.0035	mg/L	1			420.4	Total/NA
Total Suspended Solids	4.4		4.0	4.0	mg/L	1			SM 2540D	Total/NA
Cyanide, Amenable	0.0071	J	0.010	0.0050	mg/L	1			SM 4500 CN G	Total/NA
pH	8.2	HF	0.1	0.1	SU	1			SM 4500 H+ B	Total/NA
Temperature	17.1	HF	0.001	0.001	Degrees C	1			SM 4500 H+ B	Total/NA
Phosphorus	0.68		0.010	0.0050	mg/L as P	1			SM 4500 P E	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-169796-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Client Sample ID: BCC BSA SUMP\_0520

Lab Sample ID: 480-169796-1

Date Collected: 05/11/20 00:00

Matrix: Water

Date Received: 05/12/20 15:45

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/12/20 13:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/12/20 13:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/12/20 13:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/12/20 13:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/12/20 13:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/12/20 13:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/12/20 13:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/12/20 13:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/12/20 13:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/12/20 13:51	1
1,4-Dichlorobenzene	0.68	J	5.0	0.51	ug/L			05/12/20 13:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/12/20 13:51	1
Acrolein	ND		100	17	ug/L			05/12/20 13:51	1
Acrylonitrile	ND		50	1.9	ug/L			05/12/20 13:51	1
Benzene	ND		5.0	0.60	ug/L			05/12/20 13:51	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/12/20 13:51	1
Bromoform	ND		5.0	0.47	ug/L			05/12/20 13:51	1
Bromomethane	ND		5.0	1.2	ug/L			05/12/20 13:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/12/20 13:51	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/12/20 13:51	1
Chloroethane	ND		5.0	0.87	ug/L			05/12/20 13:51	1
Chloroform	ND		5.0	0.54	ug/L			05/12/20 13:51	1
Chloromethane	ND		5.0	0.64	ug/L			05/12/20 13:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/12/20 13:51	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/12/20 13:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/12/20 13:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/12/20 13:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/12/20 13:51	1
Toluene	ND		5.0	0.45	ug/L			05/12/20 13:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/12/20 13:51	1
Trichloroethene	ND		5.0	0.60	ug/L			05/12/20 13:51	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/12/20 13:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/12/20 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		68 - 130		05/12/20 13:51	1
4-Bromofluorobenzene (Surr)	104		76 - 123		05/12/20 13:51	1
Dibromofluoromethane (Surr)	96		75 - 123		05/12/20 13:51	1
Toluene-d8 (Surr)	94		77 - 120		05/12/20 13:51	1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		05/15/20 15:41	05/20/20 23:03	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		05/15/20 15:41	05/20/20 23:03	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		05/15/20 15:41	05/20/20 23:03	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		05/15/20 15:41	05/20/20 23:03	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Client Sample ID: BCC BSA SUMP\_0520

Lab Sample ID: 480-169796-1

Date Collected: 05/11/20 00:00

Matrix: Water

Date Received: 05/12/20 15:45

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,4-Dinitrophenol	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
2-Chloronaphthalene	ND		20	0.91	ug/L		05/15/20 15:41	05/20/20 23:03	1
2-Chlorophenol	ND		20	0.66	ug/L		05/15/20 15:41	05/20/20 23:03	1
2-Nitrophenol	ND		20	0.70	ug/L		05/15/20 15:41	05/20/20 23:03	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		05/15/20 15:41	05/20/20 23:03	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		05/15/20 15:41	05/20/20 23:03	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 23:03	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 23:03	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 23:03	1
4-Nitrophenol	ND		40	10	ug/L		05/15/20 15:41	05/20/20 23:03	1
Acenaphthene	ND		20	0.81	ug/L		05/15/20 15:41	05/20/20 23:03	1
Acenaphthylene	ND		20	0.87	ug/L		05/15/20 15:41	05/20/20 23:03	1
Aniline	7.0	J	40	1.5	ug/L		05/15/20 15:41	05/20/20 23:03	1
Anthracene	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzidine	ND		320	35	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzo[a]anthracene	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzo[a]pyrene	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 23:03	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 23:03	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		05/15/20 15:41	05/20/20 23:03	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		05/15/20 15:41	05/20/20 23:03	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		05/15/20 15:41	05/20/20 23:03	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 23:03	1
Chrysene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 23:03	1
Diethyl phthalate	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Dimethyl phthalate	ND		20	0.91	ug/L		05/15/20 15:41	05/20/20 23:03	1
Di-n-butyl phthalate	ND		20	1.6	ug/L		05/15/20 15:41	05/20/20 23:03	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 23:03	1
Fluoranthene	ND		20	1.6	ug/L		05/15/20 15:41	05/20/20 23:03	1
Fluorene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Hexachlorobenzene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Hexachlorobutadiene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Hexachloroethane	ND		20	0.60	ug/L		05/15/20 15:41	05/20/20 23:03	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 23:03	1
Isophorone	ND		20	0.74	ug/L		05/15/20 15:41	05/20/20 23:03	1
Naphthalene	ND		20	0.86	ug/L		05/15/20 15:41	05/20/20 23:03	1
Decane	ND		40	1.6	ug/L		05/15/20 15:41	05/20/20 23:03	1
Nitrobenzene	ND		20	0.81	ug/L		05/15/20 15:41	05/20/20 23:03	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		05/15/20 15:41	05/20/20 23:03	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		05/15/20 15:41	05/20/20 23:03	1
n-Octadecane	ND		40	1.2	ug/L		05/15/20 15:41	05/20/20 23:03	1
Pentachlorophenol	ND		40	5.4	ug/L		05/15/20 15:41	05/20/20 23:03	1
Phenanthrene	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 23:03	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Client Sample ID: BCC BSA SUMP\_0520

Lab Sample ID: 480-169796-1

Date Collected: 05/11/20 00:00

Matrix: Water

Date Received: 05/12/20 15:45

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		20	0.35	ug/L		05/15/20 15:41	05/20/20 23:03	1
Pyrene	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 23:03	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		52 - 151				05/15/20 15:41	05/20/20 23:03	1
2-Fluorobiphenyl	95		44 - 120				05/15/20 15:41	05/20/20 23:03	1
2-Fluorophenol	64		17 - 120				05/15/20 15:41	05/20/20 23:03	1
Nitrobenzene-d5	81		15 - 314				05/15/20 15:41	05/20/20 23:03	1
Phenol-d5	45		8 - 424				05/15/20 15:41	05/20/20 23:03	1
p-Terphenyl-d14	79		22 - 125				05/15/20 15:41	05/20/20 23:03	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.057	0.036	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1221	ND		0.057	0.036	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1232	ND		0.057	0.036	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1242	ND		0.057	0.036	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1248	ND		0.057	0.036	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1254	ND		0.057	0.030	ug/L		05/15/20 08:37	05/18/20 00:16	1
PCB-1260	ND		0.057	0.030	ug/L		05/15/20 08:37	05/18/20 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		36 - 121				05/15/20 08:37	05/18/20 00:16	1
Tetrachloro-m-xylene	68		42 - 135				05/15/20 08:37	05/18/20 00:16	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0032	J	0.0040	0.0010	mg/L		05/13/20 10:11	05/13/20 23:13	1
Copper	0.0027	J	0.010	0.0016	mg/L		05/13/20 10:11	05/13/20 23:13	1
Lead	0.0031	J	0.010	0.0030	mg/L		05/13/20 10:11	05/13/20 23:13	1
Nickel	0.0034	J	0.010	0.0013	mg/L		05/13/20 10:11	05/13/20 23:13	1
Zinc	0.010		0.010	0.0015	mg/L		05/13/20 10:11	05/13/20 23:13	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/18/20 12:30	05/18/20 16:31	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.029	F1 B	0.010	0.0035	mg/L			05/23/20 02:30	1
Cyanide, Amenable	0.0071	J	0.010	0.0050	mg/L			05/13/20 15:13	1
Phosphorus	0.68		0.010	0.0050	mg/L as P			05/13/20 13:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			05/12/20 22:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.4		4.0	4.0	mg/L			05/13/20 09:48	1
pH	8.2	HF	0.1	0.1	SU			05/18/20 14:50	1
Temperature	17.1	HF	0.001	0.001	Degrees C			05/18/20 14:50	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-169796-2

Date Collected: 05/11/20 00:00

Matrix: Water

Date Received: 05/12/20 15:45

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/12/20 14:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/12/20 14:14	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/12/20 14:14	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/12/20 14:14	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/12/20 14:14	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/12/20 14:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/12/20 14:14	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/12/20 14:14	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/12/20 14:14	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/12/20 14:14	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/12/20 14:14	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/12/20 14:14	1
Acrolein	ND		100	17	ug/L			05/12/20 14:14	1
Acrylonitrile	ND		50	1.9	ug/L			05/12/20 14:14	1
Benzene	ND		5.0	0.60	ug/L			05/12/20 14:14	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/12/20 14:14	1
Bromoform	ND		5.0	0.47	ug/L			05/12/20 14:14	1
Bromomethane	ND		5.0	1.2	ug/L			05/12/20 14:14	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/12/20 14:14	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/12/20 14:14	1
Chloroethane	ND		5.0	0.87	ug/L			05/12/20 14:14	1
Chloroform	ND		5.0	0.54	ug/L			05/12/20 14:14	1
Chloromethane	ND		5.0	0.64	ug/L			05/12/20 14:14	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/12/20 14:14	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/12/20 14:14	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/12/20 14:14	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/12/20 14:14	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/12/20 14:14	1
Toluene	ND		5.0	0.45	ug/L			05/12/20 14:14	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/12/20 14:14	1
Trichloroethene	ND		5.0	0.60	ug/L			05/12/20 14:14	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/12/20 14:14	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/12/20 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		68 - 130		05/12/20 14:14	1
4-Bromofluorobenzene (Surr)	99		76 - 123		05/12/20 14:14	1
Dibromofluoromethane (Surr)	96		75 - 123		05/12/20 14:14	1
Toluene-d8 (Surr)	90		77 - 120		05/12/20 14:14	1

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (68-130)	BFB (76-123)	DBFM (75-123)	TOL (77-120)
480-169796-1	BCC BSA SUMP_0520	92	104	96	94
480-169796-2	TRIP BLANK	90	99	96	90
LCS 480-531109/5	Lab Control Sample	87	109	96	96
MB 480-531109/7	Method Blank	94	110	96	96
<b>Surrogate Legend</b>					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	PHL (8-424)	TPHd14 (22-125)
480-169796-1	BCC BSA SUMP_0520	98	95	64	81	45	79
LCS 480-532031/2-A	Lab Control Sample	113	99	70	93	56	107
LCSD 480-532031/3-A	Lab Control Sample Dup	114	100	74	97	56	112
MB 480-532031/1-A	Method Blank	103	96	65	84	48	102
<b>Surrogate Legend</b>							
TBP = 2,4,6-Tribromophenol							
FBP = 2-Fluorobiphenyl							
2FP = 2-Fluorophenol							
NBZ = Nitrobenzene-d5							
PHL = Phenol-d5							
TPHd14 = p-Terphenyl-d14							

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (36-121)	TCX1 (42-135)
480-169796-1	BCC BSA SUMP_0520	55	68
LCS 480-531887/2-A	Lab Control Sample	40	72
LCSD 480-531887/3-A	Lab Control Sample Dup	45	65
MB 480-531887/1-A	Method Blank	32 X	66
<b>Surrogate Legend</b>			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-531109/7

Matrix: Water

Analysis Batch: 531109

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		5.0	0.39	ug/L			05/12/20 11:03	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/12/20 11:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/12/20 11:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/12/20 11:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/12/20 11:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/12/20 11:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/12/20 11:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/12/20 11:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/12/20 11:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/12/20 11:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/12/20 11:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/12/20 11:03	1
Acrolein	ND		100	17	ug/L			05/12/20 11:03	1
Acrylonitrile	ND		50	1.9	ug/L			05/12/20 11:03	1
Benzene	ND		5.0	0.60	ug/L			05/12/20 11:03	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/12/20 11:03	1
Bromoform	ND		5.0	0.47	ug/L			05/12/20 11:03	1
Bromomethane	ND		5.0	1.2	ug/L			05/12/20 11:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/12/20 11:03	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/12/20 11:03	1
Chloroethane	ND		5.0	0.87	ug/L			05/12/20 11:03	1
Chloroform	ND		5.0	0.54	ug/L			05/12/20 11:03	1
Chloromethane	ND		5.0	0.64	ug/L			05/12/20 11:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/12/20 11:03	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/12/20 11:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/12/20 11:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/12/20 11:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/12/20 11:03	1
Toluene	ND		5.0	0.45	ug/L			05/12/20 11:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/12/20 11:03	1
Trichloroethene	ND		5.0	0.60	ug/L			05/12/20 11:03	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/12/20 11:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/12/20 11:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		68 - 130		05/12/20 11:03	1
4-Bromofluorobenzene (Surr)	110		76 - 123		05/12/20 11:03	1
Dibromofluoromethane (Surr)	96		75 - 123		05/12/20 11:03	1
Toluene-d8 (Surr)	96		77 - 120		05/12/20 11:03	1

Lab Sample ID: LCS 480-531109/5

Matrix: Water

Analysis Batch: 531109

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	20.0	18.6		ug/L		93	52 - 162
1,1,1,2-Tetrachloroethane	20.0	20.0		ug/L		100	46 - 157
1,1,2-Trichloroethane	20.0	18.9		ug/L		95	52 - 150

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-531109/5

Matrix: Water

Analysis Batch: 531109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	19.7		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	20.2		ug/L		101	1 - 234
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	18 - 190
1,2-Dichloroethane	20.0	19.2		ug/L		96	49 - 155
1,2-Dichloropropane	20.0	20.7		ug/L		104	1 - 210
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	59 - 156
1,4-Dichlorobenzene	20.0	20.1		ug/L		100	18 - 190
2-Chloroethyl vinyl ether	20.0	20.6	J	ug/L		103	1 - 305
Benzene	20.0	20.1		ug/L		100	37 - 151
Bromodichloromethane	20.0	20.1		ug/L		100	35 - 155
Bromoform	20.0	17.8		ug/L		89	45 - 169
Bromomethane	20.0	20.0		ug/L		100	1 - 242
Carbon tetrachloride	20.0	17.7		ug/L		88	70 - 140
Chlorobenzene	20.0	19.8		ug/L		99	37 - 160
Chloroethane	20.0	20.3		ug/L		102	14 - 230
Chloroform	20.0	19.7		ug/L		98	51 - 138
Chloromethane	20.0	17.9		ug/L		89	1 - 273
cis-1,3-Dichloropropene	20.0	19.5		ug/L		98	1 - 227
Dibromochloromethane	20.0	18.3		ug/L		91	53 - 149
Ethylbenzene	20.0	20.1		ug/L		100	37 - 162
Methylene Chloride	20.0	18.6		ug/L		93	1 - 221
Tetrachloroethene	20.0	19.2		ug/L		96	64 - 148
Toluene	20.0	19.1		ug/L		95	47 - 150
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	17 - 183
Trichloroethene	20.0	19.7		ug/L		98	71 - 157
Trichlorofluoromethane	20.0	21.5		ug/L		107	17 - 181
Vinyl chloride	20.0	17.6		ug/L		88	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		68 - 130
4-Bromofluorobenzene (Surr)	109		76 - 123
Dibromofluoromethane (Surr)	96		75 - 123
Toluene-d8 (Surr)	96		77 - 120

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-532031/1-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		05/15/20 15:41	05/20/20 21:37	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		05/15/20 15:41	05/20/20 21:37	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		05/15/20 15:41	05/20/20 21:37	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		05/15/20 15:41	05/20/20 21:37	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-532031/1-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,4-Dinitrophenol	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
2-Chloronaphthalene	ND		20	0.91	ug/L		05/15/20 15:41	05/20/20 21:37	1
2-Chlorophenol	ND		20	0.66	ug/L		05/15/20 15:41	05/20/20 21:37	1
2-Nitrophenol	ND		20	0.70	ug/L		05/15/20 15:41	05/20/20 21:37	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		05/15/20 15:41	05/20/20 21:37	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		05/15/20 15:41	05/20/20 21:37	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 21:37	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 21:37	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 21:37	1
4-Nitrophenol	ND		40	10	ug/L		05/15/20 15:41	05/20/20 21:37	1
Acenaphthene	ND		20	0.81	ug/L		05/15/20 15:41	05/20/20 21:37	1
Acenaphthylene	ND		20	0.87	ug/L		05/15/20 15:41	05/20/20 21:37	1
Aniline	ND		40	1.5	ug/L		05/15/20 15:41	05/20/20 21:37	1
Anthracene	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzidine	ND		320	35	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzo[a]anthracene	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzo[a]pyrene	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 21:37	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		05/15/20 15:41	05/20/20 21:37	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		05/15/20 15:41	05/20/20 21:37	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		05/15/20 15:41	05/20/20 21:37	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		05/15/20 15:41	05/20/20 21:37	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		05/15/20 15:41	05/20/20 21:37	1
Chrysene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 21:37	1
Diethyl phthalate	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Dimethyl phthalate	ND		20	0.91	ug/L		05/15/20 15:41	05/20/20 21:37	1
Di-n-butyl phthalate	ND		20	1.6	ug/L		05/15/20 15:41	05/20/20 21:37	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 21:37	1
Fluoranthene	ND		20	1.6	ug/L		05/15/20 15:41	05/20/20 21:37	1
Fluorene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Hexachlorobenzene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Hexachlorobutadiene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
Hexachloroethane	ND		20	0.60	ug/L		05/15/20 15:41	05/20/20 21:37	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		05/15/20 15:41	05/20/20 21:37	1
Isophorone	ND		20	0.74	ug/L		05/15/20 15:41	05/20/20 21:37	1
Naphthalene	ND		20	0.86	ug/L		05/15/20 15:41	05/20/20 21:37	1
Decane	ND		40	1.6	ug/L		05/15/20 15:41	05/20/20 21:37	1
Nitrobenzene	ND		20	0.81	ug/L		05/15/20 15:41	05/20/20 21:37	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		05/15/20 15:41	05/20/20 21:37	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		05/15/20 15:41	05/20/20 21:37	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		05/15/20 15:41	05/20/20 21:37	1
n-Octadecane	ND		40	1.2	ug/L		05/15/20 15:41	05/20/20 21:37	1
Pentachlorophenol	ND		40	5.4	ug/L		05/15/20 15:41	05/20/20 21:37	1
Phenanthrene	ND		20	1.2	ug/L		05/15/20 15:41	05/20/20 21:37	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-532031/1-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		20	0.35	ug/L		05/15/20 15:41	05/20/20 21:37	1
Pyrene	ND		20	1.4	ug/L		05/15/20 15:41	05/20/20 21:37	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		05/15/20 15:41	05/20/20 21:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		52 - 151	05/15/20 15:41	05/20/20 21:37	1
2-Fluorobiphenyl	96		44 - 120	05/15/20 15:41	05/20/20 21:37	1
2-Fluorophenol	65		17 - 120	05/15/20 15:41	05/20/20 21:37	1
Nitrobenzene-d5	84		15 - 314	05/15/20 15:41	05/20/20 21:37	1
Phenol-d5	48		8 - 424	05/15/20 15:41	05/20/20 21:37	1
p-Terphenyl-d14	102		22 - 125	05/15/20 15:41	05/20/20 21:37	1

Lab Sample ID: LCS 480-532031/2-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	32.0	29.5	J	ug/L		92	44 - 142
1,2-Dichlorobenzene	32.0	27.8	J	ug/L		87	32 - 129
1,3-Dichlorobenzene	32.0	27.0	J	ug/L		84	1 - 172
1,4-Dichlorobenzene	32.0	27.2	J	ug/L		85	20 - 124
2,2'-oxybis[1-chloropropane]	32.0	22.5		ug/L		70	36 - 166
2,4,6-Trichlorophenol	32.0	32.6		ug/L		102	37 - 144
2,4-Dichlorophenol	32.0	33.6		ug/L		105	39 - 135
2,4-Dimethylphenol	32.0	30.8		ug/L		96	32 - 120
2,4-Dinitrophenol	64.0	64.3		ug/L		100	1 - 191
2,4-Dinitrotoluene	32.0	34.2		ug/L		107	39 - 139
2-Chloronaphthalene	32.0	29.8		ug/L		93	60 - 120
2-Chlorophenol	32.0	28.7		ug/L		90	23 - 134
2-Nitrophenol	32.0	32.1		ug/L		100	29 - 182
3,3'-Dichlorobenzidine	64.0	60.1		ug/L		94	1 - 262
4,6-Dinitro-2-methylphenol	64.0	65.0		ug/L		102	1 - 181
4-Bromophenyl phenyl ether	32.0	33.8		ug/L		106	53 - 127
4-Chloro-3-methylphenol	32.0	32.5		ug/L		102	22 - 147
4-Chlorophenyl phenyl ether	32.0	33.7		ug/L		105	25 - 158
4-Nitrophenol	64.0	57.6		ug/L		90	1 - 132
Acenaphthene	32.0	30.9		ug/L		97	47 - 145
Acenaphthylene	32.0	31.7		ug/L		99	33 - 145
Aniline	32.0	19.2	J	ug/L		60	40 - 120
Anthracene	32.0	32.9		ug/L		103	27 - 133
Benzo[a]anthracene	32.0	32.5		ug/L		101	33 - 143
Benzo[a]pyrene	32.0	32.9		ug/L		103	17 - 163
Benzo[b]fluoranthene	32.0	35.0		ug/L		109	24 - 159
Benzo[g,h,i]perylene	32.0	35.0		ug/L		109	1 - 219
Benzo[k]fluoranthene	32.0	33.2		ug/L		104	11 - 162
Bis(2-chloroethoxy)methane	32.0	28.6		ug/L		90	33 - 184
Bis(2-chloroethyl)ether	32.0	28.6		ug/L		90	12 - 158
Bis(2-ethylhexyl) phthalate	32.0	33.7	J	ug/L		105	8 - 158

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-532031/2-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	32.0	33.4		ug/L		105	1 - 152
Chrysene	32.0	31.2		ug/L		97	17 - 168
Dibenz(a,h)anthracene	32.0	35.3		ug/L		110	1 - 227
Diethyl phthalate	32.0	35.5		ug/L		111	1 - 120
Dimethyl phthalate	32.0	34.7		ug/L		109	1 - 120
Di-n-butyl phthalate	32.0	35.6		ug/L		111	1 - 120
Di-n-octyl phthalate	32.0	33.5		ug/L		105	4 - 146
Fluoranthene	32.0	34.6		ug/L		108	26 - 137
Fluorene	32.0	32.1		ug/L		100	59 - 121
Hexachlorobenzene	32.0	33.5		ug/L		105	1 - 152
Hexachlorocyclopentadiene	32.0	22.6		ug/L		71	5 - 120
Hexachloroethane	32.0	25.1		ug/L		78	40 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.4		ug/L		107	1 - 171
Isophorone	32.0	30.9		ug/L		97	21 - 196
Naphthalene	32.0	29.2		ug/L		91	21 - 133
Nitrobenzene	32.0	29.1		ug/L		91	35 - 180
N-Nitrosodi-n-propylamine	32.0	29.3		ug/L		92	1 - 230
N-Nitrosodiphenylamine	32.0	31.4		ug/L		98	54 - 125
Pentachlorophenol	64.0	61.4		ug/L		96	14 - 176
Phenanthrene	32.0	32.2		ug/L		101	54 - 120
Phenol	32.0	17.6	J	ug/L		55	5 - 120
Pyrene	32.0	32.7		ug/L		102	52 - 120
2,6-Dinitrotoluene	32.0	33.6		ug/L		105	50 - 158

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	113		52 - 151
2-Fluorobiphenyl	99		44 - 120
2-Fluorophenol	70		17 - 120
Nitrobenzene-d5	93		15 - 314
Phenol-d5	56		8 - 424
p-Terphenyl-d14	107		22 - 125

Lab Sample ID: LCSD 480-532031/3-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 532031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	32.0	30.6	J	ug/L		96	44 - 142	3	34
1,2-Dichlorobenzene	32.0	29.4	J	ug/L		92	32 - 129	6	38
1,3-Dichlorobenzene	32.0	29.0	J	ug/L		91	1 - 172	7	37
1,4-Dichlorobenzene	32.0	29.1	J	ug/L		91	20 - 124	6	40
2,2'-oxybis[1-chloropropane]	32.0	23.9		ug/L		75	36 - 166	6	36
2,4,6-Trichlorophenol	32.0	33.1		ug/L		103	37 - 144	2	20
2,4-Dichlorophenol	32.0	34.7		ug/L		108	39 - 135	3	23
2,4-Dimethylphenol	32.0	33.0		ug/L		103	32 - 120	7	18
2,4-Dinitrophenol	64.0	67.9		ug/L		106	1 - 191	5	29
2,4-Dinitrotoluene	32.0	34.4		ug/L		108	39 - 139	1	20
2-Chloronaphthalene	32.0	30.6		ug/L		96	60 - 120	3	30

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-532031/3-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 532031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	32.0	29.9		ug/L		93	23 - 134	4	26
2-Nitrophenol	32.0	33.3		ug/L		104	29 - 182	4	28
3,3'-Dichlorobenzidine	64.0	62.5		ug/L		98	1 - 262	4	31
4,6-Dinitro-2-methylphenol	64.0	67.4		ug/L		105	1 - 181	4	30
4-Bromophenyl phenyl ether	32.0	34.2		ug/L		107	53 - 127	1	16
4-Chloro-3-methylphenol	32.0	33.6		ug/L		105	22 - 147	3	16
4-Chlorophenyl phenyl ether	32.0	33.4		ug/L		104	25 - 158	1	15
4-Nitrophenol	64.0	57.0		ug/L		89	1 - 132	1	24
Acenaphthene	32.0	31.1		ug/L		97	47 - 145	1	25
Acenaphthylene	32.0	32.0		ug/L		100	33 - 145	1	22
Aniline	32.0	21.2	J	ug/L		66	40 - 120	10	30
Anthracene	32.0	33.7		ug/L		105	27 - 133	2	15
Benzo[a]anthracene	32.0	34.7		ug/L		108	33 - 143	7	15
Benzo[a]pyrene	32.0	34.0		ug/L		106	17 - 163	3	15
Benzo[b]fluoranthene	32.0	35.4		ug/L		111	24 - 159	1	17
Benzo[g,h,i]perylene	32.0	36.8		ug/L		115	1 - 219	5	19
Benzo[k]fluoranthene	32.0	34.8		ug/L		109	11 - 162	5	19
Bis(2-chloroethoxy)methane	32.0	29.8		ug/L		93	33 - 184	4	23
Bis(2-chloroethyl)ether	32.0	29.6		ug/L		92	12 - 158	3	33
Bis(2-ethylhexyl) phthalate	32.0	35.0	J	ug/L		109	8 - 158	4	15
Butyl benzyl phthalate	32.0	34.9		ug/L		109	1 - 152	4	15
Chrysene	32.0	33.7		ug/L		105	17 - 168	8	15
Dibenz(a,h)anthracene	32.0	37.4		ug/L		117	1 - 227	6	18
Diethyl phthalate	32.0	35.7		ug/L		112	1 - 120	1	15
Dimethyl phthalate	32.0	34.8		ug/L		109	1 - 120	0	15
Di-n-butyl phthalate	32.0	36.2		ug/L		113	1 - 120	2	15
Di-n-octyl phthalate	32.0	36.2		ug/L		113	4 - 146	8	15
Fluoranthene	32.0	35.2		ug/L		110	26 - 137	2	15
Fluorene	32.0	32.2		ug/L		101	59 - 121	0	18
Hexachlorobenzene	32.0	34.6		ug/L		108	1 - 152	3	15
Hexachlorocyclopentadiene	32.0	23.9		ug/L		75	5 - 120	6	50
Hexachloroethane	32.0	26.4		ug/L		82	40 - 120	5	43
Indeno[1,2,3-cd]pyrene	32.0	36.7		ug/L		115	1 - 171	7	17
Isophorone	32.0	32.0		ug/L		100	21 - 196	3	21
Naphthalene	32.0	30.4		ug/L		95	21 - 133	4	31
Nitrobenzene	32.0	29.7		ug/L		93	35 - 180	2	27
N-Nitrosodi-n-propylamine	32.0	29.1		ug/L		91	1 - 230	1	23
N-Nitrosodiphenylamine	32.0	32.0		ug/L		100	54 - 125	2	15
Pentachlorophenol	64.0	65.3		ug/L		102	14 - 176	6	21
Phenanthrene	32.0	32.6		ug/L		102	54 - 120	1	16
Phenol	32.0	18.2	J	ug/L		57	5 - 120	3	36
Pyrene	32.0	34.5		ug/L		108	52 - 120	6	15
2,6-Dinitrotoluene	32.0	33.8		ug/L		106	50 - 158	1	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	114		52 - 151
2-Fluorobiphenyl	100		44 - 120
2-Fluorophenol	74		17 - 120

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-532031/3-A

Matrix: Water

Analysis Batch: 532710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 532031

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	97		15 - 314
Phenol-d5	56		8 - 424
p-Terphenyl-d14	112		22 - 125

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-531887/1-A

Matrix: Water

Analysis Batch: 532168

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531887

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.060	0.038	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1221	ND		0.060	0.038	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1232	ND		0.060	0.038	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1242	ND		0.060	0.038	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1248	ND		0.060	0.038	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1254	ND		0.060	0.031	ug/L		05/15/20 08:37	05/17/20 22:46	1
PCB-1260	ND		0.060	0.031	ug/L		05/15/20 08:37	05/17/20 22:46	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	32	X	36 - 121	05/15/20 08:37	05/17/20 22:46	1
Tetrachloro-m-xylene	66		42 - 135	05/15/20 08:37	05/17/20 22:46	1

Lab Sample ID: LCS 480-531887/2-A

Matrix: Water

Analysis Batch: 532168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 531887

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
PCB-1016	1.00	1.17		ug/L		117	69 - 123
PCB-1260	1.00	0.753		ug/L		75	69 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	40		36 - 121
Tetrachloro-m-xylene	72		42 - 135

Lab Sample ID: LCSD 480-531887/3-A

Matrix: Water

Analysis Batch: 532168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 531887

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD
	Added	Result	Qualifier				Limits	Limit
PCB-1016	1.00	1.21		ug/L		121	69 - 123	3
PCB-1260	1.00	0.770		ug/L		77	69 - 120	2

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	45		36 - 121
Tetrachloro-m-xylene	65		42 - 135

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-531373/1-A

Matrix: Water

Analysis Batch: 531676

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		05/13/20 10:11	05/13/20 22:01	1
Copper	ND		0.010	0.0016	mg/L		05/13/20 10:11	05/13/20 22:01	1
Lead	ND		0.010	0.0030	mg/L		05/13/20 10:11	05/13/20 22:01	1
Nickel	ND		0.010	0.0013	mg/L		05/13/20 10:11	05/13/20 22:01	1
Zinc	ND		0.010	0.0015	mg/L		05/13/20 10:11	05/13/20 22:01	1

Lab Sample ID: LCS 480-531373/2-A

Matrix: Water

Analysis Batch: 531676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 531373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.196		mg/L		98	85 - 115
Copper	0.200	0.193		mg/L		97	85 - 115
Lead	0.200	0.189		mg/L		95	85 - 115
Nickel	0.200	0.188		mg/L		94	85 - 115
Zinc	0.200	0.200		mg/L		100	85 - 115

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-532242/1-A

Matrix: Water

Analysis Batch: 532317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/18/20 12:30	05/18/20 16:01	1

Lab Sample ID: LCS 480-532242/2-A

Matrix: Water

Analysis Batch: 532317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00692		mg/L		104	85 - 115

## Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-533227/77

Matrix: Water

Analysis Batch: 533227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.00590	J	0.010	0.0035	mg/L			05/23/20 02:23	1

Lab Sample ID: LCS 480-533227/78

Matrix: Water

Analysis Batch: 533227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0998		mg/L		100	90 - 110

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 480-169796-1 MS

Matrix: Water

Analysis Batch: 533227

Client Sample ID: BCC BSA SUMP\_0520

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.029	F1 B	0.100	0.0762	F1	mg/L		47	90 - 110

Lab Sample ID: 480-169796-1 DU

Matrix: Water

Analysis Batch: 533227

Client Sample ID: BCC BSA SUMP\_0520

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Phenolics, Total Recoverable	0.029	F1 B	0.0291		mg/L		0	20

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-531389/1

Matrix: Water

Analysis Batch: 531389

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/13/20 09:48	1

Lab Sample ID: LCS 480-531389/2

Matrix: Water

Analysis Batch: 531389

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	268	252.4		mg/L		94	88 - 110

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-532329/41

Matrix: Water

Analysis Batch: 532329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: LCS 480-532329/61

Matrix: Water

Analysis Batch: 532329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-531471/51

Matrix: Water

Analysis Batch: 531471

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			05/13/20 13:00	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: LCS 480-531471/52

Matrix: Water

Analysis Batch: 531471

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.200		mg/L as P		100	90 - 110

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-531296/1

Matrix: Water

Analysis Batch: 531296

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			05/12/20 22:25	1

Lab Sample ID: LCS 480-531296/2

Matrix: Water

Analysis Batch: 531296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	170.6		mg/L		86	85 - 115

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## GC/MS VOA

### Analysis Batch: 531109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	624.1	
480-169796-2	TRIP BLANK	Total/NA	Water	624.1	
MB 480-531109/7	Method Blank	Total/NA	Water	624.1	
LCS 480-531109/5	Lab Control Sample	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 532031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	625	
MB 480-532031/1-A	Method Blank	Total/NA	Water	625	
LCS 480-532031/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-532031/3-A	Lab Control Sample Dup	Total/NA	Water	625	

### Analysis Batch: 532710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	625.1	532031
MB 480-532031/1-A	Method Blank	Total/NA	Water	625.1	532031
LCS 480-532031/2-A	Lab Control Sample	Total/NA	Water	625.1	532031
LCSD 480-532031/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	532031

## GC Semi VOA

### Prep Batch: 531887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	3510C	
MB 480-531887/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-531887/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-531887/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 532168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	608.3	531887
MB 480-531887/1-A	Method Blank	Total/NA	Water	608.3	531887
LCS 480-531887/2-A	Lab Control Sample	Total/NA	Water	608.3	531887
LCSD 480-531887/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	531887

## Metals

### Prep Batch: 531373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	200.7	
MB 480-531373/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-531373/2-A	Lab Control Sample	Total/NA	Water	200.7	

### Analysis Batch: 531676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	200.7 Rev 4.4	531373
MB 480-531373/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	531373
LCS 480-531373/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	531373

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

## Metals

### Prep Batch: 532242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	245.1	
MB 480-532242/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-532242/2-A	Lab Control Sample	Total/NA	Water	245.1	

### Analysis Batch: 532317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	245.1	532242
MB 480-532242/1-A	Method Blank	Total/NA	Water	245.1	532242
LCS 480-532242/2-A	Lab Control Sample	Total/NA	Water	245.1	532242

## General Chemistry

### Analysis Batch: 531296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	SM 5210B	
USB 480-531296/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-531296/2	Lab Control Sample	Total/NA	Water	SM 5210B	

### Analysis Batch: 531389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	SM 2540D	
MB 480-531389/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-531389/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 531471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	SM 4500 P E	
MB 480-531471/51	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-531471/52	Lab Control Sample	Total/NA	Water	SM 4500 P E	

### Analysis Batch: 532329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	SM 4500 H+ B	
LCS 480-532329/41	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCS 480-532329/61	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 532975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	SM 4500 CN G	

### Analysis Batch: 533227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169796-1	BCC BSA SUMP_0520	Total/NA	Water	420.4	
MB 480-533227/77	Method Blank	Total/NA	Water	420.4	
LCS 480-533227/78	Lab Control Sample	Total/NA	Water	420.4	
480-169796-1 MS	BCC BSA SUMP_0520	Total/NA	Water	420.4	
480-169796-1 DU	BCC BSA SUMP_0520	Total/NA	Water	420.4	

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

**Client Sample ID: BCC BSA SUMP\_0520**

**Lab Sample ID: 480-169796-1**

**Date Collected: 05/11/20 00:00**

**Matrix: Water**

**Date Received: 05/12/20 15:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	531109	05/12/20 13:51	WJD	TAL BUF
Total/NA	Prep	625			532031	05/15/20 15:41	ATG	TAL BUF
Total/NA	Analysis	625.1		1	532710	05/20/20 23:03	PJQ	TAL BUF
Total/NA	Prep	3510C			531887	05/15/20 08:37	JMP	TAL BUF
Total/NA	Analysis	608.3		1	532168	05/18/20 00:16	W1T	TAL BUF
Total/NA	Prep	200.7			531373	05/13/20 10:11	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	531676	05/13/20 23:13	LMH	TAL BUF
Total/NA	Prep	245.1			532242	05/18/20 12:30	BMB	TAL BUF
Total/NA	Analysis	245.1		1	532317	05/18/20 16:31	BMB	TAL BUF
Total/NA	Analysis	420.4		1	533227	05/23/20 02:30	SRA	TAL BUF
Total/NA	Analysis	SM 2540D		1	531389	05/13/20 09:48	BSF	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	532975	05/13/20 15:13	DLG	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	532329	05/18/20 14:50	BEF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	531471	05/13/20 13:00	SRA	TAL BUF
Total/NA	Analysis	SM 5210B		1	531296	05/12/20 22:25	SRW	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-169796-2**

**Date Collected: 05/11/20 00:00**

**Matrix: Water**

**Date Received: 05/12/20 15:45**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	531109	05/12/20 14:14	WJD	TAL BUF

## Laboratory References:

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

## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

## Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-169796-1	BCC BSA SUMP_0520	Water	05/11/20 00:00	05/12/20 15:45	
480-169796-2	TRIP BLANK	Water	05/11/20 00:00	05/12/20 15:45	



## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: Buffalo Color GWTF Sump

Job ID: 480-169796-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10

## Chain of Custody Record

**TestAmerica Laboratories, Inc.**

[illegible]

## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-169796-1

**Login Number: 169796**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Stopa, Erik S**

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.	False	No: No date or time on COC or containers
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OSC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

## **Field Data Collection Sheets**

Buffalo Color GWTF Weekly Process Assessment																											
		Bag Filter F-1A/1B		Bag Filter F-2A/2B		Multi-Media Filter F-30		LGAC CA-40 and CA-41						Effluent Tank No. 1 T-28				Effluent Tank No. 2 T-27			Discharge Lines To BSA Sump						
Date	Associate	Influent Pressure PI-1A	Effluent Pressure PI-1B	Influent Pressure PI-107A	Effluent Pressure PI-107B	Influent Pressure PI-30A	Effluent Pressure PI-30B	Flow Rate FE-60	Lead Influent Pressure PI-40A	Lead Effluent Pressure PI-40B	Lag Influent Pressure PI-41A	Lag Effluent Pressure PI-41B	PH Meter	Pressure PI-106A/B	Flow Rate FE-106	Totalizer FE-106	Pressure PI-106C	Flow Rate FE-107	Totalizer FE-107	Pressure PI-107C	Leak Detection Vault No. 1 Pressure PI-106D	Leak Detection Vault No. 1 Pressure PI-107D	Leak Detection Vault No. 3 Pressure PI-106E	Leak Detection Vault No. 3 Pressure PI-107E	Containment Line Pressure Gauge Checks		
4/3/2020	TW	44	41	33	26	36	32	22.3	34	30	32	26	7.67	21	22.2	28,810,520	21	23.7	85,497	21	4	10	1	1	y		
4/10/2020	TW	44	42	33	25	37	32	21.7	33	28	30	25	7.61	20	21.7	28,885,414	20	25.1	94,085	23	4	9	0	2	y		
4/17/2020	TW	45	43	33	21	39	33	21.9	35	30	3	26	7.67	21	21.9	28,960,636	21	21.6	102,986	18	3	8	0	2	y		
4/24/2020	TW	44	42	33	28	38	35	21.4	36	31	33	27	7.69	23	22.3	29,037,586	22	25.7	111,935	25	4	10	0	3	y		
5/1/2020	TW	45	39	33	26	35	30	20.8	32	28	30	25	7.66	20	20.9	29,112,954	20	25.6	120,377	25	4	10	0	3	y		
5/8/2020	TW	44	43	33	23	39	35	22.1	37	32	34	28	7.66	24	22.1	29,180,054	24	23.5	128,017	22	4	11	2	4	y		
5/15/2020	TW	45	42	33	17	38	35	21.1	35	32	33	28	7.77	23	21.2	29,257,338	23	19.7	136,325	17	3	9	1	3	y		
5/22/2020	TW	44	41	33	22	37	33	20.4	35	31	32	28	7.62	23	20.4	29,335,344	22	24.6	145,062	22	4	11	1	4	y		
5/29/2020	TW	44	40	33	21	37	32	21	36	32	33	27	7.59	23	20.6	29,413,200	21	24.7	153,713	21	3	11	0	3	y		
6/5/2020	TW	46	40	33	19	36	31	19.5	36	32	32	27	7.75	22	19.5	29,482,242	22	22.2	161,700	18	4	10	1	3	y		
6/12/2020	TW	48	44	33	24	40	36	19.8	37	32	34	28	7.7	25	19.9	29,558,648	25	25.6	170,861	23	3	12	1	3	y		
6/19/2020	TW	46	44	33	18	40	35	19.6	37	32	34	29	7.66	24	19.6	29,636,316	24	23	179,495	18	1	10	0	2	y		
6/26/2020	TW	47	43	33	25	39	32	18.1	35	29	30	26	7.79	22	18.2	29,711,440	22	26	195,341	24	3	13	0	2	y		

Buffalo Color Area A Observation Well Levels and Extraction Well Readings																															
MONTHLY READINGS			Observation Wells - Distance Between Water Level and Top of Well Casing (ft)												A-EW-1							A-EW-2									
															Flow Panel			Pump Control Panel			Extraction Well	Flow Panel			Pump Control Panel		Extraction Well				
Buffalo Color Area A Observatio n Well Levels and	Associate	Buffalo River Stadia Rod (ft)	A-OW-II	A-OW-1E	A-OW-2I	A-OW-2E	A-OW-3I	A-OW-3E	A-OW-4I	A-OW-4E	A-OW-5I	A-OW-5E	A-OW-6I	A-OW-6E	A-EW-1 Totalizer (gal)	A-EW-1 Flow Rate (gpm)	A-EW-1 Flow Panel PI (psi)	A-EW-1 SP (ft)	A-EW-1 PV (ft)	A-EW-1 VFD (Hz)	A-EW-1 Well Head PI (psi)	A-EW-1 DTW (ft)	A-EW-2 Totalizer (gal)	A-EW-2 Flow Rate (gpm)	A-EW-2 Flow Panel PI (psi)	A-EW-2 Flow Panel PI (psi)	A-EW-2 SP (ft)	A-EW-2 PV (ft)	A-EW-2 VFD (Hz)	A-EW-2 Well Head PI (psi)	A-EW-2 DTW (ft)
3/31/2020	TW	4.2	9.90	9.25	10.83	9.83	10.52	10.68	11.71	11.15	10.02	8.89	12.66	10.96	32,487,578	8.18	4	7.2	11.2	60	13	10.12	6,405,454	0.62	0	1	1	26.8	11	22.21	
4/28/2020	TW	5	10.52	9.41	11.28	9.5	10.88	10.72	11.11	11.18	10.34	9.05	12.94	11.10	32,784,994	8.18	4	7.2	10.8	60	13	10.51	6,427,705	0.58	0	1	1	25.3	11	22.2	
5/20/2020	TW	4.6	10.04	8.98	10.55	9.41	10.22	10.35	10.20	10.86	9.58	8.45	12.20	10.55	33,198,370	8.22	1	7.2	11.7	60	10	9.71	6,457,390	0.63	0	1	1	26.2	11	22.2	
6/17/2020	TW	5.2	10.30	9.30	11.11	9.5	10.78	10.80	11.02	11.27	10.25	9.00	12.85	11.06	33,351,936	8.19	1	7.2	10.8	60	8	10.42	6,468,260	0.56	0	1	1	25.5	11	22.21	

Buffalo Color Area A Observation Well Levels and Extraction Well Readings

A-EW-3A								A-EW-4								A-EW-5								Set Point (SP) Process Variable (PV) Variable Frequency Drive (VFD) Pressure Indicator (PI) Depth To Water (DTW)			
Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Comments			
A-EW-3A Totalizer (gal)	A-EW-3A Flow Rate (gpm)	A-EW-3A Flow Panel PI (psi)	A-EW-3A SP (ft)	A-EW-3A PV (ft)	A-EW-3A VFD (Hz)	A-EW-3A Well Head PI (psi)	A-EW-3A DTW (ft)	A-EW-4 Totalizer (gal)	A-EW-4 Flow Rate (gpm)	A-EW-4 Flow Panel PI (psi)	A-EW-4 SP (ft)	A-EW-4 PV (ft)	A-EW-4 VFD (Hz)	A-EW-4 Well Head PI (psi)	A-EW-4 DTW (ft)	A-EW-5 Totalizer (gal)	A-EW-5 Flow Rate (gpm)	A-EW-5 Flow Panel PI (psi)	A-EW-5 SP (ft)	A-EW-5 PV (ft)	A-EW-5 VFD (Hz)	A-EW-5 Well Head PI (psi)	A-EW-5 DTW (ft)				
13,536,797	0.53	0	1.2	1.2	20.7	5	22.13	6,651,610	0.47	0	1.5	1.5	25.7	7	22.84	5,192,956	0.65	3	1.5	1.5	37.6	5	21.8		System start up- 3/27/20		
13,556,082	0.5	0	1.2	1.2	20.3	5	22.17	6,662,171	0.29	0	1.5	1.5	32.8	2	24.51	5,215,708	0.57	2	1.5	1.5	38.5	5	22.24				
13,581,340	0.5	0	1.2	1.2	20.2	2	22.14	6,678,035	0.33	0	1.5	1.5	27.8	1	25.49	5,245,811	0.62	2	1.5	1.6	42.6	5	21.94				
13,590,633	0.47	0	1.2	1.2	20	0	22.12	6,684,565	0.28	0	1.5	1.5	27.2	0	26.8	5,256,787	0.56	1	1.5	1.6	40.4	5	22.11				

**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
4/1/2020					1			1					
4/2/2020								1	1		1	1	
4/3/2020					1	1		1	1	1			
4/4/2020													
4/5/2020													
4/6/2020					1			1	1	1			
4/7/2020								1					
4/8/2020					1			1		1			
4/9/2020							1	1					Clean Tank #10, lines for #1&5
4/10/2020					1	1		1	1	1			
4/11/2020													
4/12/2020													
4/13/2020					1			1	1	1			
4/14/2020									2	1			Acid clean Well #4 & 5
4/15/2020								1	1				
4/16/2020					1			1		1			
4/17/2020					1	1		1	1	1			
4/18/2020													
4/19/2020													
4/20/2020					1			1	1	1			
4/21/2020								1					
4/22/2020						1		1	1		1		
4/23/2020							1	1					
4/24/2020					1	1		1	1	1			
4/25/2020													
4/26/2020													
4/27/2020					1			1	1	1			
4/28/2020								1					
4/29/2020					1			1	1				
4/30/2020							1	1	1	1			Run D well pumps
5/1/2020					1	1		1	1	1			
5/2/2020													
5/3/2020													
5/4/2020					1			1	1	1			
5/5/2020								1					
5/6/2020					1	1	1	1	1	1			Gac Sample
5/7/2020							1	1					
5/8/2020					1	1		1	1	1			
5/9/2020													
5/10/2020													
5/11/2020					1			1	1	1			
5/12/2020								1	1				Run D well pumps
5/13/2020						1		1		1			
5/14/2020							1	1					
5/15/2020					1	1		1	1	1			
5/16/2020													
5/17/2020													
5/18/2020					1			1	1	1			
5/19/2020													
5/20/2020					1			1	1	1			
5/21/2020							1	1					
5/22/2020					1	1		1	1	1			
5/23/2020													
5/24/2020													
5/25/2020													
5/26/2020					1	1		1	1	1			



**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
5/27/2020								1					
5/28/2020					1		1	1	1				
5/29/2020					1	1		1	1	1			
5/30/2020													
5/31/2020													
6/1/2020								1	1	1			
6/2/2020						1		1	6	5			Water from developing wells
6/3/2020					1			1	5	5			Water from developing wells
6/4/2020								1		1			
6/5/2020					1	1		1	1	1			
6/6/2020													
6/7/2020													
6/8/2020								1	1	1			
6/9/2020								1					
6/10/2020						1		1	1				
6/11/2020					1		1	1				1	Acid clean Well #4
6/12/2020					1	1		1	1	1			
6/13/2020													
6/14/2020													
6/15/2020					1			1	1	1			
6/16/2020						1		1					
6/17/2020					1			1		1			
6/18/2020													
6/19/2020					1	1		1	1	1			
6/20/2020													
6/21/2020													
6/22/2020					1			1	1	1			
6/23/2020								1					
6/24/2020						1		1	1	1	1		
6/25/2020					1			1	2	2	1	1	
6/26/2020					1	1		1	1	1			
6/27/2020													
6/28/2020													
6/29/2020					1			1	1	1			
6/30/2020						1		1					



October 30, 2020

Michael Szilagyi  
Industrial Waste Administrator  
Buffalo Sewer Authority  
90 West Ferry Street  
Buffalo, New York, 14213

**Subject: South Buffalo Development Corporation, LLC  
Former Buffalo Color Corporation Site  
Permit #20-06-BU109  
OSC Project ID: 16011**

Dear Mr. Szilagyi:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting the Discharge Monitoring Report for the Buffalo Color Remediation Site covering the period of July 1 through September 30, 2020. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #20-06-BU109.

Included with the report are:

- Operation log sheets;
- A copy of the current BSA discharge permit;
- Schematic showing the location for monitoring and sampling;
- Summary of the discharge flow by month;
- Comparison of analytical data to permit limits; and
- Analytical laboratory results.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Kirsten Colligan  
Project Manager - *Ontario Specialty Contracting, Inc.*

cc:	Richard Galloway	Honeywell
	Eugene Melnyk	NYSDEC Region 9
	John Yensan	South Buffalo Development, LLC

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York, 14213**

**B.P.D.E.S. Permit No. #20-06-BU109  
Former Buffalo Color Corporation Site  
South Buffalo Development Corporation LLC (SBD)  
Reporting Period: July 1, 2020 through September 30, 2020**

The following is the discharge data associated with the operations of the former Buffalo Color Corporation Area A and D Groundwater Extraction System throughout the reporting period. A schematic representing the current locations for discharge sampling is provided as an attachment. The monthly flow data presented is based upon flow data from the EW-1, EW-2, EW-3, EW-4, and EW-5 flow totalizers, plus any flow from the Area D well pumping. All samples gathered were grab samples and analysis was provided by TestAmerica located in Amherst, NY. The sample event analytical results are attached.

Total Flow Data by Month:

July 2020	373,968 gallons
August 2020	493,346 gallons
September 2020	521,292 gallons

Total Quarterly Discharge      1,392,298 gallons

Estimated Area D contribution this period:

3,692 gallons

Estimated Area D contribution this period:

3,262 gallons

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Kirsten Colligan  
Project Manager

Ontario Specialty Contracting, Inc.

Attachments:

BSA Permit Analytical Summary Table, BSA Discharge Permit, Monitoring and Sampling Schematic, Laboratory Analytical Results, and Field Data Collection Sheets

**BSA Permit Analytical Summary Table**

**Compliance Confirmation  
Discharge Monitoring Report**

BSA Permit No.	20-06-BU109	Effective June 1, 2020
Sample Date:	8/4/2020	
Sample Location:	Onsite Pump Station to BSA	

Year: 2020  
Month: SEP

Event Group: SUMP  
Lab Job ID: J173355-1

BSA Permit Parameter		Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance	MAID mg/L	Quantity mg/L	Permit Compliance
Chemical	CAS No. / Method ID	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit				
pH	PH	8.5	0.100	SU	8.50	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.097	0.010	mg/L	0.012	lbs/day	1.67	lbs/day	Yes	20	0.097	Yes
Total Chromium	7440-47-3	0.0095	0.0040	mg/L	0.0012	lbs/day	0.83	lbs/day	Yes	40	0.01	Yes
Total Copper	7440-50-8	0.0044	0.010	mg/L	0.001	lbs/day	0.67	lbs/day	Yes	16	0.0044	Yes
Lead	7439-92-1	0.0065	0.0050	mg/L	0.0008	lbs/day	0.541	lbs/day	Yes	65	0.0065	Yes
Total Mercury	7439-97-6	ND	0.00020	mg/L	ND	lbs/day	0.00033	lbs/day	Yes	0.0008	ND	Yes
Total Nickel	7440-02-0	0.0061	0.010	mg/L	0.0008	lbs/day	1.17	lbs/day	Yes	14	0.0061	Yes
Zinc	7440-66-6	0.0080	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.008	Yes
Amendable Cyanide	CAN	0.02	0.010	mg/L	0.003	lbs/day	2.59	lbs/day	Yes	6.2	0.020	Yes
Total PCB	Sum Method_E608	ND	0.060	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	8.4	40	ug/L	1.072	lbs/day	50	lbs/day	Yes	0.01	0.0084	Yes
Benzene	71-43-2	ND	5	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	ND	5	ug/L	ND	lbs/day	0.129	lbs/day	Yes	0.31	ND	Yes
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	20	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	20	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	ND	25	ug/L	ND	mg/L	*	mg/L	Yes			
Total Suspended Solids	TSS	ND	4.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	0.33	0.010	mg/L	0.330	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	10.62498474	-	gpm	15,300	gpd	50,000	gpd	Yes			

\*Permit requires reporting of Aniline or Aniline Derivative and Max Individual Purgeables concentrations in excess of 0.01 mg/L

\*\*Analyzed by total phosphorus method SM 4500-P E

MAID - Maximum Allowable Instantaneous Discharge

<b>Flow Calculations</b>			
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)			
Initial Reading	65,384,431		7/1/2020
Final Reading	66,776,729		9/30/2020
Total Days in Period	91		
<b>Total Flow for Period</b>	<b>1,392,298</b>	gallons	
<b>Average Flow for Period</b>	<b>10.62</b>	gpm	

## **BSA Discharge Permit**



**ADMINISTRATIVE OFFICES**

1038 CITY HALL  
65 NIAGARA SQUARE  
BUFFALO, NY 14202-3378  
PHONE: (716) 851-4664  
FAX: (716) 856-5810

**WASTEWATER TREATMENT PLANT**

FOOT OF WEST FERRY  
90 WEST FERRY STREET  
BUFFALO, NY 14213-1799  
PHONE: (716) 851-4664  
FAX: (716) 883-3789

April 30, 2020

Ms. Kirsten Colligan  
Project Manager  
333 Ganson Street  
Buffalo, New York 14203

RECEIVED MAY 04 2020



**RE: B.P.D.E.S. Permit #20-06-BU109**

Dear Mr. Gabner:

Enclosed is your new BPDES Permit #20-06-BU109. This permit is issued by The Buffalo Sewer Authority.

This original permit must be maintained at your South Park Avenue remediation facility and must be available for inspection at all times. It is your responsibility to assure continual compliance with the terms and conditions of this permit. Finally, you must apply for renewal at least 6 months before this permit expires.

If you have any further questions, please call Mike Szilagyi at 716-851-4664, ext. 5253 or myself at 716-851-4664, ext. 5250.

Very truly yours,  
BUFFALO SEWER AUTHORITY

Leslie Sedita  
Industrial Waste Administrator

cc: D. Rossney  
M. Szilagyi

**AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO  
POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NO. 20-06-BU109  
EPA 40CFR 403**

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, and the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

**South Buffalo Development, LLC.**

to discharge remediated wastewater from the site located at:

**Areas A and D of the former Buffalo Color Corporation Site  
1037 South Park Avenue, Buffalo, New York 14210**

to the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **February 15, 2020** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

**Effective this June 1, 2020**

**To Expire May 31, 2023**

  
\_\_\_\_\_  
**General Manager**

Signed this 30<sup>th</sup> day of APRIL, 20 20



**PART I: SPECIFIC CONDITIONS**

**A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS**

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfalls (see attached maps) shall be limited and monitored **Quarterly** by the permittee as specified below:

Sample		Discharge Limitations		Sampling Requirements	
Point	Parameter	Daily Max	MAID* (mg/L)	Type	Frequency
001	pH <sup>(1)</sup>	5.0 - 12.0 SU		Probe	Quarterly
	Total Flow	50,000 gals		Flow Meter <sup>(2)</sup>	Continuous
	BOD <sub>5</sub>	250 mg/L <sup>(3)</sup>		Composite <sup>(4)</sup>	Quarterly
	Total Suspended Solids	250 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phosphate	15.35 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phenol <sup>(5)</sup>	1.67 lbs	20.0	Composite	Quarterly
	Amenable Cyanide	2.59 lbs	6.2	Grab <sup>(7)</sup>	Quarterly
	Total Mercury	0.00033 lbs	0.0008	Composite	Quarterly
	Total Nickel	1.17 lbs	14.0	Composite	Quarterly
	Total Copper	0.67 lbs	16.0	Composite	Quarterly
	Total Chromium	0.83 lbs	40.0	Composite	Quarterly
	Lead	0.541 lbs	65.0	Composite	Quarterly
	Zinc	2.046 lbs	25.0	Composite	Quarterly
	Purgeables-EPA Test Methods 624	<sup>(6)</sup>		Grab <sup>(7)</sup>	Quarterly
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	<sup>(8)</sup>			Quarterly
	EPA Test Method 608	<sup>(9)</sup>		Grab	Quarterly
	Aniline	50.0 lbs	0.00	Grab	Quarterly
	Benzene	0.059 lbs	0.142 mg/L	Grab	Quarterly
	Chlorobenzene	0.129 lbs	0.310 mg/L	Grab	Quarterly
	1, 2-Dichlorobenzene	0.197 lbs.	0.472 mg/L	Grab	Quarterly
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Grab	Quarterly
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Naphthalene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Anthracene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	Maid*	Type	Frequency
	Fluorene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Phenanthrene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

\*M.A.I.D. – Maximum Allowable Instantaneous Discharge – Slug Limit.  
SEE PAGE FOUR (4) FOR EXPLANATION OF SPECIFIC REQUIREMENTS.

## PART I: SPECIFIC CONDITIONS

### B. DISCHARGE MONITORING REPORTING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported quarterly by the permittee on the days specified below:

Sample Point	Parameter	Reporting	Requirements
001	All Analytes	Initial Report*	Subsequent Reports*
		July 31, 2020	October 31, 2020
			January 31, 2021
			April 30, 2021
			July 31, 2021
			October 31, 2021
			January 31, 2022
			April 30, 2022
			July 31, 2022
			October 31, 2022 **
			January 31, 2023
			April 30, 2023

\* Each reporting dated is for samples collected during the previous quarter.

\*\* The Industrial Discharge Permit Application to renew discharge permit is due six (6) months prior to the expiration of this permit.

## **PART I: SPECIFIC CONDITIONS**

### **C. SPECIAL REQUIREMENTS**

- (1) The pH meter must be calibrated and maintained in accordance with the manufacturer's specifications. The calibrations and the person(s) responsible for it must be recorded in a bound logbook. This logbook must be available for BSA inspection at all times.
- (2) All flow meters must be calibrated and certified by a certified manufacturer's representative at least once per year. This report must be submitted with the annual report. All flow meters must be serviced and maintained in accordance with the manufacturer's specifications. The BSA must be notified of any malfunctions which last for more than 24 hours within three (3) days of the malfunction. If a flow meter, especially at SP001, remains out of service for more than five (5) consecutive days, the permittee must install a temporary meter until such time as the defective meter is repaired or replaced. The BSA at its option, may require a written report on any malfunctions.
- (3) Surchargeable limit only.
- (4) Composite samples may be flow proportioned.
- (5) EPA Test Method 604.
- (6) The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.
- (7) Four grab samples must be properly taken and preserved over an equally spaced time period during a normal discharge day. The four grab samples must be flow proportionally composited at a New York State Department of Health certified lab.
- (8) All samples collected for the base neutral and acid extractable EPA analytical test procedures must go through a special cleanup to prevent aniline and aniline derivative interference of the analytical method. The permittee must report any aniline and aniline derivative whose concentration is greater than 0.01 mg/L.

- (9) The permittee must report any compound whose concentration is greater than 0.30 ug/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.



**BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT  
PART II: GENERAL CONDITIONS**

**A. MONITORING AND REPORTING**

**1. Local Limits**

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

**2. Definitions**

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

**3. Discharge Sampling Analysis**

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

**4. Recording of Results**

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

**5. Additional Monitoring by Permittee**

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.



**6. Reporting**

All reports prepared in accordance with this Permit shall be submitted to:

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York 14213**

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

**7. Certification Statement**

All self-monitoring reports shall include the following certification statement, signed by the preparer of the report:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".*

**B. PERMITTEE REQUIREMENTS**

**1. Change in Discharge**

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.



**2. Records Retention**

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

**3. Slug Control Plan**

Upon written notification by the BSA that a slug control plan is necessary for the permittee, the plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines" sheet. Within 90 days of the BSA notification, the permittee must implement the slug control plan

**4. Notification of Slug, Accidental Discharge or Spill**

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM - 3:00 PM call 716-851-4664, ext. 5374. After normal business hours call 716-851-4664, ext. 600. For all slug discharges, and when requested by the BSA following an accidental discharge or spill, within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

**5. Noncompliance Notification**

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 716-851-4664 ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. a description of the discharge and cause of noncompliance and;
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying discharge.

Additionally, the permittee shall repeat the sampling and analysis and submit these results of the report analysis to the Industrial Waste Section within 30 days after becoming aware of the violation.

**6. Adverse Impact**

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**7. Waste Residuals**

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

**8. Power Failures**

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

**9. Treatment Upsets**

- a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:
  - (i) A description of the upset, its cause(s) and impact on the discharger's compliance status;
  - (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;
  - (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.
- b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any

noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

**10. Treatment Bypasses**

- a. A bypass of the treatment system is prohibited unless the following conditions are met:
  - (i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or
  - (ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and
  - (iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.
- b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.
- c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

**C. PERMITTEE RESPONSIBILITIES**

**1. Permit Availability**

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

**2. Inspections**

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

**3. Transfer of Ownership or Control**

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

**D. PERMITTEE LIABILITIES**

**1. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

- a. Violation of any terms or conditions of this permit,
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**2. Imminent Danger**

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

**3. Civil and Criminal Liability**

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

**E. NATIONAL PRETREATMENT STANDARDS**

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

**F. PLANT CLOSURE**

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

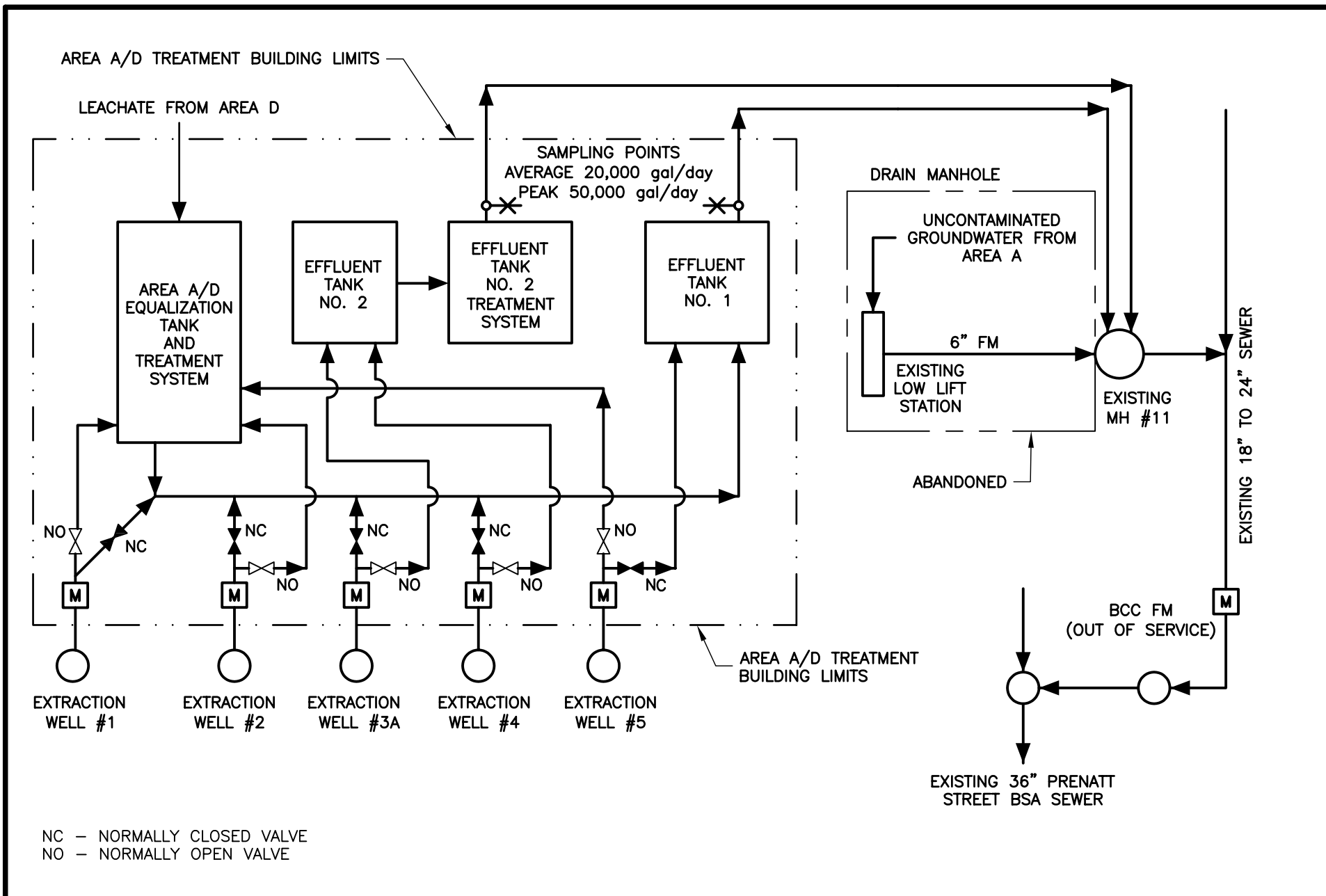
**G. CONFIDENTIALITY**

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**H. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## **Monitoring and Sampling Schematics**



FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY



Ontario Specialty Contracting, Inc.  
Environmental Remediation • Demolition / Dismantlement • Brownfield Redevelopment

GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

## **Laboratory Analytical Results**



## ANALYTICAL REPORT

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

Laboratory Job ID: 480-173355-1

Client Project/Site: 37745-Buffalo Color GWTF SUMP  
Sampling Event: Buffalo Color - Quarterly Sump

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:

8/17/2020 10:59:38 AM

Rebecca Jones, Project Management Assistant I

[Rebecca.Jones@Eurofinset.com](mailto:Rebecca.Jones@Eurofinset.com)

Designee for

John Schove, Project Manager II

(716)504-9838

[John.Schove@Eurofinset.com](mailto:John.Schove@Eurofinset.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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

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# Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.

### 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.

### GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

### Metals

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.

### General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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)

Eurofins TestAmerica, Buffalo

## Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Job ID: 480-173355-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-173355-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/4/2020 4:23 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7° C.

#### GC/MS VOA

Method 624.1: The following sample submitted for volatiles analysis was received with insufficient preservation (pH >2): BCC\_BSSA\_SUMP\_0820 (480-173355-1) and TRIP BLANK (480-173355-2).

Method 624.1: The laboratory control sample (LCS) analyzed in batch 240-446451 was below the recovery control criteria for acrolein. This variance only affects results measured above the reporting limit. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. This demonstrates the analyte reporting limit is valid, and it is acceptable to report ND results (non-detects). The samples associated with the LCS were non-detects for the affected analytes; therefore, the results were reported. The following samples are impacted: BCC\_BSSA\_SUMP\_0820 (480-173355-1), TRIP BLANK (480-173355-2) and (LCS 240-446451/5).

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

#### GC/MS Semi VOA

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

#### GC Semi VOA

Method 608.3: Surrogate recovery for the following sample was outside control limits: BCC\_BSSA\_SUMP\_0820 (480-173355-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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.

#### General Chemistry

Method SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC\_BSSA\_SUMP\_0820 (480-173355-1).

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

#### Organic Prep

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

## Detection Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

**Client Sample ID: BCC\_BSSA\_SUMP\_0820**

**Lab Sample ID: 480-173355-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.4	J B	25	1.3	ug/L	1		624.1	Total/NA
Aniline	8.4	J	40	1.5	ug/L	1		625.1	Total/NA
Di-n-butyl phthalate	9.1	J	20	1.6	ug/L	1		625.1	Total/NA
Chromium	0.0095		0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0044	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0065	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0061	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0080	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.097	^ B	0.010	0.0035	mg/L	1		420.4	Total/NA
Cyanide, Amenable	0.020		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
pH	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	9.1	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA
Phosphorus	0.33		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-173355-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.1	J B	25	1.3	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

Client Sample ID: BCC\_BSSA\_SUMP\_0820

Lab Sample ID: 480-173355-1

Date Collected: 08/04/20 13:00

Matrix: Water

Date Received: 08/04/20 16:23

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.24	ug/L			08/11/20 03:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.56	ug/L			08/11/20 03:59	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/L			08/11/20 03:59	1
1,1-Dichloroethane	ND		5.0	0.41	ug/L			08/11/20 03:59	1
1,1-Dichloroethene	ND		5.0	0.46	ug/L			08/11/20 03:59	1
1,2-Dichlorobenzene	ND		5.0	0.43	ug/L			08/11/20 03:59	1
1,2-Dichloroethane	ND		5.0	0.43	ug/L			08/11/20 03:59	1
1,2-Dichloroethene, Total	ND		5.0	0.33	ug/L			08/11/20 03:59	1
1,2-Dichloropropane	ND		5.0	0.37	ug/L			08/11/20 03:59	1
1,3-Dichlorobenzene	ND		5.0	0.40	ug/L			08/11/20 03:59	1
1,4-Dichlorobenzene	ND		5.0	0.37	ug/L			08/11/20 03:59	1
2-Chloroethyl vinyl ether	ND		50	1.1	ug/L			08/11/20 03:59	1
Acrolein	ND	* F1	100	2.1	ug/L			08/11/20 03:59	1
Acrylonitrile	ND		100	6.5	ug/L			08/11/20 03:59	1
Benzene	ND		5.0	0.38	ug/L			08/11/20 03:59	1
Bromoform	ND		5.0	0.76	ug/L			08/11/20 03:59	1
Bromomethane	ND		5.0	0.42	ug/L			08/11/20 03:59	1
Carbon tetrachloride	ND		5.0	0.26	ug/L			08/11/20 03:59	1
Chlorobenzene	ND		5.0	0.32	ug/L			08/11/20 03:59	1
Dibromochloromethane	ND		5.0	0.39	ug/L			08/11/20 03:59	1
Chloroethane	ND		5.0	0.83	ug/L			08/11/20 03:59	1
Chloroform	ND		5.0	0.40	ug/L			08/11/20 03:59	1
Chloromethane	ND		5.0	0.64	ug/L			08/11/20 03:59	1
cis-1,3-Dichloropropene	ND		5.0	0.61	ug/L			08/11/20 03:59	1
Bromodichloromethane	ND		5.0	0.35	ug/L			08/11/20 03:59	1
Ethylbenzene	ND		5.0	0.39	ug/L			08/11/20 03:59	1
<b>Methylene Chloride</b>	<b>1.4</b>	<b>J B</b>	25	1.3	ug/L			08/11/20 03:59	1
Tetrachloroethene	ND		5.0	0.33	ug/L			08/11/20 03:59	1
Toluene	ND		5.0	0.35	ug/L			08/11/20 03:59	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/L			08/11/20 03:59	1
Trichloroethene	ND		5.0	0.36	ug/L			08/11/20 03:59	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			08/11/20 03:59	1
Vinyl chloride	ND		5.0	0.50	ug/L			08/11/20 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 130		08/11/20 03:59	1
4-Bromofluorobenzene (Surr)	92		47 - 134		08/11/20 03:59	1
Toluene-d8 (Surr)	103		69 - 122		08/11/20 03:59	1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		08/11/20 08:51	08/12/20 21:11	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		08/11/20 08:51	08/12/20 21:11	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		08/11/20 08:51	08/12/20 21:11	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,4-Dimethylphenol	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 21:11	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

Client Sample ID: BCC\_BSSA\_SUMP\_0820

Lab Sample ID: 480-173355-1

Date Collected: 08/04/20 13:00

Matrix: Water

Date Received: 08/04/20 16:23

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
2-Chloronaphthalene	ND		20	0.91	ug/L		08/11/20 08:51	08/12/20 21:11	1
2-Chlorophenol	ND		20	0.66	ug/L		08/11/20 08:51	08/12/20 21:11	1
2-Nitrophenol	ND		20	0.70	ug/L		08/11/20 08:51	08/12/20 21:11	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		08/11/20 08:51	08/12/20 21:11	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		08/11/20 08:51	08/12/20 21:11	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 21:11	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 21:11	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 21:11	1
4-Nitrophenol	ND		40	10	ug/L		08/11/20 08:51	08/12/20 21:11	1
Acenaphthene	ND		20	0.81	ug/L		08/11/20 08:51	08/12/20 21:11	1
Acenaphthylene	ND		20	0.87	ug/L		08/11/20 08:51	08/12/20 21:11	1
Aniline	8.4	J	40	1.5	ug/L		08/11/20 08:51	08/12/20 21:11	1
Anthracene	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzidine	ND		320	35	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzo[a]anthracene	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzo[a]pyrene	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 21:11	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 21:11	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		08/11/20 08:51	08/12/20 21:11	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		08/11/20 08:51	08/12/20 21:11	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		08/11/20 08:51	08/12/20 21:11	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 21:11	1
Chrysene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 21:11	1
Diethyl phthalate	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Dimethyl phthalate	ND		20	0.91	ug/L		08/11/20 08:51	08/12/20 21:11	1
Di-n-butyl phthalate	9.1	J	20	1.6	ug/L		08/11/20 08:51	08/12/20 21:11	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 21:11	1
Fluoranthene	ND		20	1.6	ug/L		08/11/20 08:51	08/12/20 21:11	1
Fluorene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Hexachlorobenzene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Hexachlorobutadiene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Hexachloroethane	ND		20	0.60	ug/L		08/11/20 08:51	08/12/20 21:11	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 21:11	1
Isophorone	ND		20	0.74	ug/L		08/11/20 08:51	08/12/20 21:11	1
Naphthalene	ND		20	0.86	ug/L		08/11/20 08:51	08/12/20 21:11	1
Decane	ND		40	1.6	ug/L		08/11/20 08:51	08/12/20 21:11	1
Nitrobenzene	ND		20	0.81	ug/L		08/11/20 08:51	08/12/20 21:11	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		08/11/20 08:51	08/12/20 21:11	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		08/11/20 08:51	08/12/20 21:11	1
n-Octadecane	ND		40	1.2	ug/L		08/11/20 08:51	08/12/20 21:11	1
Pentachlorophenol	ND		40	5.4	ug/L		08/11/20 08:51	08/12/20 21:11	1
Phenanthrene	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 21:11	1
Phenol	ND		20	0.35	ug/L		08/11/20 08:51	08/12/20 21:11	1

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

Client Sample ID: BCC\_BSSA\_SUMP\_0820

Lab Sample ID: 480-173355-1

Date Collected: 08/04/20 13:00

Matrix: Water

Date Received: 08/04/20 16:23

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 21:11	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 21:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	111		52 - 151				08/11/20 08:51	08/12/20 21:11	1
2-Fluorobiphenyl	108		44 - 120				08/11/20 08:51	08/12/20 21:11	1
2-Fluorophenol	85		17 - 120				08/11/20 08:51	08/12/20 21:11	1
Nitrobenzene-d5	99		15 - 314				08/11/20 08:51	08/12/20 21:11	1
Phenol-d5	62		8 - 424				08/11/20 08:51	08/12/20 21:11	1
p-Terphenyl-d14	100		22 - 125				08/11/20 08:51	08/12/20 21:11	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1221	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1232	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1242	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1248	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1254	ND		0.060	0.031	ug/L		08/12/20 15:08	08/13/20 16:42	1
PCB-1260	ND		0.060	0.031	ug/L		08/12/20 15:08	08/13/20 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	26	X	36 - 121				08/12/20 15:08	08/13/20 16:42	1
Tetrachloro-m-xylene	73		42 - 135				08/12/20 15:08	08/13/20 16:42	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0095		0.0040	0.0010	mg/L		08/07/20 08:20	08/07/20 19:58	1
Copper	0.0044	J	0.010	0.0016	mg/L		08/07/20 08:20	08/07/20 19:58	1
Lead	0.0065	J	0.010	0.0030	mg/L		08/07/20 08:20	08/07/20 19:58	1
Nickel	0.0061	J	0.010	0.0013	mg/L		08/07/20 08:20	08/07/20 19:58	1
Zinc	0.0080	J	0.010	0.0015	mg/L		08/07/20 08:20	08/07/20 19:58	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/10/20 12:21	08/10/20 16:35	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.097	^ B	0.010	0.0035	mg/L			08/07/20 18:49	1
Cyanide, Amenable	0.020		0.010	0.0050	mg/L			08/07/20 14:43	1
Phosphorus	0.33		0.010	0.0050	mg/L as P			08/11/20 12:15	1
Biochemical Oxygen Demand	ND		6.0	6.0	mg/L			08/06/20 02:22	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/10/20 16:23	1
pH	8.5	HF	0.1	0.1	SU			08/06/20 11:08	1
Temperature	9.1	HF	0.001	0.001	Degrees C			08/06/20 11:08	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-173355-2**

**Date Collected: 08/04/20 00:00**

**Matrix: Water**

**Date Received: 08/04/20 16:23**

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.24	ug/L			08/11/20 03:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.56	ug/L			08/11/20 03:37	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/L			08/11/20 03:37	1
1,1-Dichloroethane	ND		5.0	0.41	ug/L			08/11/20 03:37	1
1,1-Dichloroethene	ND		5.0	0.46	ug/L			08/11/20 03:37	1
1,2-Dichlorobenzene	ND		5.0	0.43	ug/L			08/11/20 03:37	1
1,2-Dichloroethane	ND		5.0	0.43	ug/L			08/11/20 03:37	1
1,2-Dichloroethene, Total	ND		5.0	0.33	ug/L			08/11/20 03:37	1
1,2-Dichloropropane	ND		5.0	0.37	ug/L			08/11/20 03:37	1
1,3-Dichlorobenzene	ND		5.0	0.40	ug/L			08/11/20 03:37	1
1,4-Dichlorobenzene	ND		5.0	0.37	ug/L			08/11/20 03:37	1
2-Chloroethyl vinyl ether	ND		50	1.1	ug/L			08/11/20 03:37	1
Acrolein	ND	*	100	2.1	ug/L			08/11/20 03:37	1
Acrylonitrile	ND		100	6.5	ug/L			08/11/20 03:37	1
Benzene	ND		5.0	0.38	ug/L			08/11/20 03:37	1
Bromoform	ND		5.0	0.76	ug/L			08/11/20 03:37	1
Bromomethane	ND		5.0	0.42	ug/L			08/11/20 03:37	1
Carbon tetrachloride	ND		5.0	0.26	ug/L			08/11/20 03:37	1
Chlorobenzene	ND		5.0	0.32	ug/L			08/11/20 03:37	1
Dibromochloromethane	ND		5.0	0.39	ug/L			08/11/20 03:37	1
Chloroethane	ND		5.0	0.83	ug/L			08/11/20 03:37	1
Chloroform	ND		5.0	0.40	ug/L			08/11/20 03:37	1
Chloromethane	ND		5.0	0.64	ug/L			08/11/20 03:37	1
cis-1,3-Dichloropropene	ND		5.0	0.61	ug/L			08/11/20 03:37	1
Bromodichloromethane	ND		5.0	0.35	ug/L			08/11/20 03:37	1
Ethylbenzene	ND		5.0	0.39	ug/L			08/11/20 03:37	1
<b>Methylene Chloride</b>	<b>2.1</b>	<b>J B</b>	25	1.3	ug/L			08/11/20 03:37	1
Tetrachloroethene	ND		5.0	0.33	ug/L			08/11/20 03:37	1
Toluene	ND		5.0	0.35	ug/L			08/11/20 03:37	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/L			08/11/20 03:37	1
Trichloroethene	ND		5.0	0.36	ug/L			08/11/20 03:37	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			08/11/20 03:37	1
Vinyl chloride	ND		5.0	0.50	ug/L			08/11/20 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 130		08/11/20 03:37	1
4-Bromofluorobenzene (Surr)	97		47 - 134		08/11/20 03:37	1
Toluene-d8 (Surr)	108		69 - 122		08/11/20 03:37	1

Eurofins TestAmerica, Buffalo

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DCA (75-130)	BFB (47-134)	TOL (69-122)
480-173355-1	BCC_BSSA_SUMP_0820	104	92	103
480-173355-1 MS	BCC_BSSA_SUMP_0820	95	105	109
480-173355-1 MSD	BCC_BSSA_SUMP_0820	96	104	109
480-173355-2	TRIP BLANK	107	97	108
LCS 240-446451/5	Lab Control Sample	93	102	107
MB 240-446451/8	Method Blank	101	95	105

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	PHL (8-424)	TPHd14 (22-125)
480-173355-1	BCC_BSSA_SUMP_0820	111	108	85	99	62	100
LCS 480-544522/2-A	Lab Control Sample	112	105	85	104	68	112
MB 480-544522/1-A	Method Blank	99	102	82	95	61	113

### Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHd14 = p-Terphenyl-d14

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (36-121)	TCX2 (42-135)
480-173355-1	BCC_BSSA_SUMP_0820	26 X	73
LCS 480-544851/2-A	Lab Control Sample	39	75
LCSD 480-544851/3-A	Lab Control Sample Dup	42	76
MB 480-544851/1-A	Method Blank	41	79

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-446451/8

Matrix: Water

Analysis Batch: 446451

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	0.048	ug/L			08/10/20 19:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.11	ug/L			08/10/20 19:45	1
1,1,2-Trichloroethane	ND		1.0	0.078	ug/L			08/10/20 19:45	1
1,1-Dichloroethane	ND		1.0	0.081	ug/L			08/10/20 19:45	1
1,1-Dichloroethene	ND		1.0	0.092	ug/L			08/10/20 19:45	1
1,2-Dichlorobenzene	ND		1.0	0.086	ug/L			08/10/20 19:45	1
1,2-Dichloroethane	ND		1.0	0.085	ug/L			08/10/20 19:45	1
1,2-Dichloroethene, Total	ND		1.0	0.066	ug/L			08/10/20 19:45	1
1,2-Dichloropropane	ND		1.0	0.074	ug/L			08/10/20 19:45	1
1,3-Dichlorobenzene	ND		1.0	0.081	ug/L			08/10/20 19:45	1
1,4-Dichlorobenzene	ND		1.0	0.075	ug/L			08/10/20 19:45	1
2-Chloroethyl vinyl ether	ND		10	0.22	ug/L			08/10/20 19:45	1
Acrolein	ND		20	0.41	ug/L			08/10/20 19:45	1
Acrylonitrile	ND		20	1.3	ug/L			08/10/20 19:45	1
Benzene	ND		1.0	0.077	ug/L			08/10/20 19:45	1
Bromoform	ND		1.0	0.15	ug/L			08/10/20 19:45	1
Bromomethane	ND		1.0	0.084	ug/L			08/10/20 19:45	1
Carbon tetrachloride	ND		1.0	0.052	ug/L			08/10/20 19:45	1
Chlorobenzene	ND		1.0	0.064	ug/L			08/10/20 19:45	1
Dibromochloromethane	ND		1.0	0.078	ug/L			08/10/20 19:45	1
Chloroethane	ND		1.0	0.17	ug/L			08/10/20 19:45	1
Chloroform	ND		1.0	0.081	ug/L			08/10/20 19:45	1
Chloromethane	ND		1.0	0.13	ug/L			08/10/20 19:45	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/10/20 19:45	1
Bromodichloromethane	ND		1.0	0.070	ug/L			08/10/20 19:45	1
Ethylbenzene	ND		1.0	0.078	ug/L			08/10/20 19:45	1
Methylene Chloride	0.401	J	5.0	0.26	ug/L			08/10/20 19:45	1
Tetrachloroethene	ND		1.0	0.065	ug/L			08/10/20 19:45	1
Toluene	ND		1.0	0.069	ug/L			08/10/20 19:45	1
trans-1,3-Dichloropropene	ND		1.0	0.13	ug/L			08/10/20 19:45	1
Trichloroethene	ND		1.0	0.072	ug/L			08/10/20 19:45	1
Trichlorofluoromethane	ND		1.0	0.090	ug/L			08/10/20 19:45	1
Vinyl chloride	ND		1.0	0.099	ug/L			08/10/20 19:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 130		08/10/20 19:45	1
4-Bromofluorobenzene (Surr)	95		47 - 134		08/10/20 19:45	1
Toluene-d8 (Surr)	105		69 - 122		08/10/20 19:45	1

Lab Sample ID: LCS 240-446451/5

Matrix: Water

Analysis Batch: 446451

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	20.0	17.2		ug/L		86	70 - 130
1,1,2,2-Tetrachloroethane	20.0	23.4		ug/L		117	60 - 140
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethane	20.0	21.2		ug/L		106	70 - 130

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-446451/5

Matrix: Water

Analysis Batch: 446451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	19.0		ug/L		95	50 - 150
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	65 - 135
1,2-Dichloroethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dichloropropane	20.0	21.3		ug/L		106	35 - 165
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	65 - 135
2-Chloroethyl vinyl ether	20.0	20.2		ug/L		101	0 - 225
Benzene	20.0	21.0		ug/L		105	65 - 135
Bromoform	20.0	17.6		ug/L		88	70 - 130
Bromomethane	20.0	18.7		ug/L		93	15 - 185
Carbon tetrachloride	20.0	16.1		ug/L		80	70 - 130
Chlorobenzene	20.0	20.2		ug/L		101	65 - 135
Dibromochloromethane	20.0	19.4		ug/L		97	70 - 135
Chloroethane	20.0	21.1		ug/L		106	40 - 160
Chloroform	20.0	20.1		ug/L		100	70 - 135
Chloromethane	20.0	20.7		ug/L		103	0 - 205
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	25 - 175
Bromodichloromethane	20.0	18.6		ug/L		93	65 - 135
Ethylbenzene	20.0	19.7		ug/L		98	60 - 140
Methylene Chloride	20.0	21.7		ug/L		108	60 - 140
Tetrachloroethene	20.0	17.0		ug/L		85	70 - 130
Toluene	20.0	21.2		ug/L		106	70 - 130
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	50 - 150
Trichloroethene	20.0	17.7		ug/L		88	65 - 135
Trichlorofluoromethane	20.0	16.7		ug/L		83	50 - 150
Vinyl chloride	20.0	21.0		ug/L		105	5 - 195

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		75 - 130
4-Bromofluorobenzene (Surr)	102		47 - 134
Toluene-d8 (Surr)	107		69 - 122

Lab Sample ID: 480-173355-1 MS

Matrix: Water

Analysis Batch: 446451

Client Sample ID: BCC\_BSSA\_SUMP\_0820

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	90.4		ug/L		90	52 - 162
1,1,2,2-Tetrachloroethane	ND		100	110		ug/L		110	46 - 157
1,1,2-Trichloroethane	ND		100	106		ug/L		106	52 - 150
1,1-Dichloroethane	ND		100	104		ug/L		104	59 - 155
1,1-Dichloroethene	ND		100	101		ug/L		101	0 - 234
1,2-Dichlorobenzene	ND		100	95.3		ug/L		95	18 - 190
1,2-Dichloroethane	ND		100	91.0		ug/L		91	49 - 155
1,2-Dichloropropane	ND		100	107		ug/L		107	0 - 210
1,3-Dichlorobenzene	ND		100	89.2		ug/L		89	59 - 156
1,4-Dichlorobenzene	ND		100	90.0		ug/L		90	18 - 190
2-Chloroethyl vinyl ether	ND		100	88.8		ug/L		89	0 - 305

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-173355-1 MS

Matrix: Water

Analysis Batch: 446451

Client Sample ID: BCC\_BSSA\_SUMP\_0820

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		100	104		ug/L		104	37 - 151
Bromoform	ND		100	85.3		ug/L		85	45 - 169
Bromomethane	ND		100	90.3		ug/L		90	0 - 242
Carbon tetrachloride	ND		100	84.8		ug/L		85	70 - 140
Chlorobenzene	ND		100	96.0		ug/L		96	37 - 160
Dibromochloromethane	ND		100	94.0		ug/L		94	53 - 149
Chloroethane	ND		100	103		ug/L		103	14 - 230
Chloroform	ND		100	98.9		ug/L		99	51 - 138
Chloromethane	ND		100	96.5		ug/L		97	0 - 273
cis-1,3-Dichloropropene	ND		100	90.8		ug/L		91	0 - 227
Bromodichloromethane	ND		100	92.1		ug/L		92	35 - 155
Ethylbenzene	ND		100	96.7		ug/L		97	37 - 162
Methylene Chloride	1.4	J B	100	106		ug/L		104	0 - 221
Tetrachloroethene	ND		100	87.4		ug/L		87	64 - 148
Toluene	ND		100	104		ug/L		104	47 - 150
trans-1,3-Dichloropropene	ND		100	84.9		ug/L		85	17 - 183
Trichloroethene	ND		100	91.5		ug/L		92	70 - 157
Trichlorofluoromethane	ND		100	79.3		ug/L		79	17 - 181
Vinyl chloride	ND		100	101		ug/L		101	0 - 251

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		75 - 130
4-Bromofluorobenzene (Surr)	105		47 - 134
Toluene-d8 (Surr)	109		69 - 122

Lab Sample ID: 480-173355-1 MSD

Matrix: Water

Analysis Batch: 446451

Client Sample ID: BCC\_BSSA\_SUMP\_0820

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	87.7		ug/L		88	52 - 162	3	36
1,1,2,2-Tetrachloroethane	ND		100	107		ug/L		107	46 - 157	3	61
1,1,2-Trichloroethane	ND		100	106		ug/L		106	52 - 150	0	45
1,1-Dichloroethane	ND		100	104		ug/L		104	59 - 155	0	40
1,1-Dichloroethene	ND		100	101		ug/L		101	0 - 234	0	32
1,2-Dichlorobenzene	ND		100	96.7		ug/L		97	18 - 190	1	57
1,2-Dichloroethane	ND		100	91.1		ug/L		91	49 - 155	0	49
1,2-Dichloropropane	ND		100	106		ug/L		106	0 - 210	2	55
1,3-Dichlorobenzene	ND		100	91.0		ug/L		91	59 - 156	2	43
1,4-Dichlorobenzene	ND		100	88.7		ug/L		89	18 - 190	1	57
2-Chloroethyl vinyl ether	ND		100	90.0		ug/L		90	0 - 305	1	71
Benzene	ND		100	103		ug/L		103	37 - 151	1	61
Bromoform	ND		100	85.1		ug/L		85	45 - 169	0	42
Bromomethane	ND		100	87.6		ug/L		88	0 - 242	3	61
Carbon tetrachloride	ND		100	83.7		ug/L		84	70 - 140	1	41
Chlorobenzene	ND		100	96.2		ug/L		96	37 - 160	0	53
Dibromochloromethane	ND		100	94.4		ug/L		94	53 - 149	0	50
Chloroethane	ND		100	102		ug/L		102	14 - 230	0	78

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-173355-1 MSD

Matrix: Water

Analysis Batch: 446451

Client Sample ID: BCC\_BSSA\_SUMP\_0820

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	ND		100	99.0		ug/L		99	51 - 138	0	54
Chloromethane	ND		100	98.2		ug/L		98	0 - 273	2	60
cis-1,3-Dichloropropene	ND		100	91.5		ug/L		91	0 - 227	1	58
Bromodichloromethane	ND		100	92.0		ug/L		92	35 - 155	0	56
Ethylbenzene	ND		100	94.9		ug/L		95	37 - 162	2	63
Methylene Chloride	1.4	J B	100	107		ug/L		106	0 - 221	1	28
Tetrachloroethene	ND		100	87.2		ug/L		87	64 - 148	0	39
Toluene	ND		100	104		ug/L		104	47 - 150	0	41
trans-1,3-Dichloropropene	ND		100	85.7		ug/L		86	17 - 183	1	86
Trichloroethene	ND		100	93.1		ug/L		93	70 - 157	2	48
Trichlorofluoromethane	ND		100	77.4		ug/L		77	17 - 181	2	84
Vinyl chloride	ND		100	101		ug/L		101	0 - 251	0	66

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		75 - 130
4-Bromofluorobenzene (Surr)	104		47 - 134
Toluene-d8 (Surr)	109		69 - 122

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-544522/1-A

Matrix: Water

Analysis Batch: 544856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 544522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	0.82	ug/L		08/11/20 08:51	08/12/20 18:48	1
1,2-Dichlorobenzene	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
1,2-Diphenylhydrazine	ND		40	0.78	ug/L		08/11/20 08:51	08/12/20 18:48	1
1,3-Dichlorobenzene	ND		40	0.69	ug/L		08/11/20 08:51	08/12/20 18:48	1
1,4-Dichlorobenzene	ND		40	5.6	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,2'-oxybis[1-chloropropane]	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,4,6-Trichlorophenol	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,4-Dichlorophenol	ND		20	0.77	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,4-Dimethylphenol	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,4-Dinitrophenol	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,4-Dinitrotoluene	ND		20	5.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
2-Chloronaphthalene	ND		20	0.91	ug/L		08/11/20 08:51	08/12/20 18:48	1
2-Chlorophenol	ND		20	0.66	ug/L		08/11/20 08:51	08/12/20 18:48	1
2-Nitrophenol	ND		20	0.70	ug/L		08/11/20 08:51	08/12/20 18:48	1
3,3'-Dichlorobenzidine	ND		20	0.82	ug/L		08/11/20 08:51	08/12/20 18:48	1
4,6-Dinitro-2-methylphenol	ND		40	0.66	ug/L		08/11/20 08:51	08/12/20 18:48	1
4-Bromophenyl phenyl ether	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 18:48	1
4-Chloro-3-methylphenol	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 18:48	1
4-Chlorophenyl phenyl ether	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 18:48	1
4-Nitrophenol	ND		40	10	ug/L		08/11/20 08:51	08/12/20 18:48	1
Acenaphthene	ND		20	0.81	ug/L		08/11/20 08:51	08/12/20 18:48	1
Acenaphthylene	ND		20	0.87	ug/L		08/11/20 08:51	08/12/20 18:48	1
Aniline	ND		40	1.5	ug/L		08/11/20 08:51	08/12/20 18:48	1
Anthracene	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 18:48	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-544522/1-A

Matrix: Water

Analysis Batch: 544856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 544522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		320	35	ug/L		08/11/20 08:51	08/12/20 18:48	1
Benzo[a]anthracene	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 18:48	1
Benzo[a]pyrene	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 18:48	1
Benzo[b]fluoranthene	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 18:48	1
Benzo[g,h,i]perylene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 18:48	1
Benzo[k]fluoranthene	ND		20	1.3	ug/L		08/11/20 08:51	08/12/20 18:48	1
Bis(2-chloroethoxy)methane	ND		20	0.75	ug/L		08/11/20 08:51	08/12/20 18:48	1
Bis(2-chloroethyl)ether	ND		20	0.93	ug/L		08/11/20 08:51	08/12/20 18:48	1
Bis(2-ethylhexyl) phthalate	ND		40	1.2	ug/L		08/11/20 08:51	08/12/20 18:48	1
Butyl benzyl phthalate	ND		20	1.1	ug/L		08/11/20 08:51	08/12/20 18:48	1
Chrysene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Dibenz(a,h)anthracene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 18:48	1
Diethyl phthalate	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Dimethyl phthalate	ND		20	0.91	ug/L		08/11/20 08:51	08/12/20 18:48	1
Di-n-butyl phthalate	ND		20	1.6	ug/L		08/11/20 08:51	08/12/20 18:48	1
Di-n-octyl phthalate	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 18:48	1
Fluoranthene	ND		20	1.6	ug/L		08/11/20 08:51	08/12/20 18:48	1
Fluorene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Hexachlorobenzene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Hexachlorobutadiene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
Hexachloroethane	ND		20	0.60	ug/L		08/11/20 08:51	08/12/20 18:48	1
Indeno[1,2,3-cd]pyrene	ND		20	1.5	ug/L		08/11/20 08:51	08/12/20 18:48	1
Isophorone	ND		20	0.74	ug/L		08/11/20 08:51	08/12/20 18:48	1
Naphthalene	ND		20	0.86	ug/L		08/11/20 08:51	08/12/20 18:48	1
Decane	ND		40	1.6	ug/L		08/11/20 08:51	08/12/20 18:48	1
Nitrobenzene	ND		20	0.81	ug/L		08/11/20 08:51	08/12/20 18:48	1
N-Nitrosodimethylamine	ND		40	5.0	ug/L		08/11/20 08:51	08/12/20 18:48	1
N-Nitrosodi-n-propylamine	ND		20	0.89	ug/L		08/11/20 08:51	08/12/20 18:48	1
N-Nitrosodiphenylamine	ND		20	0.40	ug/L		08/11/20 08:51	08/12/20 18:48	1
n-Octadecane	ND		40	1.2	ug/L		08/11/20 08:51	08/12/20 18:48	1
Pentachlorophenol	ND		40	5.4	ug/L		08/11/20 08:51	08/12/20 18:48	1
Phenanthrene	ND		20	1.2	ug/L		08/11/20 08:51	08/12/20 18:48	1
Phenol	ND		20	0.35	ug/L		08/11/20 08:51	08/12/20 18:48	1
Pyrene	ND		20	1.4	ug/L		08/11/20 08:51	08/12/20 18:48	1
2,6-Dinitrotoluene	ND		20	1.0	ug/L		08/11/20 08:51	08/12/20 18:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		52 - 151	08/11/20 08:51	08/12/20 18:48	1
2-Fluorobiphenyl	102		44 - 120	08/11/20 08:51	08/12/20 18:48	1
2-Fluorophenol	82		17 - 120	08/11/20 08:51	08/12/20 18:48	1
Nitrobenzene-d5	95		15 - 314	08/11/20 08:51	08/12/20 18:48	1
Phenol-d5	61		8 - 424	08/11/20 08:51	08/12/20 18:48	1
p-Terphenyl-d14	113		22 - 125	08/11/20 08:51	08/12/20 18:48	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-544522/2-A

Matrix: Water

Analysis Batch: 544856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 544522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	32.0	29.7	J	ug/L		93	44 - 142
1,2-Dichlorobenzene	32.0	30.0	J	ug/L		94	32 - 129
1,3-Dichlorobenzene	32.0	29.2	J	ug/L		91	1 - 172
1,4-Dichlorobenzene	32.0	29.3	J	ug/L		92	20 - 124
2,2'-oxybis[1-chloropropane]	32.0	33.6		ug/L		105	36 - 166
2,4,6-Trichlorophenol	32.0	33.2		ug/L		104	37 - 144
2,4-Dichlorophenol	32.0	32.7		ug/L		102	39 - 135
2,4-Dimethylphenol	32.0	33.9		ug/L		106	32 - 120
2,4-Dinitrophenol	64.0	81.1		ug/L		127	1 - 191
2,4-Dinitrotoluene	32.0	38.3		ug/L		120	39 - 139
2-Chloronaphthalene	32.0	32.2		ug/L		101	60 - 120
2-Chlorophenol	32.0	32.2		ug/L		101	23 - 134
2-Nitrophenol	32.0	35.9		ug/L		112	29 - 182
3,3'-Dichlorobenzidine	64.0	61.7		ug/L		96	1 - 262
4,6-Dinitro-2-methylphenol	64.0	79.6		ug/L		124	1 - 181
4-Bromophenyl phenyl ether	32.0	34.2		ug/L		107	53 - 127
4-Chloro-3-methylphenol	32.0	34.4		ug/L		107	22 - 147
4-Chlorophenyl phenyl ether	32.0	34.6		ug/L		108	25 - 158
4-Nitrophenol	64.0	58.1		ug/L		91	1 - 132
Acenaphthene	32.0	32.4		ug/L		101	47 - 145
Acenaphthylene	32.0	35.6		ug/L		111	33 - 145
Aniline	32.0	24.1	J	ug/L		75	40 - 120
Anthracene	32.0	34.8		ug/L		109	27 - 133
Benzo[a]anthracene	32.0	35.9		ug/L		112	33 - 143
Benzo[a]pyrene	32.0	35.9		ug/L		112	17 - 163
Benzo[b]fluoranthene	32.0	35.8		ug/L		112	24 - 159
Benzo[g,h,i]perylene	32.0	35.2		ug/L		110	1 - 219
Benzo[k]fluoranthene	32.0	35.3		ug/L		110	11 - 162
Bis(2-chloroethoxy)methane	32.0	33.3		ug/L		104	33 - 184
Bis(2-chloroethyl)ether	32.0	34.1		ug/L		106	12 - 158
Bis(2-ethylhexyl) phthalate	32.0	39.3	J	ug/L		123	8 - 158
Butyl benzyl phthalate	32.0	38.4		ug/L		120	1 - 152
Chrysene	32.0	34.9		ug/L		109	17 - 168
Dibenz(a,h)anthracene	32.0	36.8		ug/L		115	1 - 227
Diethyl phthalate	32.0	36.7		ug/L		115	1 - 120
Dimethyl phthalate	32.0	37.2		ug/L		116	1 - 120
Di-n-butyl phthalate	32.0	38.3		ug/L		120	1 - 120
Di-n-octyl phthalate	32.0	41.1		ug/L		128	4 - 146
Fluoranthene	32.0	36.2		ug/L		113	26 - 137
Fluorene	32.0	34.2		ug/L		107	59 - 121
Hexachlorobenzene	32.0	33.4		ug/L		104	1 - 152
Hexachlorocyclopentadiene	32.0	27.2		ug/L		85	5 - 120
Hexachloroethane	32.0	27.6		ug/L		86	40 - 120
Indeno[1,2,3-cd]pyrene	32.0	35.9		ug/L		112	1 - 171
Isophorone	32.0	36.5		ug/L		114	21 - 196
Naphthalene	32.0	31.2		ug/L		97	21 - 133
Nitrobenzene	32.0	33.9		ug/L		106	35 - 180
N-Nitrosodi-n-propylamine	32.0	34.9		ug/L		109	1 - 230

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-544522/2-A

Matrix: Water

Analysis Batch: 544856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 544522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	32.0	34.3		ug/L		107	54 - 125
Pentachlorophenol	64.0	71.6		ug/L		112	14 - 176
Phenanthrene	32.0	33.3		ug/L		104	54 - 120
Phenol	32.0	22.4		ug/L		70	5 - 120
Pyrene	32.0	35.1		ug/L		110	52 - 120
2,6-Dinitrotoluene	32.0	37.5		ug/L		117	50 - 158

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	112		52 - 151
2-Fluorobiphenyl	105		44 - 120
2-Fluorophenol	85		17 - 120
Nitrobenzene-d5	104		15 - 314
Phenol-d5	68		8 - 424
p-Terphenyl-d14	112		22 - 125

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-544851/1-A

Matrix: Water

Analysis Batch: 545012

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 544851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1221	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1232	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1242	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1248	ND		0.060	0.038	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1254	ND		0.060	0.031	ug/L		08/12/20 15:08	08/13/20 16:05	1
PCB-1260	ND		0.060	0.031	ug/L		08/12/20 15:08	08/13/20 16:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	41		36 - 121	08/12/20 15:08	08/13/20 16:05	1
Tetrachloro-m-xylene	79		42 - 135	08/12/20 15:08	08/13/20 16:05	1

Lab Sample ID: LCS 480-544851/2-A

Matrix: Water

Analysis Batch: 545012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 544851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.898		ug/L		90	69 - 123
PCB-1260	1.00	0.858		ug/L		86	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	39		36 - 121
Tetrachloro-m-xylene	75		42 - 135

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 480-544851/3-A

Matrix: Water

Analysis Batch: 545012

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 544851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	0.927		ug/L		93	69 - 123	3	30
PCB-1260	1.00	0.888		ug/L		89	69 - 120	4	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
DCB Decachlorobiphenyl	42		36 - 121						
Tetrachloro-m-xylene	76		42 - 135						

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-544026/1-A

Matrix: Water

Analysis Batch: 544386

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 544026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		08/07/20 08:20	08/07/20 18:43	1
Copper	ND		0.010	0.0016	mg/L		08/07/20 08:20	08/07/20 18:43	1
Lead	ND		0.010	0.0030	mg/L		08/07/20 08:20	08/07/20 18:43	1
Nickel	ND		0.010	0.0013	mg/L		08/07/20 08:20	08/07/20 18:43	1
Zinc	ND		0.010	0.0015	mg/L		08/07/20 08:20	08/07/20 18:43	1

Lab Sample ID: LCS 480-544026/2-A

Matrix: Water

Analysis Batch: 544386

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 544026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chromium	0.200	0.206		mg/L		103	85 - 115		
Copper	0.200	0.200		mg/L		100	85 - 115		
Lead	0.200	0.197		mg/L		99	85 - 115		
Nickel	0.200	0.197		mg/L		99	85 - 115		
Zinc	0.200	0.204		mg/L		102	85 - 115		

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-544215/1-A

Matrix: Water

Analysis Batch: 544474

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 544215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/10/20 12:21	08/10/20 16:17	1

Lab Sample ID: LCS 480-544215/2-A

Matrix: Water

Analysis Batch: 544474

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 544215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.00667	0.00688		mg/L		103	85 - 115		

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-544221/44  
Matrix: Water  
Analysis Batch: 544221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.00960	J	0.010	0.0035	mg/L	-		08/07/20 18:24	1

Lab Sample ID: LCS 480-544221/45  
Matrix: Water  
Analysis Batch: 544221

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.104		mg/L	-	104	90 - 110

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-544461/1  
Matrix: Water  
Analysis Batch: 544461

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L	-		08/10/20 16:23	1

Lab Sample ID: LCS 480-544461/2  
Matrix: Water  
Analysis Batch: 544461

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	248	238.8		mg/L	-	96	88 - 110

Lab Sample ID: 480-173355-1 DU  
Matrix: Water  
Analysis Batch: 544461

Client Sample ID: BCC\_BSSA\_SUMP\_0820  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	ND		ND		mg/L	-	NC	10

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-544013/1  
Matrix: Water  
Analysis Batch: 544013

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU	-	100	99 - 101

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-544594/3  
Matrix: Water  
Analysis Batch: 544594

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P	-		08/11/20 12:15	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: LCS 480-544594/4

Matrix: Water

Analysis Batch: 544594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.192		mg/L as P		96	90 - 110

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-543878/1

Matrix: Water

Analysis Batch: 543878

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			08/06/20 02:22	1

Lab Sample ID: LCS 480-543878/2

Matrix: Water

Analysis Batch: 543878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	212.5		mg/L		107	85 - 115

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## GC/MS VOA

### Analysis Batch: 446451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	624.1	
480-173355-2	TRIP BLANK	Total/NA	Water	624.1	
MB 240-446451/8	Method Blank	Total/NA	Water	624.1	
LCS 240-446451/5	Lab Control Sample	Total/NA	Water	624.1	
480-173355-1 MS	BCC_BSSA_SUMP_0820	Total/NA	Water	624.1	
480-173355-1 MSD	BCC_BSSA_SUMP_0820	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 544522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	625	
MB 480-544522/1-A	Method Blank	Total/NA	Water	625	
LCS 480-544522/2-A	Lab Control Sample	Total/NA	Water	625	

### Analysis Batch: 544856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	625.1	544522
MB 480-544522/1-A	Method Blank	Total/NA	Water	625.1	544522
LCS 480-544522/2-A	Lab Control Sample	Total/NA	Water	625.1	544522

## GC Semi VOA

### Prep Batch: 544851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	3510C	
MB 480-544851/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-544851/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-544851/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 545012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	608.3	544851
MB 480-544851/1-A	Method Blank	Total/NA	Water	608.3	544851
LCS 480-544851/2-A	Lab Control Sample	Total/NA	Water	608.3	544851
LCSD 480-544851/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	544851

## Metals

### Prep Batch: 544026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	200.7	
MB 480-544026/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-544026/2-A	Lab Control Sample	Total/NA	Water	200.7	

### Prep Batch: 544215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	245.1	
MB 480-544215/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-544215/2-A	Lab Control Sample	Total/NA	Water	245.1	

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Metals

### Analysis Batch: 544386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	200.7 Rev 4.4	544026
MB 480-544026/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	544026
LCS 480-544026/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	544026

### Analysis Batch: 544474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	245.1	544215
MB 480-544215/1-A	Method Blank	Total/NA	Water	245.1	544215
LCS 480-544215/2-A	Lab Control Sample	Total/NA	Water	245.1	544215

## General Chemistry

### Analysis Batch: 543878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 5210B	
USB 480-543878/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-543878/2	Lab Control Sample	Total/NA	Water	SM 5210B	

### Analysis Batch: 544013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 4500 H+ B	
LCS 480-544013/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 544221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	420.4	
MB 480-544221/44	Method Blank	Total/NA	Water	420.4	
LCS 480-544221/45	Lab Control Sample	Total/NA	Water	420.4	

### Analysis Batch: 544461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 2540D	
MB 480-544461/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-544461/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-173355-1 DU	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 2540D	

### Analysis Batch: 544594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 4500 P E	
MB 480-544594/3	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-544594/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	

### Analysis Batch: 545322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173355-1	BCC_BSSA_SUMP_0820	Total/NA	Water	SM 4500 CN G	

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

**Client Sample ID: BCC\_BSSA\_SUMP\_0820**

**Lab Sample ID: 480-173355-1**

**Date Collected: 08/04/20 13:00**

**Matrix: Water**

**Date Received: 08/04/20 16:23**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	446451	08/11/20 03:59	TJL1	TAL CAN
Total/NA	Prep	625			544522	08/11/20 08:51	JMP	TAL BUF
Total/NA	Analysis	625.1		1	544856	08/12/20 21:11	PJQ	TAL BUF
Total/NA	Prep	3510C			544851	08/12/20 15:08	ATG	TAL BUF
Total/NA	Analysis	608.3		1	545012	08/13/20 16:42	W1T	TAL BUF
Total/NA	Prep	200.7			544026	08/07/20 08:20	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	544386	08/07/20 19:58	LMH	TAL BUF
Total/NA	Prep	245.1			544215	08/10/20 12:21	BMB	TAL BUF
Total/NA	Analysis	245.1		1	544474	08/10/20 16:35	BMB	TAL BUF
Total/NA	Analysis	420.4		1	544221	08/07/20 18:49	SRA	TAL BUF
Total/NA	Analysis	SM 2540D		1	544461	08/10/20 16:23	T1S	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	545322	08/07/20 14:43	DLG	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	544013	08/06/20 11:08	JRF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	544594	08/11/20 12:15	SRA	TAL BUF
Total/NA	Analysis	SM 5210B		1	543878	08/06/20 02:22	EY	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-173355-2**

**Date Collected: 08/04/20 00:00**

**Matrix: Water**

**Date Received: 08/04/20 16:23**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	446451	08/11/20 03:37	TJL1	TAL CAN

## Laboratory References:

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

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



# Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

## Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-21
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-21
Illinois	NELAP	004498	07-31-20 *
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-24-21
Pennsylvania	NELAP	68-00340	08-31-20
Texas	NELAP	T104704517-18-10	08-31-20
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-20
Washington	State	C971	01-12-21
West Virginia DEP	State	210	12-31-20

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

## Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CAN
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173355-1	BCC_BSSA_SUMP_0820	Water	08/04/20 13:00	08/04/20 16:23	
480-173355-2	TRIP BLANK	Water	08/04/20 00:00	08/04/20 16:23	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color GWTF SUMP

Job ID: 480-173355-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10







## Chain of Custody Record

[illegible]

<b>Eurofins TestAmerica Canton Sample Receipt Form/Narrative</b>				Login # : _____	
<b>Canton Facility</b>					
Client <u>ET</u>		Site Name _____		Cooler unpacked by <u>Jamy Reger</u>	
Cooler Received on <u>8-7-20</u>		Opened on <u>8-7-20</u>			
FedEx: 1 <sup>st</sup> Grd Exp <u>UPS</u>		FAS Clipper		Client Drop Off TestAmerica Courier Other _____	
<b>Receipt After hours. Drop-off Date/Time</b>			<b>Storage Location</b>		
TestAmerica Cooler # <u>TA</u>		Foam Box Client Cooler		Box Other _____	
Packing material used: Bubble Wrap		Foam <u>Plastic Bag</u>		None Other _____	
COOLANT: <u>Wet Ice</u>		Blue Ice Dry Ice Water		None	
1. Cooler temperature upon receipt		<input type="checkbox"/> See Multiple Cooler Form			
IR GUN# IR-10 (CF <u>+0.7</u> °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN #IR-11 (CF <u>+0.9</u> °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u>		Yes <input checked="" type="radio"/> No <input type="radio"/>			
-Were the seals on the outside of the cooler(s) signed & dated?		Yes <input type="radio"/> No <input checked="" type="radio"/> NA <input type="radio"/>			
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
-Were tamper/custody seals intact and uncompromised?		Yes <input type="radio"/> No <input checked="" type="radio"/> NA <input type="radio"/>			
3. Shippers' packing slip attached to the cooler(s)?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
4. Did custody papers accompany the sample(s)?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
5. Were the custody papers relinquished & signed in the appropriate place?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
6. Was/were the person(s) who collected the samples clearly identified on the COC?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
7. Did all bottles arrive in good condition (Unbroken)?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
8. Could all bottle labels be reconciled with the COC?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
9. Were correct bottle(s) used for the test(s) indicated?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
10. Sufficient quantity received to perform indicated analyses?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
11. Are these work share samples?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
If yes, Questions 12-16 have been checked at the originating laboratory.					
12. Were all preserved sample(s) at the correct pH upon receipt?		Yes <input type="radio"/> No <input checked="" type="radio"/> NA <input type="radio"/>		pH Strip Lot# <u>HC911298</u>	
13. Were VOAs on the COC?		Yes <input type="radio"/> No <input checked="" type="radio"/>			
14. Were air bubbles >6 mm in any VOA vials?  Larger than this.		Yes <input type="radio"/> No <input checked="" type="radio"/> NA <input type="radio"/>			
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____		Yes <input type="radio"/> No <input checked="" type="radio"/>			
16. Was a LL Hg or Me Hg trip blank present? _____		Yes <input type="radio"/> No <input checked="" type="radio"/>			
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____					
Concerning _____					

**Tests that are not checked for pH by Receiving:**

VOAs  
Oil and Grease  
TOC

<b>17. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES</b>	Samples processed by: _____
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
<b>18. SAMPLE CONDITION</b>	
Sample(s) _____ were received after the recommended holding time had expired.	
Sample(s) _____ were received in a broken container.	
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)	
<b>19. SAMPLE PRESERVATION</b>	
Sample(s) _____ were further preserved in the laboratory.	
Time preserved: _____ Preservative(s) added/Lot number(s): _____	
VOA Sample Preservation - Date/Time VOAs Frozen: _____	

## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-173355-1

**Login Number: 173355**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan D**

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	3.7 #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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## **Field Data Collection Sheets**

**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
7/1/2020					1			1	1	1	1		
7/2/2020					1	1	1	1	1	1		1	
7/3/2020													
7/4/2020													
7/5/2020													
7/6/2020					1			1	1	1			
7/7/2020								1	1				
7/8/2020						1		1		1			
7/9/2020					1			1	1				
7/10/2020					1	1		1	1	1			
7/11/2020													
7/12/2020													
7/13/2020					1			1	1	1			
7/14/2020		X				1		1					( Evoqua )
7/15/2020						1		1		1			
7/16/2020								1	1	1			
7/17/2020					1	1		1	1	1			
7/18/2020													
7/19/2020													
7/20/2020					1			1	1	1	1		
7/21/2020								1					
7/22/2020						1		1	1				
7/23/2020					1			1				1	
7/24/2020					1	1		1	1	1			
7/25/2020													
7/26/2020													
7/27/2020													
7/28/2020						1		1					
7/29/2020					1			1	1				Clean BSA discharge line(Jetter)
7/30/2020					1	1		1	1	1	1		
7/31/2020													
8/1/2020													
8/2/2020													
8/3/2020													
8/4/2020					1	1	1	1	1	1			
8/5/2020						1	1						Clean BSA discharge line(Jetter)
8/6/2020					1					1			Clean BSA discharge line(Jetter)
8/7/2020					1	1		1	1	1			
8/8/2020													
8/9/2020													
8/10/2020					1			1	1	1			
8/11/2020								1					
8/12/2020						1		1	1		1		
8/13/2020								1		1			
8/14/2020					1	1		1	1	1			
8/15/2020													
8/16/2020													
8/17/2020					1			1	1	1			
8/18/2020								1					
8/19/2020						1		1	1	1			
8/20/2020								1					
8/21/2020					1	1		1	1	1			
8/22/2020													
8/23/2020													
8/24/2020					1			1	1	1			
8/25/2020								1					

**Buffalo Color GWTF Daily Maintenance & Repair Log**

DATE	D1A GAC SERVICE	D1B GAC SERVICE	D2 GAC SERVICE	MMF SERVICE	D1A GAC FLUSH	D1B GAC FLUSH	D2 GAC FLUSH	MMF FLUSH	BF 1A CHANGE	BF 1B CHANGE	BF 2A CHANGE	BF 2B CHANGE	ADDITIONAL NOTES / NON ROUTINE REPAIR & MAINTENANCE
8/26/2020						1		1					
8/27/2020					1		1	1		1			
8/28/2020					1	1		1	1				
8/29/2020													
8/30/2020													
8/31/2020					1	1		1	1	1			
9/1/2020							1	1	1				
9/2/2020			X										Carbon (#2 Gac-replace both Ball valves)
9/3/2020							1	1	1		1		Acid flush #5
9/4/2020													
9/5/2020													
9/6/2020													
9/7/2020					1	1		1	1	1			
9/8/2020								1			1	1	
9/9/2020						1		1	1				
9/10/2020					1		1	1					
9/11/2020					1	1		1	1	1			
9/12/2020													
9/13/2020													
9/14/2020					1			1	1	1	1		
9/15/2020								1					
9/16/2020						1		1	1	1			
9/17/2020							1	1					
9/18/2020					1	1		1	1	1			
9/19/2020													
9/20/2020													
9/21/2020					1			1	1	1			
9/22/2020								1					
9/23/2020						1		1	1	1			
9/24/2020							1	1					
9/25/2020					1	1		1	1	1			
9/26/2020													
9/27/2020													
9/28/2020					1			1	1	1			
9/29/2020	1				1	1		1					Carbon change (cyclesorb)
9/30/2020					1			1	1		1		

Buffalo Color GWTF Weekly Process Assessment																										
		Bag Filter F-1A/1B		Bag Filter F-2A/2B		Multi-Media Filter F-30		LGAC CA-40 and CA-41					Effluent Tank No. 1 T-28				Effluent Tank No. 2 T-27			Discharge Lines To BSA Sump						
Date	Associate	Influent Pressure PI-1A	Effluent Pressure PI-1B	Influent Pressure PI-107A	Effluent Pressure PI-107B	Influent Pressure PI-30A	Effluent Pressure PI-30B	Flow Rate FE-60	Lead Influent Pressure PI-40A	Lead Effluent Pressure PI-40B	Lag Influent Pressure PI-41A	Lag Effluent Pressure PI-41B	PH Meter	Pressure PI-106A/B	Flow Rate FE-106	Totalizer FE-106	Pressure PI-106C	Flow Rate FE-107	Totalizer FE-107	Pressure PI-107C	Leak Detection Vault No. 1 Pressure PI-106D	Leak Detection Vault No. 1 Pressure PI-107D	Leak Detection Vault No. 3 Pressure PI-106E	Leak Detection Vault No. 3 Pressure PI-107E	Containment Line Pressure Gauge Checks	Column1
7/2/2020	TW	46	45	33	24	42	35	18.5	38	32	35	31	7.66	25	18.5	29,775,946	25	25	206,450	23	2	11	0	1	y	
7/10/2020	TW	47	46	33	23	42	37	18	40	34	36	32	7.58	26	18	29,855,042	26	22.3	228,663	21	2	9	0	3	y	
7/17/2020	TW	47	46	33	19	42	35	18.5	37	34	36	34	7.61	27	18.5	29,911,386	28	19.8	251,464	18	3	9	0	3	y	
7/24/2020	TW	47	45	33	21	40	35	18.5	37	34	35	34	7.62	27	18.5	29,983,684	28	24.2	271,492	19	3	10	1	3	y	
7/30/2020	TW	45	40	32	24	35	27	18	30	24	25	20	7.63	15	22.7	30,045,434	14	26.2	289,004	23	2	10	0	3	y	
8/7/2020	TW	45	40	32	22	36	29	23.8	29	23	35	18	7.58	14	23.8	30,110,234	14	23.3	307,153	20	3	9	0	2	y	
8/14/2020	TW	45	38	33	24	35	30	23.1	30	23	25	20	7.6	15	23.2	30,184,144	15	22.6	325,267	20	3	9	1	22	y	
8/21/2020	TW	45	40	33	24	36	30	22.5	30	24	26	21	7.6	15	23.8	30,261,368	15	22.4	342,346	20	2	11	0	3	y	
8/28/2020	TW	45	43	33	22	38	33	23	32	27	28	23	7.42	18	23	30,338,022	18	23.1	358,145	21	3	10	0	3	y	
9/3/2020	TW	46	42	33	22	37	29	21.4	30	24	26	22	7.37	16	21.4	30,405,406	16	24.4	368,370	21	3	11	1	3	y	
9/11/2020	TW	45	43	33	19	39	32	22.2	32	26	27	23	7.7	18	22.2	30,482,688	18	23.8	385,095	18	2	10	0	2	y	
9/18/2020	TW	45	43	33	18	38	30	21.8	32	24	27	22	7.58	17	21.9	30,559,142	18	21.8	400,434	18	2	9	0	2	y	
9/25/2020	TW	44	43	33	21	38	31	22	33	27	28	24	7.68	18	22	30,634,408	19	22.6	414,348	21	3	10	0	3	y	



January 31, 2020

Michael Szilagyi  
Industrial Waste Administrator  
Buffalo Sewer Authority  
90 West Ferry Street  
Buffalo, New York, 14213

**Subject: South Buffalo Development Corporation, LLC  
Former Buffalo Color Corporation Site  
Permit #17-06-BU109  
OSC Project ID: 16011**

Dear Mr. Szilagyi:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting the Discharge Monitoring Report for the Buffalo Color Remediation Site covering the period of October 1 through December 31, 2019. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #17-06-BU109.

Included with the report are:

- Operation log sheets;
- A copy of the current BSA discharge permit;
- Schematic showing the location for monitoring and sampling;
- Summary of the discharge flow by month;
- Comparison of analytical data to permit limits; and
- Analytical laboratory results.

During the reporting period, there was a power outage that disrupted one of the totalizers that is used to calculate the flow of water treated. When the power was restored, the totalizer was recording in imperial gallons. However, that has been corrected to US gallons and will be reported in US gallons from this point forward. Discharge rates were estimated utilizing the individual totalizer readings from each well.

Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Kirsten Colligan  
Project Manager - *Ontario Specialty Contracting, Inc.*

cc:	Richard Galloway	Honeywell
	Eugene Melnyk	NYSDEC Region 9
	John Yensan	South Buffalo Development, LLC

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York, 14213**

**B.P.D.E.S. Permit No. #17-06-BU109  
Former Buffalo Color Corporation Site  
South Buffalo Development Corporation LLC (SBD)  
Reporting Period: October 1, 2019 through December 31, 2019**

The following is the discharge data associated with the operations of the former Buffalo Color Corporation Area A and D Groundwater Extraction System throughout the reporting period. A schematic representing the current locations for discharge sampling is provided as an attachment. The monthly flow data presented is based upon flow data from the EW-1, EW-2, EW-3, EW-4, and EW-5 flow totalizers, plus any flow from the Area D well pumping. All samples gathered were grab samples and analysis was provided by TestAmerica located in Amherst, NY. The sample event analytical results are attached.

Total Flow Data by Month:

October 2019	285,245 gallons
November 2019	405,920 gallons
December 2019	444,463 gallons
Total Quarterly Discharge	1,138,678 gallons

Estimated Area D contribution this period:  
3,050 gallons

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Kirsten Colligan  
Project Manager

Ontario Specialty Contracting, Inc.

Attachments:  
BSA Permit Analytical Summary Table, BSA Discharge Permit, Monitoring and Sampling Schematic, Laboratory Analytical Results, and Field Data Collection Sheets

**BSA Permit Analytical Summary Table**

**Compliance Confirmation  
Discharge Monitoring Report**

BSA Permit No.	17-06-BU109	Effective June 1, 2017
Sample Date:	11/25/2019	
Sample Location:	Onsite Pump Station to BSA	

Year: 2019  
Month: DEC

Event Group: SUMP  
Lab Job ID: J163255-1

BSA Permit Parameter		Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance	MAID mg/L	Quantity mg/L	Permit Compliance
Chemical	CAS No. / Method ID	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit				
pH	PH	7.5	0.100	SU	7.50	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	4.8	2.0	mg/L	4.8	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.0092	0.010	mg/L	0.001	lbs/day	1.67	lbs/day	Yes	20	0.009	Yes
Total Chromium	7440-47-3	0.0032	0.0040	mg/L	0.0003	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	ND	0.010	mg/L	ND	lbs/day	0.67	lbs/day	Yes	16	ND	Yes
Lead	7439-92-1	0.012	0.0050	mg/L	0.0012	lbs/day	0.541	lbs/day	Yes	65	0.0120	Yes
Total Mercury	7439-97-6	ND	0.00020	mg/L	ND	lbs/day	0.00033	lbs/day	Yes	0.0008	ND	Yes
Total Nickel	7440-02-0	0.003	0.010	mg/L	0.0003	lbs/day	1.17	lbs/day	Yes	14	0.0030	Yes
Zinc	7440-66-6	0.0061	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.006	Yes
Amendable Cyanide	CAN	ND	0.010	mg/L	ND	lbs/day	2.59	lbs/day	Yes	6.2	ND	Yes
Total PCB	Sum Method_E608	ND	0.060	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	6.4	10	ug/L	0.000666	lbs/day	50	lbs/day	Yes	0.01	0.0064	Yes
Benzene	71-43-2	ND	5	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	ND	5	ug/L	ND	lbs/day	0.129	lbs/day	Yes	0.31	ND	Yes
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	5	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	5	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	ND	25	ug/L	ND	mg/L	*	mg/L	Yes			
Total Suspended Solids	TSS	ND	4.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	0.11	0.010	mg/L	0.110	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	8.666269841	-	gpm	12,479	gpd	50,000	gpd	Yes			

\*Permit requires reporting of Aniline or Aniline Derivative and Max Individual Purgeables concentrations in excess of 0.01 mg/L

\*\*Analyzed by total phosphorus method SM 4500-P E

MAID - Maximum Allowable Instantaneous Discharge

<b>Flow Calculations</b>		
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)		
Initial Reading	61,912,418	10/1/2019
Final Reading	63,048,046	12/31/2019
Total Days in Period	91	
<b>Total Flow for Period</b>	<b>1,135,628</b>	<b>gallons</b>
<b>Average Flow for Period</b>	<b>8.67</b>	<b>gpm</b>



## **BSA Discharge Permit**

**AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO  
POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NO. 17-06-BU109  
EPA 40CFR 403**

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, and the Sewer Regulations of the Buffalo Sewer Authority, authorization is hereby granted to:

**South Buffalo Development, LLC.**

to discharge remediated wastewater from the site located at:

**Areas A and D of the former Buffalo Color Corporation Site  
1037 South Park Avenue, Buffalo, New York 14210**

to the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **February 2, 2017** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

**Effective this June 1, 2017**

**To Expire May 31, 2020**

  
\_\_\_\_\_  
**General Manager**

Signed this 4<sup>th</sup> day of May, 2017

**PART I: SPECIFIC CONDITIONS****A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS**

During the period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfalls (see attached maps) shall be limited and monitored **Quarterly** by the permittee as specified below:

Sample		Discharge Limitations		Sampling Requirements	
Point	Parameter	Daily Max	MAID* (mg/L)	Type	Frequency
001	pH <sup>(1)</sup>	5.0 - 12.0 SU		Probe	Quarterly
	Total Flow	50,000 gals		Flow Meter <sup>(2)</sup>	Continuous
	BOD <sub>5</sub>	250 mg/L <sup>(3)</sup>		Composite <sup>(4)</sup>	Quarterly
	Total Suspended Solids	250 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phosphate	15.35 mg/L <sup>(3)</sup>		Composite	Quarterly
	Total Phenol <sup>(5)</sup>	1.67 lbs	20.0	Composite	Quarterly
	Amenable Cyanide	2.59 lbs	6.2	Grab <sup>(7)</sup>	Quarterly
	Total Mercury	0.00033 lbs	0.0008	Composite	Quarterly
	Total Nickel	1.17 lbs	14.0	Composite	Quarterly
	Total Copper	0.67 lbs	16.0	Composite	Quarterly
	Total Chromium	0.83 lbs	40.0	Composite	Quarterly
	Lead	0.541 lbs	65.0	Composite	Quarterly
	Zinc	2.046 lbs	25.0	Composite	Quarterly
	Purgeables-EPA Test <sup>(6)</sup>			Grab <sup>(7)</sup>	Quarterly
	Methods 624				
	Base/Neutrals & Acid <sup>(8)</sup>				Quarterly
	Extractable-EPA				
	Tests Method 625			Grab	Quarterly
	EPA Test Method 608 <sup>(9)</sup>			Grab	Quarterly
	Aniline	50.0 lbs	0.00	Grab	Quarterly
	Benzene	0.059 lbs	0.142 mg/L	Grab	Quarterly
	Chlorobenzene	0.129 lbs	0.310 mg/L	Grab	Quarterly
	1, 2-Dichlorobenzene	0.197 lbs.	0.472 mg/L	Grab	Quarterly
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Grab	Quarterly
	Acenaphthylene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Naphthalene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Anthracene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	Maid*	Type	Frequency
	Fluorene	0.131 lbs.	0.314 mg/L	Grab	Quarterly
	Phenanthrene	0.131 lbs.	0.314 mg/L	Grab	Quarterly

\*M.A.I.D. – Maximum Allowable Instantaneous Discharge – Slug Limit.  
SEE PAGE FOUR (4) FOR EXPLANATION OF SPECIFIC REQUIREMENTS.

**PART I: SPECIFIC CONDITIONS****B. DISCHARGE MONITORING REPORTING REQUIREMENTS**

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported quarterly by the permittee on the days specified below:

Sample Point	Parameter	Reporting	Requirements
001	All Analytes	Initial Report*	Subsequent Reports*
		July 31, 2017	October 31, 2017
			January 31, 2018
			April 30, 2018
			July 31, 2018
			October 31, 2018
			January 31, 2019
			April 30, 2019
			July 31, 2019
			October 31, 2019 **
			January 31, 2020
			April 30, 2020

\* Each reporting dated is for samples collected during the previous quarter.

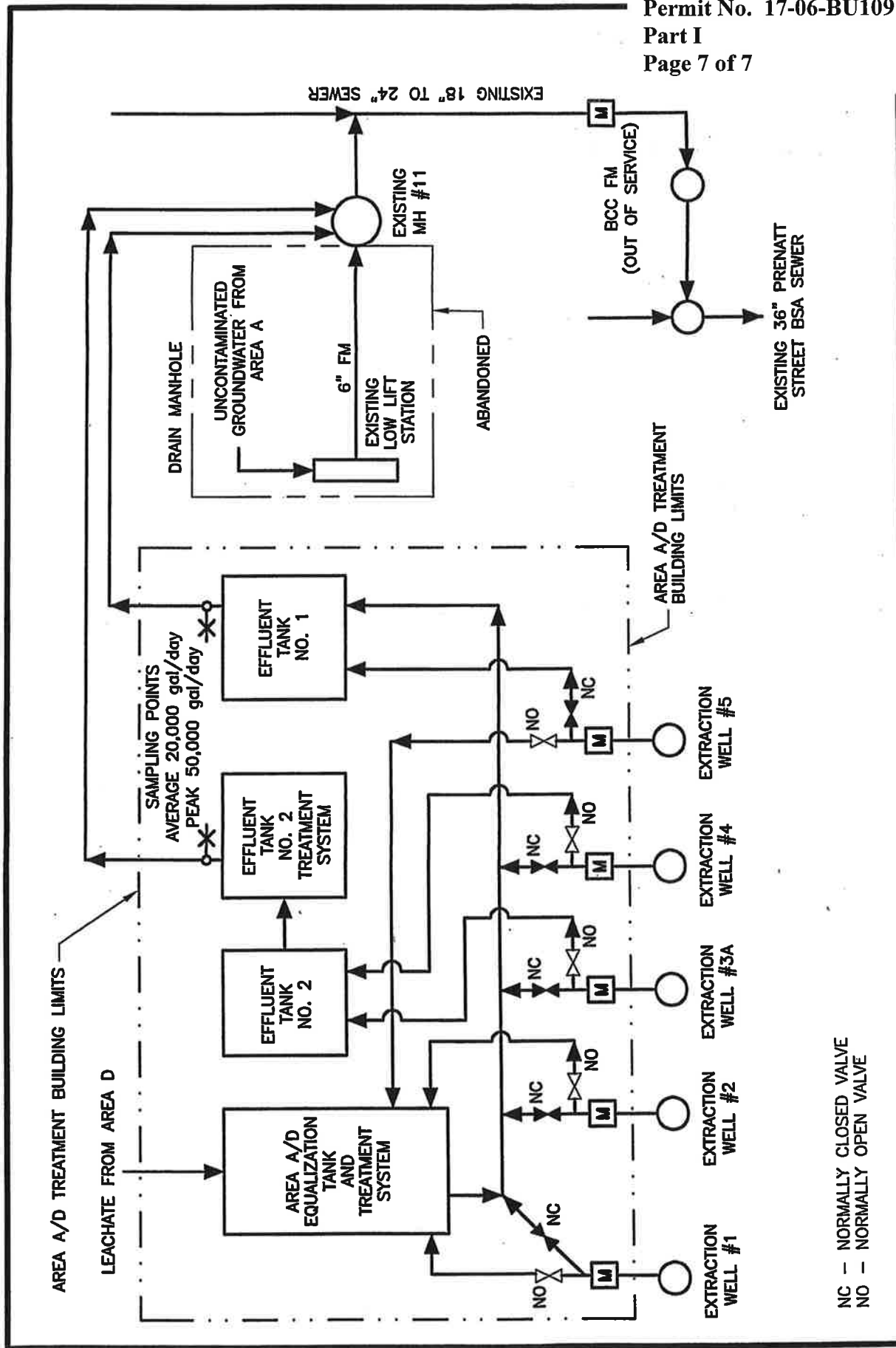
\*\* The Industrial Discharge Permit Application to renew discharge permit is due.

## PART I: SPECIFIC CONDITIONS

### C. SPECIAL REQUIREMENTS

- (1) The pH meter must be calibrated and maintained in accordance with the manufacturer's specifications. The calibrations and the person(s) responsible for it must be recorded in a bound logbook. This logbook must be available for BSA inspection at all times.
- (2) All flow meters must be calibrated and certified by a certified manufacturer's representative at least once per year. This report must be submitted with the annual report. All flow meters must be serviced and maintained in accordance with the manufacturer's specifications. The BSA must be notified of any malfunctions which last for more than 24 hours within three (3) days of the malfunction. If a flow meter, especially at SP001, remains out of service for more than five (5) consecutive days, the permittee must install a temporary meter until such time as the defective meter is repaired or replaced. The BSA at its option, may require a written report on any malfunctions.
- (3) Surchargeable limit only.
- (4) Composite samples may be flow proportioned.
- (5) EPA Test Method 604.
- (6) The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.
- (7) Four grab samples must be properly taken and preserved over an equally spaced time period during a normal discharge day. The four grab samples must be flow proportionally composited at a New York State Department of Health certified lab.
- (8) All samples collected for the base neutral and acid extractable EPA analytical test procedures must go through a special cleanup to prevent aniline and aniline derivative interference of the analytical method. The permittee must report any aniline and aniline derivative whose concentration is greater than 0.01 mg/L.

- (9) The permittee must report any compound whose concentration is greater than 0.30 ug/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards, worker health or safety limits or harm the sewerage system. Any parameter detected may at the discretion of the Buffalo Sewer Authority, be specifically limited and incorporated into this permit.



GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

Ontario Specialty Contracting, Inc.  
Environmental Remediation • Detection / Characterization • Remedial Remediation

FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY



**BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT**  
**PART II: GENERAL CONDITIONS**

**A. MONITORING AND REPORTING**

**1. Local Limits**

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

**2. Definitions**

Definitions of terms contained in this permit are as defined in the Buffalo Sewer Authority Sewer Use Regulations.

**3. Discharge Sampling Analysis**

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet".

**4. Recording of Results**

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet".

**5. Additional Monitoring by Permittee**

If the permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

**6. Reporting**

All reports prepared in accordance with this Permit shall be submitted to:

**Industrial Waste Section  
Buffalo Sewer Authority Treatment Plant  
90 West Ferry Street  
Buffalo, New York 14213**

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet". These reporting requirements shall not relieve the permittee of any other reports, which may be required by the N.Y.S.D.E.C. or the U.S.E.P.A.

**7. Certification Statement**

All self-monitoring reports shall include the following certification statement, signed by the preparer of the report:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".*

**B. PERMITTEE REQUIREMENTS**

**1. Change in Discharge**

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the BPDES permit application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new BPDES Permit application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

**2. Records Retention**

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager.

**3. Slug Control Plan**

Upon written notification by the BSA that a slug control plan is necessary for the permittee, the plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines" sheet. Within 90 days of the BSA notification, the permittee must implement the slug control plan

**4. Notification of Slug, Accidental Discharge or Spill**

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the permittee to immediately notify the B.S.A. Treatment Plant of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM - 3:00 PM call 716-851-4664, ext. 5374. After normal business hours call 716-851-4664, ext. 600. For all slug discharges, and when requested by the BSA following an accidental discharge or spill, within five (5) days following all such discharges, the permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

**5. Noncompliance Notification**

If, for any reason, the permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the permittee or their assigns must verbally notify the Industrial Waste Section at 716-851-4664 ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. a description of the discharge and cause of noncompliance and;
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying discharge.

Additionally, the permittee shall repeat the sampling and analysis and submit these results of the report analysis to the Industrial Waste Section within 30 days after becoming aware of the violation.

**6. Adverse Impact**

The permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**7. Waste Residuals**

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo Sewer System.

**8. Power Failures**

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

**9. Treatment Upsets**

- a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

- (i) A description of the upset, its cause(s) and impact on the discharger's compliance status;
- (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the non-compliance is continuing, the time by which compliance is reasonably expected to be restored;
- (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

- b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section for any

noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

**10. Treatment Bypasses**

- a. A bypass of the treatment system is prohibited unless the following conditions are met:
  - (i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or
  - (ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and
  - (iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.
- b. Industrial users must provide immediate notice to the Industrial Waste Section upon discovery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.
- c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

**C. PERMITTEE RESPONSIBILITIES**

**1. Permit Availability**

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

**2. Inspections**

The permittee shall allow the General Manager of the Buffalo Sewer Authority and/or his authorized representatives, upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

**3. Transfer of Ownership or Control**

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Buffalo Sewer Authority permit application prior to discharge to the sewer system.

**D. PERMITTEE LIABILITIES**

**1. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

- a. Violation of any terms or conditions of this permit,
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**2. Imminent Danger**

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

**3. Civil and Criminal Liability**

Nothing in this permit shall relieve the permittee from any requirements, liabilities, or penalties under provisions of the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

**E. NATIONAL PRETREATMENT STANDARDS**

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

**F. PLANT CLOSURE**

In the event of plant closure, the permittee is required to notify the Industrial Waste Section in writing as soon as an anticipated closure date is determined, but in no case later than five days of the actual closure.

**G. CONFIDENTIALITY**

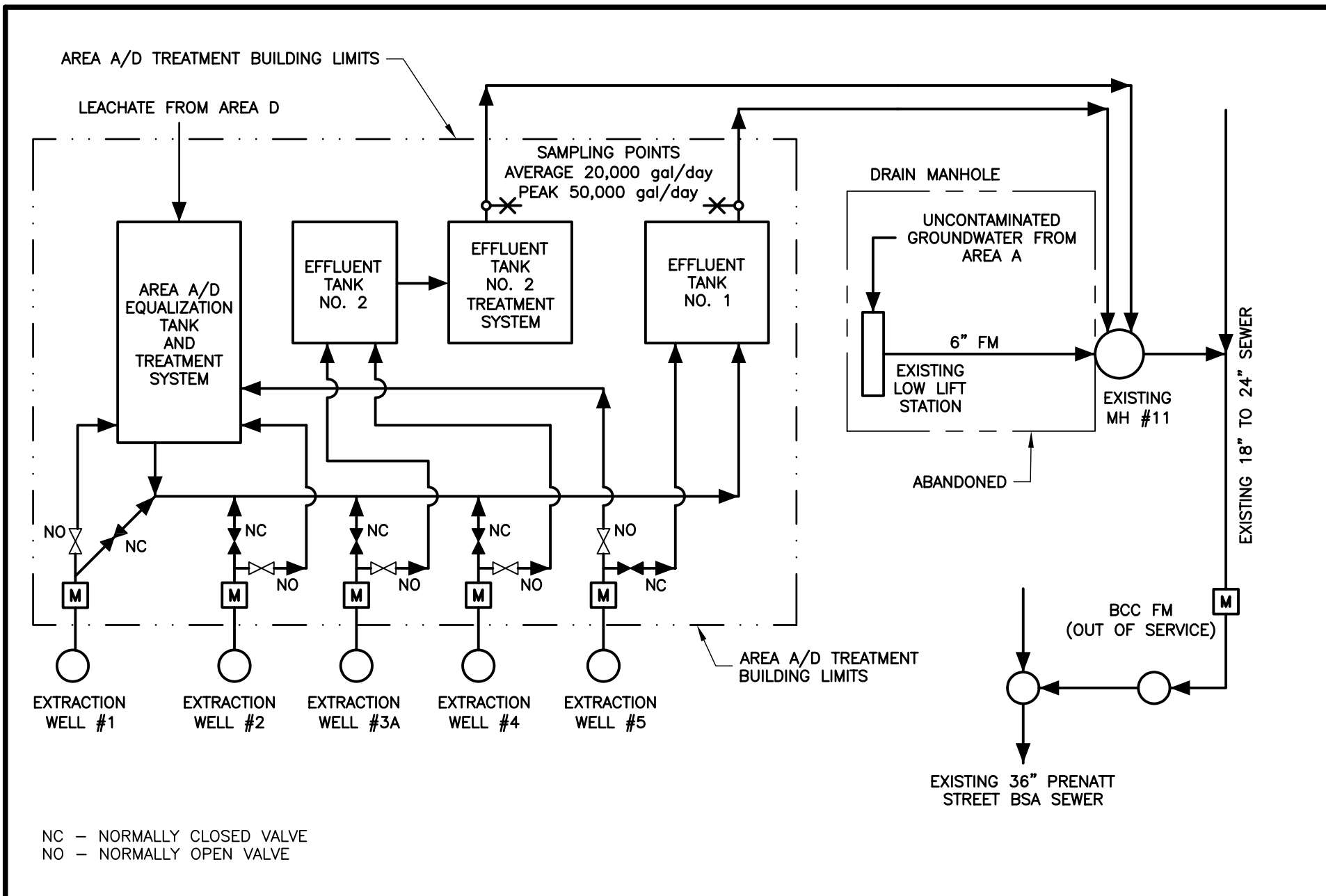
Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**H. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## **Monitoring and Sampling Schematics**





FORMER BUFFALO COLOR CORPORATION  
SITE  
BUFFALO, NY



Ontario Specialty Contracting, Inc.  
Environmental Remediation • Demolition / Dismantlement • Brownfield Redevelopment

GROUNDWATER  
EXTRACTION SYSTEM  
PROCESS FLOW DIAGRAM  
Figure 1

## **Laboratory Analytical Results**

## ANALYTICAL REPORT

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

Laboratory Job ID: 480-163255-1

Client Project/Site: 37745-Buffalo Color- GWTF SUMP

**For:**

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

Attn: Kirsten Colligan



Authorized for release by:  
12/10/2019 9:31:11 AM

Alexander Gilbert, Project Management Assistant I  
[alexander.gilbert@testamericainc.com](mailto:alexander.gilbert@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through

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Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

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# Definitions/Glossary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## 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
*	RPD of the LCS and LCSD exceeds the 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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Case Narrative

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Job ID: 480-163255-1

Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

#### Job Narrative 480-163255-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/25/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

#### GC/MS VOA

Method 624.1: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following sample was received preserved with hydrochloric acid: TRIP BLANK (480-163255-2). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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

#### GC/MS Semi VOA

Method 625.1: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 480-506913 and analytical batch 480-507087 recovered outside control limits for the following analytes: Benzidine.

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

#### GC Semi VOA

Methods 608, 608.3: The following samples are associated with a continuing calibration verification (CCV 480-507656/5) that had recoveries for the surrogate Decachlorobiphenyl that were above acceptance limits: BCC\_BSA\_SUMP\_1119 (480-163255-1). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

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

#### Metals

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

#### General Chemistry

Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: BCC\_BSA\_SUMP\_1119 (480-163255-1).

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

#### Organic Prep

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

## Detection Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

**Client Sample ID: BCC\_BSA\_SUMP\_1119**

**Lab Sample ID: 480-163255-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aniline	6.4	J	10	1.5	ug/L	1		625.1	Total/NA
Di-n-butyl phthalate	11		5.0	1.6	ug/L	1		625.1	Total/NA
Chromium	0.0032	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.012		0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0030	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0061	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.0092	J	0.010	0.0050	mg/L	1		420.1	Total/NA
pH	7.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.1	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA
Phosphorus	0.11		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	4.8	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-163255-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

Client Sample ID: BCC\_BSA\_SUMP\_1119

Lab Sample ID: 480-163255-1

Date Collected: 11/25/19 13:30

Matrix: Water

Date Received: 11/25/19 17:10

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/27/19 20:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/27/19 20:38	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/27/19 20:38	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/27/19 20:38	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/27/19 20:38	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/27/19 20:38	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/27/19 20:38	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/27/19 20:38	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/27/19 20:38	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/27/19 20:38	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/27/19 20:38	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/27/19 20:38	1
Acrolein	ND		100	17	ug/L			11/27/19 20:38	1
Acrylonitrile	ND		100	1.9	ug/L			11/27/19 20:38	1
Benzene	ND		5.0	0.60	ug/L			11/27/19 20:38	1
Bromodichloromethane	ND		5.0	0.54	ug/L			11/27/19 20:38	1
Bromoform	ND		5.0	0.47	ug/L			11/27/19 20:38	1
Bromomethane	ND		5.0	1.2	ug/L			11/27/19 20:38	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/27/19 20:38	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/27/19 20:38	1
Chloroethane	ND		5.0	0.87	ug/L			11/27/19 20:38	1
Chloroform	ND		5.0	0.54	ug/L			11/27/19 20:38	1
Chloromethane	ND		5.0	0.64	ug/L			11/27/19 20:38	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/27/19 20:38	1
Dibromochloromethane	ND		5.0	0.41	ug/L			11/27/19 20:38	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/27/19 20:38	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/27/19 20:38	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/27/19 20:38	1
Toluene	ND		5.0	0.45	ug/L			11/27/19 20:38	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/27/19 20:38	1
Trichloroethene	ND		5.0	0.60	ug/L			11/27/19 20:38	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			11/27/19 20:38	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/27/19 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		11/27/19 20:38	1
4-Bromofluorobenzene (Surr)	97		76 - 123		11/27/19 20:38	1
Dibromofluoromethane (Surr)	97		75 - 123		11/27/19 20:38	1
Toluene-d8 (Surr)	95		77 - 120		11/27/19 20:38	1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		11/26/19 15:47	11/27/19 14:32	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		11/26/19 15:47	11/27/19 14:32	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		11/26/19 15:47	11/27/19 14:32	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		11/26/19 15:47	11/27/19 14:32	1

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

Client Sample ID: BCC\_BSA\_SUMP\_1119

Lab Sample ID: 480-163255-1

Date Collected: 11/25/19 13:30

Matrix: Water

Date Received: 11/25/19 17:10

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		11/26/19 15:47	11/27/19 14:32	1
2-Chlorophenol	ND		5.0	0.66	ug/L		11/26/19 15:47	11/27/19 14:32	1
2-Nitrophenol	ND		5.0	0.70	ug/L		11/26/19 15:47	11/27/19 14:32	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		11/26/19 15:47	11/27/19 14:32	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		11/26/19 15:47	11/27/19 14:32	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 14:32	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 14:32	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 14:32	1
4-Nitrophenol	ND		10	10	ug/L		11/26/19 15:47	11/27/19 14:32	1
Acenaphthene	ND		5.0	0.81	ug/L		11/26/19 15:47	11/27/19 14:32	1
Acenaphthylene	ND		5.0	0.87	ug/L		11/26/19 15:47	11/27/19 14:32	1
Aniline	6.4	J	10	1.5	ug/L		11/26/19 15:47	11/27/19 14:32	1
Anthracene	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzidine	ND	*	80	35	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 14:32	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 14:32	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		11/26/19 15:47	11/27/19 14:32	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		11/26/19 15:47	11/27/19 14:32	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		11/26/19 15:47	11/27/19 14:32	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 14:32	1
Chrysene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Decane	ND		10	1.6	ug/L		11/26/19 15:47	11/27/19 14:32	1
Di-n-butyl phthalate	11		5.0	1.6	ug/L		11/26/19 15:47	11/27/19 14:32	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 14:32	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 14:32	1
Diethyl phthalate	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		11/26/19 15:47	11/27/19 14:32	1
Fluoranthene	ND		5.0	1.6	ug/L		11/26/19 15:47	11/27/19 14:32	1
Fluorene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
Hexachloroethane	ND		5.0	0.60	ug/L		11/26/19 15:47	11/27/19 14:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 14:32	1
Isophorone	ND		5.0	0.74	ug/L		11/26/19 15:47	11/27/19 14:32	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		11/26/19 15:47	11/27/19 14:32	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 14:32	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		11/26/19 15:47	11/27/19 14:32	1
Naphthalene	ND		5.0	0.86	ug/L		11/26/19 15:47	11/27/19 14:32	1
Nitrobenzene	ND		5.0	0.81	ug/L		11/26/19 15:47	11/27/19 14:32	1
Pentachlorophenol	ND		10	1.6	ug/L		11/26/19 15:47	11/27/19 14:32	1
Phenanthrene	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 14:32	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

Client Sample ID: BCC\_BSA\_SUMP\_1119

Lab Sample ID: 480-163255-1

Date Collected: 11/25/19 13:30

Matrix: Water

Date Received: 11/25/19 17:10

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.35	ug/L		11/26/19 15:47	11/27/19 14:32	1
Pyrene	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 14:32	1
n-Octadecane	ND		10	1.2	ug/L		11/26/19 15:47	11/27/19 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		52 - 151				11/26/19 15:47	11/27/19 14:32	1
2-Fluorobiphenyl	94		44 - 120				11/26/19 15:47	11/27/19 14:32	1
2-Fluorophenol	52		17 - 120				11/26/19 15:47	11/27/19 14:32	1
Nitrobenzene-d5	92		15 - 314				11/26/19 15:47	11/27/19 14:32	1
p-Terphenyl-d14	83		22 - 125				11/26/19 15:47	11/27/19 14:32	1
Phenol-d5	33		8 - 424				11/26/19 15:47	11/27/19 14:32	1

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1221	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1232	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1242	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1248	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1254	ND		0.060	0.031	ug/L		11/29/19 15:23	12/02/19 18:50	1
PCB-1260	ND		0.060	0.031	ug/L		11/29/19 15:23	12/02/19 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		36 - 121				11/29/19 15:23	12/02/19 18:50	1
Tetrachloro-m-xylene	74		42 - 135				11/29/19 15:23	12/02/19 18:50	1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0032	J	0.0040	0.0010	mg/L		11/27/19 08:55	11/29/19 21:31	1
Copper	ND		0.010	0.0016	mg/L		11/27/19 08:55	12/04/19 17:30	1
Lead	0.012		0.010	0.0030	mg/L		11/27/19 08:55	11/29/19 21:31	1
Nickel	0.0030	J	0.010	0.0013	mg/L		11/27/19 08:55	11/29/19 21:31	1
Zinc	0.0061	J	0.010	0.0015	mg/L		11/27/19 08:55	11/29/19 21:31	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/09/19 12:10	12/09/19 14:52	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.0092	J	0.010	0.0050	mg/L		12/05/19 15:59	12/05/19 18:17	1
Cyanide, Amenable	ND		0.010	0.0050	mg/L			12/04/19 06:17	1
Phosphorus	0.11		0.010	0.0050	mg/L as P			11/27/19 12:00	1
Biochemical Oxygen Demand	4.8	b	2.0	2.0	mg/L			11/26/19 18:34	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/26/19 15:31	1
pH	7.5	HF	0.1	0.1	SU			12/06/19 11:27	1
Temperature	21.1	HF	0.001	0.001	Degrees C			12/06/19 11:27	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-163255-2**

**Date Collected: 11/25/19 00:00**

**Matrix: Water**

**Date Received: 11/25/19 17:10**

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/27/19 21:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/27/19 21:02	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/27/19 21:02	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/27/19 21:02	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/27/19 21:02	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/27/19 21:02	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/27/19 21:02	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/27/19 21:02	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/27/19 21:02	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/27/19 21:02	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/27/19 21:02	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/27/19 21:02	1
Acrolein	ND		100	17	ug/L			11/27/19 21:02	1
Acrylonitrile	ND		100	1.9	ug/L			11/27/19 21:02	1
Benzene	ND		5.0	0.60	ug/L			11/27/19 21:02	1
Bromodichloromethane	ND		5.0	0.54	ug/L			11/27/19 21:02	1
Bromoform	ND		5.0	0.47	ug/L			11/27/19 21:02	1
Bromomethane	ND		5.0	1.2	ug/L			11/27/19 21:02	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/27/19 21:02	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/27/19 21:02	1
Chloroethane	ND		5.0	0.87	ug/L			11/27/19 21:02	1
Chloroform	ND		5.0	0.54	ug/L			11/27/19 21:02	1
Chloromethane	ND		5.0	0.64	ug/L			11/27/19 21:02	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/27/19 21:02	1
Dibromochloromethane	ND		5.0	0.41	ug/L			11/27/19 21:02	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/27/19 21:02	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/27/19 21:02	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/27/19 21:02	1
Toluene	ND		5.0	0.45	ug/L			11/27/19 21:02	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/27/19 21:02	1
Trichloroethene	ND		5.0	0.60	ug/L			11/27/19 21:02	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			11/27/19 21:02	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/27/19 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130		11/27/19 21:02	1
4-Bromofluorobenzene (Surr)	94		76 - 123		11/27/19 21:02	1
Dibromofluoromethane (Surr)	96		75 - 123		11/27/19 21:02	1
Toluene-d8 (Surr)	97		77 - 120		11/27/19 21:02	1

Eurofins TestAmerica, Buffalo

# Surrogate Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (68-130)	BFB (76-123)	DBFM (75-123)	TOL (77-120)
480-163255-1	BCC_BSA_SUMP_1119	101	97	97	95
480-163255-2	TRIP BLANK	101	94	96	97
LCS 480-507083/5	Lab Control Sample	98	100	101	101
MB 480-507083/7	Method Blank	104	105	109	100

### Surrogate Legend

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

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	TPHd14 (22-125)	PHL (8-424)
480-163255-1	BCC_BSA_SUMP_1119	86	94	52	92	83	33
LCS 480-506913/2-A	Lab Control Sample	97	91	48	88	101	34
LCSD 480-506913/3-A	Lab Control Sample Dup	97	88	46	87	104	35
MB 480-506913/1-A	Method Blank	72	92	50	93	105	33

### Surrogate Legend

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

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP2 (36-121)	TCX2 (42-135)
480-163255-1	BCC_BSA_SUMP_1119	44	74
LCS 480-507403/2-A	Lab Control Sample	74	80
LCSD 480-507403/3-A	Lab Control Sample Dup	76	80
MB 480-507403/1-A	Method Blank	72	77

### Surrogate Legend

DCBP2 = DCB Decachlorobiphenyl  
TCX2 = Tetrachloro-m-xylene

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-507083/7

Matrix: Water

Analysis Batch: 507083

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		5.0	0.39	ug/L			11/27/19 13:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/27/19 13:52	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/27/19 13:52	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/27/19 13:52	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/27/19 13:52	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/27/19 13:52	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/27/19 13:52	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/27/19 13:52	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/27/19 13:52	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/27/19 13:52	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/27/19 13:52	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/27/19 13:52	1
Acrolein	ND		100	17	ug/L			11/27/19 13:52	1
Acrylonitrile	ND		100	1.9	ug/L			11/27/19 13:52	1
Benzene	ND		5.0	0.60	ug/L			11/27/19 13:52	1
Bromodichloromethane	ND		5.0	0.54	ug/L			11/27/19 13:52	1
Bromoform	ND		5.0	0.47	ug/L			11/27/19 13:52	1
Bromomethane	ND		5.0	1.2	ug/L			11/27/19 13:52	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/27/19 13:52	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/27/19 13:52	1
Chloroethane	ND		5.0	0.87	ug/L			11/27/19 13:52	1
Chloroform	ND		5.0	0.54	ug/L			11/27/19 13:52	1
Chloromethane	ND		5.0	0.64	ug/L			11/27/19 13:52	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/27/19 13:52	1
Dibromochloromethane	ND		5.0	0.41	ug/L			11/27/19 13:52	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/27/19 13:52	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/27/19 13:52	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/27/19 13:52	1
Toluene	ND		5.0	0.45	ug/L			11/27/19 13:52	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/27/19 13:52	1
Trichloroethene	ND		5.0	0.60	ug/L			11/27/19 13:52	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			11/27/19 13:52	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/27/19 13:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 130		11/27/19 13:52	1
4-Bromofluorobenzene (Surr)	105		76 - 123		11/27/19 13:52	1
Dibromofluoromethane (Surr)	109		75 - 123		11/27/19 13:52	1
Toluene-d8 (Surr)	100		77 - 120		11/27/19 13:52	1

Lab Sample ID: LCS 480-507083/5

Matrix: Water

Analysis Batch: 507083

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	20.0	20.6		ug/L		103	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	46 - 157
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	52 - 150

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-507083/5

Matrix: Water

Analysis Batch: 507083

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	20.2		ug/L		101	59 - 155
1,1-Dichloroethene	20.0	21.0		ug/L		105	1 - 234
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	18 - 190
1,2-Dichloroethane	20.0	19.4		ug/L		97	49 - 155
1,2-Dichloropropane	20.0	19.5		ug/L		98	1 - 210
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	59 - 156
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	18 - 190
2-Chloroethyl vinyl ether	20.0	17.9	J	ug/L		89	1 - 305
Benzene	20.0	20.0		ug/L		100	37 - 151
Bromodichloromethane	20.0	19.7		ug/L		99	35 - 155
Bromoform	20.0	20.0		ug/L		100	45 - 169
Bromomethane	20.0	21.0		ug/L		105	1 - 242
Carbon tetrachloride	20.0	21.7		ug/L		108	70 - 140
Chlorobenzene	20.0	19.9		ug/L		99	37 - 160
Chloroethane	20.0	21.4		ug/L		107	14 - 230
Chloroform	20.0	20.5		ug/L		102	51 - 138
Chloromethane	20.0	20.1		ug/L		100	1 - 273
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	1 - 227
Dibromochloromethane	20.0	20.4		ug/L		102	53 - 149
Ethylbenzene	20.0	20.1		ug/L		101	37 - 162
Methylene Chloride	20.0	20.0		ug/L		100	1 - 221
Tetrachloroethene	20.0	20.4		ug/L		102	64 - 148
Toluene	20.0	20.5		ug/L		102	47 - 150
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	17 - 183
Trichloroethene	20.0	20.3		ug/L		101	71 - 157
Trichlorofluoromethane	20.0	21.9		ug/L		109	17 - 181
Vinyl chloride	20.0	21.1		ug/L		106	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		68 - 130
4-Bromofluorobenzene (Surr)	100		76 - 123
Dibromofluoromethane (Surr)	101		75 - 123
Toluene-d8 (Surr)	101		77 - 120

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-506913/1-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 506913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		11/26/19 15:47	11/27/19 12:05	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		11/26/19 15:47	11/27/19 12:05	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		11/26/19 15:47	11/27/19 12:05	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		11/26/19 15:47	11/27/19 12:05	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-506913/1-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 506913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		11/26/19 15:47	11/27/19 12:05	1
2-Chlorophenol	ND		5.0	0.66	ug/L		11/26/19 15:47	11/27/19 12:05	1
2-Nitrophenol	ND		5.0	0.70	ug/L		11/26/19 15:47	11/27/19 12:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		11/26/19 15:47	11/27/19 12:05	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		11/26/19 15:47	11/27/19 12:05	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 12:05	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 12:05	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 12:05	1
4-Nitrophenol	ND		10	10	ug/L		11/26/19 15:47	11/27/19 12:05	1
Acenaphthene	ND		5.0	0.81	ug/L		11/26/19 15:47	11/27/19 12:05	1
Acenaphthylene	ND		5.0	0.87	ug/L		11/26/19 15:47	11/27/19 12:05	1
Aniline	ND		10	1.5	ug/L		11/26/19 15:47	11/27/19 12:05	1
Anthracene	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzidine	ND		80	35	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 12:05	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		11/26/19 15:47	11/27/19 12:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		11/26/19 15:47	11/27/19 12:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		11/26/19 15:47	11/27/19 12:05	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		11/26/19 15:47	11/27/19 12:05	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		11/26/19 15:47	11/27/19 12:05	1
Chrysene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Decane	ND		10	1.6	ug/L		11/26/19 15:47	11/27/19 12:05	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		11/26/19 15:47	11/27/19 12:05	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 12:05	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 12:05	1
Diethyl phthalate	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		11/26/19 15:47	11/27/19 12:05	1
Fluoranthene	ND		5.0	1.6	ug/L		11/26/19 15:47	11/27/19 12:05	1
Fluorene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
Hexachloroethane	ND		5.0	0.60	ug/L		11/26/19 15:47	11/27/19 12:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		11/26/19 15:47	11/27/19 12:05	1
Isophorone	ND		5.0	0.74	ug/L		11/26/19 15:47	11/27/19 12:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		11/26/19 15:47	11/27/19 12:05	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		11/26/19 15:47	11/27/19 12:05	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		11/26/19 15:47	11/27/19 12:05	1
Naphthalene	ND		5.0	0.86	ug/L		11/26/19 15:47	11/27/19 12:05	1
Nitrobenzene	ND		5.0	0.81	ug/L		11/26/19 15:47	11/27/19 12:05	1
Pentachlorophenol	ND		10	1.6	ug/L		11/26/19 15:47	11/27/19 12:05	1
Phenanthrene	ND		5.0	1.2	ug/L		11/26/19 15:47	11/27/19 12:05	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-506913/1-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 506913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.35	ug/L		11/26/19 15:47	11/27/19 12:05	1
Pyrene	ND		5.0	1.4	ug/L		11/26/19 15:47	11/27/19 12:05	1
n-Octadecane	ND		10	1.2	ug/L		11/26/19 15:47	11/27/19 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		52 - 151	11/26/19 15:47	11/27/19 12:05	1
2-Fluorobiphenyl	92		44 - 120	11/26/19 15:47	11/27/19 12:05	1
2-Fluorophenol	50		17 - 120	11/26/19 15:47	11/27/19 12:05	1
Nitrobenzene-d5	93		15 - 314	11/26/19 15:47	11/27/19 12:05	1
p-Terphenyl-d14	105		22 - 125	11/26/19 15:47	11/27/19 12:05	1
Phenol-d5	33		8 - 424	11/26/19 15:47	11/27/19 12:05	1

Lab Sample ID: LCS 480-506913/2-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 506913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	38.0		ug/L		76	44 - 142
1,2-Dichlorobenzene	50.0	36.8		ug/L		74	32 - 129
1,3-Dichlorobenzene	50.0	34.9		ug/L		70	1 - 172
1,4-Dichlorobenzene	50.0	35.9		ug/L		72	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	42.9		ug/L		86	36 - 166
2,4,6-Trichlorophenol	50.0	44.3		ug/L		89	37 - 144
2,4-Dichlorophenol	50.0	44.4		ug/L		89	39 - 135
2,4-Dimethylphenol	50.0	43.4		ug/L		87	32 - 120
2,4-Dinitrophenol	100	91.9		ug/L		92	1 - 191
2,4-Dinitrotoluene	50.0	47.7		ug/L		95	39 - 139
2,6-Dinitrotoluene	50.0	48.1		ug/L		96	50 - 158
2-Chloronaphthalene	50.0	43.6		ug/L		87	60 - 120
2-Chlorophenol	50.0	39.3		ug/L		79	23 - 134
2-Nitrophenol	50.0	44.6		ug/L		89	29 - 182
3,3'-Dichlorobenzidine	100	105		ug/L		105	1 - 262
4,6-Dinitro-2-methylphenol	100	100		ug/L		100	1 - 181
4-Bromophenyl phenyl ether	50.0	50.3		ug/L		101	53 - 127
4-Chloro-3-methylphenol	50.0	45.8		ug/L		92	22 - 147
4-Chlorophenyl phenyl ether	50.0	48.1		ug/L		96	25 - 158
4-Nitrophenol	100	47.6		ug/L		48	1 - 132
Acenaphthene	50.0	47.2		ug/L		94	47 - 145
Acenaphthylene	50.0	47.0		ug/L		94	33 - 145
Aniline	50.0	32.5		ug/L		65	40 - 120
Anthracene	50.0	51.7		ug/L		103	27 - 133
Benzo[a]anthracene	50.0	52.1		ug/L		104	33 - 143
Benzo[a]pyrene	50.0	51.4		ug/L		103	17 - 163
Benzo[b]fluoranthene	50.0	52.9		ug/L		106	24 - 159
Benzo[g,h,i]perylene	50.0	50.2		ug/L		100	1 - 219
Benzo[k]fluoranthene	50.0	49.0		ug/L		98	11 - 162
Bis(2-chloroethoxy)methane	50.0	45.3		ug/L		91	33 - 184
Bis(2-chloroethyl)ether	50.0	43.7		ug/L		87	12 - 158

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-506913/2-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 506913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	50.0	54.9		ug/L		110	8 - 158
Butyl benzyl phthalate	50.0	54.0		ug/L		108	1 - 152
Chrysene	50.0	52.1		ug/L		104	17 - 168
Di-n-butyl phthalate	50.0	53.2		ug/L		106	1 - 120
Di-n-octyl phthalate	50.0	54.8		ug/L		110	4 - 146
Dibenz(a,h)anthracene	50.0	51.6		ug/L		103	1 - 227
Diethyl phthalate	50.0	48.9		ug/L		98	1 - 120
Dimethyl phthalate	50.0	47.9		ug/L		96	1 - 120
Fluoranthene	50.0	53.4		ug/L		107	26 - 137
Fluorene	50.0	47.3		ug/L		95	59 - 121
Hexachlorobenzene	50.0	51.5		ug/L		103	1 - 152
Hexachlorocyclopentadiene	50.0	37.2		ug/L		74	5 - 120
Hexachloroethane	50.0	31.8		ug/L		64	40 - 120
Indeno[1,2,3-cd]pyrene	50.0	49.2		ug/L		98	1 - 171
Isophorone	50.0	45.6		ug/L		91	21 - 196
N-Nitrosodi-n-propylamine	50.0	43.0		ug/L		86	1 - 230
N-Nitrosodiphenylamine	50.0	50.9		ug/L		102	54 - 125
Naphthalene	50.0	41.6		ug/L		83	21 - 133
Nitrobenzene	50.0	43.6		ug/L		87	35 - 180
Pentachlorophenol	100	85.4		ug/L		85	14 - 176
Phenanthrene	50.0	49.7		ug/L		99	54 - 120
Phenol	50.0	19.0		ug/L		38	5 - 120
Pyrene	50.0	53.6		ug/L		107	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	97		52 - 151
2-Fluorobiphenyl	91		44 - 120
2-Fluorophenol	48		17 - 120
Nitrobenzene-d5	88		15 - 314
p-Terphenyl-d14	101		22 - 125
Phenol-d5	34		8 - 424

Lab Sample ID: LCSD 480-506913/3-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 506913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	38.2		ug/L		76	44 - 142	1	34
1,2-Dichlorobenzene	50.0	36.8		ug/L		74	32 - 129	0	38
1,3-Dichlorobenzene	50.0	33.9		ug/L		68	1 - 172	3	37
1,4-Dichlorobenzene	50.0	35.2		ug/L		70	20 - 124	2	40
2,2'-oxybis[1-chloropropane]	50.0	42.2		ug/L		84	36 - 166	2	36
2,4,6-Trichlorophenol	50.0	45.9		ug/L		92	37 - 144	4	20
2,4-Dichlorophenol	50.0	44.2		ug/L		88	39 - 135	0	23
2,4-Dimethylphenol	50.0	43.9		ug/L		88	32 - 120	1	18
2,4-Dinitrophenol	100	96.5		ug/L		96	1 - 191	5	29
2,4-Dinitrotoluene	50.0	47.7		ug/L		95	39 - 139	0	20
2,6-Dinitrotoluene	50.0	49.0		ug/L		98	50 - 158	2	17

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-506913/3-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 506913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloronaphthalene	50.0	43.5		ug/L		87	60 - 120	0	30
2-Chlorophenol	50.0	39.5		ug/L		79	23 - 134	1	26
2-Nitrophenol	50.0	44.0		ug/L		88	29 - 182	1	28
3,3'-Dichlorobenzidine	100	103		ug/L		103	1 - 262	1	31
4,6-Dinitro-2-methylphenol	100	99.8		ug/L		100	1 - 181	1	30
4-Bromophenyl phenyl ether	50.0	48.8		ug/L		98	53 - 127	3	16
4-Chloro-3-methylphenol	50.0	45.7		ug/L		91	22 - 147	0	16
4-Chlorophenyl phenyl ether	50.0	49.1		ug/L		98	25 - 158	2	15
4-Nitrophenol	100	47.9		ug/L		48	1 - 132	1	24
Acenaphthene	50.0	46.3		ug/L		93	47 - 145	2	25
Acenaphthylene	50.0	47.7		ug/L		95	33 - 145	1	22
Aniline	50.0	27.4		ug/L		55	40 - 120	17	30
Anthracene	50.0	51.2		ug/L		102	27 - 133	1	15
Benzo[a]anthracene	50.0	53.0		ug/L		106	33 - 143	2	15
Benzo[a]pyrene	50.0	50.5		ug/L		101	17 - 163	2	15
Benzo[b]fluoranthene	50.0	48.4		ug/L		97	24 - 159	9	17
Benzo[g,h,i]perylene	50.0	48.8		ug/L		98	1 - 219	3	19
Benzo[k]fluoranthene	50.0	52.7		ug/L		105	11 - 162	7	19
Bis(2-chloroethoxy)methane	50.0	44.6		ug/L		89	33 - 184	2	23
Bis(2-chloroethyl)ether	50.0	42.0		ug/L		84	12 - 158	4	33
Bis(2-ethylhexyl) phthalate	50.0	55.6		ug/L		111	8 - 158	1	15
Butyl benzyl phthalate	50.0	53.7		ug/L		107	1 - 152	0	15
Chrysene	50.0	52.1		ug/L		104	17 - 168	0	15
Di-n-butyl phthalate	50.0	53.2		ug/L		106	1 - 120	0	15
Di-n-octyl phthalate	50.0	54.5		ug/L		109	4 - 146	1	15
Dibenz(a,h)anthracene	50.0	50.2		ug/L		100	1 - 227	3	18
Diethyl phthalate	50.0	48.6		ug/L		97	1 - 120	1	15
Dimethyl phthalate	50.0	47.9		ug/L		96	1 - 120	0	15
Fluoranthene	50.0	51.9		ug/L		104	26 - 137	3	15
Fluorene	50.0	47.1		ug/L		94	59 - 121	0	18
Hexachlorobenzene	50.0	48.5		ug/L		97	1 - 152	6	15
Hexachlorocyclopentadiene	50.0	37.2		ug/L		74	5 - 120	0	50
Hexachloroethane	50.0	31.5		ug/L		63	40 - 120	1	43
Indeno[1,2,3-cd]pyrene	50.0	48.8		ug/L		98	1 - 171	1	17
Isophorone	50.0	44.8		ug/L		90	21 - 196	2	21
N-Nitrosodi-n-propylamine	50.0	44.3		ug/L		89	1 - 230	3	23
N-Nitrosodiphenylamine	50.0	49.4		ug/L		99	54 - 125	3	15
Naphthalene	50.0	41.5		ug/L		83	21 - 133	0	31
Nitrobenzene	50.0	43.6		ug/L		87	35 - 180	0	27
Pentachlorophenol	100	88.7		ug/L		89	14 - 176	4	21
Phenanthrene	50.0	49.5		ug/L		99	54 - 120	0	16
Phenol	50.0	18.8		ug/L		38	5 - 120	1	36
Pyrene	50.0	54.1		ug/L		108	52 - 120	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	97		52 - 151
2-Fluorobiphenyl	88		44 - 120
2-Fluorophenol	46		17 - 120

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-506913/3-A

Matrix: Water

Analysis Batch: 507087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 506913

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	87		15 - 314
p-Terphenyl-d14	104		22 - 125
Phenol-d5	35		8 - 424

## Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-507403/1-A

Matrix: Water

Analysis Batch: 507656

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 507403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1221	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1232	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1242	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1248	ND		0.060	0.038	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1254	ND		0.060	0.031	ug/L		11/29/19 15:23	12/02/19 16:59	1
PCB-1260	ND		0.060	0.031	ug/L		11/29/19 15:23	12/02/19 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		36 - 121	11/29/19 15:23	12/02/19 16:59	1
Tetrachloro-m-xylene	77		42 - 135	11/29/19 15:23	12/02/19 16:59	1

Lab Sample ID: LCS 480-507403/2-A

Matrix: Water

Analysis Batch: 507656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 507403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.991		ug/L		99	69 - 123
PCB-1260	1.00	1.07		ug/L		107	69 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	74		36 - 121
Tetrachloro-m-xylene	80		42 - 135

Lab Sample ID: LCSD 480-507403/3-A

Matrix: Water

Analysis Batch: 507656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 507403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.05		ug/L		105	69 - 123	6	30
PCB-1260	1.00	1.11		ug/L		111	69 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	76		36 - 121
Tetrachloro-m-xylene	80		42 - 135

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# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-506896/1-A  
Matrix: Water  
Analysis Batch: 507448

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 506896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		11/27/19 08:55	11/29/19 20:30	1
Lead	ND		0.010	0.0030	mg/L		11/27/19 08:55	11/29/19 20:30	1
Nickel	ND		0.010	0.0013	mg/L		11/27/19 08:55	11/29/19 20:30	1
Zinc	ND		0.010	0.0015	mg/L		11/27/19 08:55	11/29/19 20:30	1

Lab Sample ID: MB 480-506896/1-A  
Matrix: Water  
Analysis Batch: 508233

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 506896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010	0.0016	mg/L		11/27/19 08:55	12/04/19 17:19	1

Lab Sample ID: LCS 480-506896/2-A  
Matrix: Water  
Analysis Batch: 507448

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 506896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.206		mg/L		103	85 - 115
Lead	0.200	0.200		mg/L		100	85 - 115
Nickel	0.200	0.202		mg/L		101	85 - 115
Zinc	0.200	0.215		mg/L		107	85 - 115

Lab Sample ID: LCS 480-506896/2-A  
Matrix: Water  
Analysis Batch: 508233

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 506896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.200	0.193		mg/L		96	85 - 115

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-508815/1-A  
Matrix: Water  
Analysis Batch: 508904

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 508815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/09/19 12:10	12/09/19 14:43	1

Lab Sample ID: LCS 480-508815/2-A  
Matrix: Water  
Analysis Batch: 508904

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 508815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00718		mg/L		108	85 - 115

# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 480-508815/3-A

Matrix: Water

Analysis Batch: 508904

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 508815

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00718		mg/L		108	85 - 115	0	20

## Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-508371/1-A

Matrix: Water

Analysis Batch: 508405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 508371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		12/05/19 15:59	12/05/19 19:20	1

Lab Sample ID: LCS 480-508371/2-A

Matrix: Water

Analysis Batch: 508405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 508371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenolics, Total Recoverable	0.100	0.0975		mg/L		97	90 - 110		

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-506906/1

Matrix: Water

Analysis Batch: 506906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/26/19 15:31	1

Lab Sample ID: LCS 480-506906/2

Matrix: Water

Analysis Batch: 506906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids	244	230.4		mg/L		94	88 - 110		

Lab Sample ID: 480-163255-1 DU

Matrix: Water

Analysis Batch: 506906

Client Sample ID: BCC\_BSA\_SUMP\_1119

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D		RPD	RPD Limit
Total Suspended Solids	ND		4.00		mg/L			NC	10

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-508524/23

Matrix: Water

Analysis Batch: 508524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH	7.00	7.1		SU		101	99 - 101		

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# QC Sample Results

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-507140/27

Matrix: Water

Analysis Batch: 507140

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			11/27/19 12:00	1

Lab Sample ID: LCS 480-507140/28

Matrix: Water

Analysis Batch: 507140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.185		mg/L as P		92	90 - 110

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-506946/1

Matrix: Water

Analysis Batch: 506946

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			11/26/19 18:34	1

Lab Sample ID: LCS 480-506946/2

Matrix: Water

Analysis Batch: 506946

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	174.1		mg/L		88	85 - 115

# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## GC/MS VOA

### Analysis Batch: 507083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	624.1	
480-163255-2	TRIP BLANK	Total/NA	Water	624.1	
MB 480-507083/7	Method Blank	Total/NA	Water	624.1	
LCS 480-507083/5	Lab Control Sample	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 506913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	625	
MB 480-506913/1-A	Method Blank	Total/NA	Water	625	
LCS 480-506913/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-506913/3-A	Lab Control Sample Dup	Total/NA	Water	625	

### Analysis Batch: 507087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	625.1	506913
MB 480-506913/1-A	Method Blank	Total/NA	Water	625.1	506913
LCS 480-506913/2-A	Lab Control Sample	Total/NA	Water	625.1	506913
LCSD 480-506913/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	506913

## GC Semi VOA

### Prep Batch: 507403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	3510C	
MB 480-507403/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-507403/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-507403/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 507656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	608.3	507403
MB 480-507403/1-A	Method Blank	Total/NA	Water	608.3	507403
LCS 480-507403/2-A	Lab Control Sample	Total/NA	Water	608.3	507403
LCSD 480-507403/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	507403

## Metals

### Prep Batch: 506896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	200.7	
MB 480-506896/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-506896/2-A	Lab Control Sample	Total/NA	Water	200.7	

### Analysis Batch: 507448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	200.7 Rev 4.4	506896
MB 480-506896/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	506896
LCS 480-506896/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	506896

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# QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

## Metals

### Analysis Batch: 508233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	200.7 Rev 4.4	506896
MB 480-506896/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	506896
LCS 480-506896/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	506896

### Prep Batch: 508815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	245.1	
MB 480-508815/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-508815/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 480-508815/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	

### Analysis Batch: 508904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	245.1	508815
MB 480-508815/1-A	Method Blank	Total/NA	Water	245.1	508815
LCS 480-508815/2-A	Lab Control Sample	Total/NA	Water	245.1	508815
LCSD 480-508815/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	508815

## General Chemistry

### Analysis Batch: 506906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	SM 2540D	
MB 480-506906/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-506906/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-163255-1 DU	BCC_BSA_SUMP_1119	Total/NA	Water	SM 2540D	

### Analysis Batch: 506946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	SM 5210B	
USB 480-506946/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-506946/2	Lab Control Sample	Total/NA	Water	SM 5210B	

### Analysis Batch: 507140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	SM 4500 P E	
MB 480-507140/27	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-507140/28	Lab Control Sample	Total/NA	Water	SM 4500 P E	

### Prep Batch: 508371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	Distill/Phenol	
MB 480-508371/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-508371/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	

### Analysis Batch: 508405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	420.1	508371
MB 480-508371/1-A	Method Blank	Total/NA	Water	420.1	508371
LCS 480-508371/2-A	Lab Control Sample	Total/NA	Water	420.1	508371

Eurofins TestAmerica, Buffalo



## QC Association Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

### General Chemistry

#### Analysis Batch: 508524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	SM 4500 H+ B	
LCS 480-508524/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

#### Analysis Batch: 508875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163255-1	BCC_BSA_SUMP_1119	Total/NA	Water	SM 4500 CN G	

# Lab Chronicle

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

**Client Sample ID: BCC\_BSA\_SUMP\_1119**

**Lab Sample ID: 480-163255-1**

**Date Collected: 11/25/19 13:30**

**Matrix: Water**

**Date Received: 11/25/19 17:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	507083	11/27/19 20:38	LCH	TAL BUF
Total/NA	Prep	625			506913	11/26/19 15:47	ATG	TAL BUF
Total/NA	Analysis	625.1		1	507087	11/27/19 14:32	JMM	TAL BUF
Total/NA	Prep	3510C			507403	11/29/19 15:23	ATG	TAL BUF
Total/NA	Analysis	608.3		1	507656	12/02/19 18:50	W1T	TAL BUF
Total/NA	Prep	200.7			506896	11/27/19 08:55	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	507448	11/29/19 21:31	LMH	TAL BUF
Total/NA	Prep	200.7			506896	11/27/19 08:55	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	508233	12/04/19 17:30	LMH	TAL BUF
Total/NA	Prep	245.1			508815	12/09/19 12:10	BMB	TAL BUF
Total/NA	Analysis	245.1		1	508904	12/09/19 14:52	BMB	TAL BUF
Total/NA	Prep	Distill/Phenol			508371	12/05/19 15:59	NLA	TAL BUF
Total/NA	Analysis	420.1		1	508405	12/05/19 18:17	SRW	TAL BUF
Total/NA	Analysis	SM 2540D		1	506906	11/26/19 15:31	CSS	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	508875	12/04/19 06:17	JJP	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508524	12/06/19 11:27	NLA	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	507140	11/27/19 12:00	RP	TAL BUF
Total/NA	Analysis	SM 5210B		1	506946	11/26/19 18:34	SRA	TAL BUF

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-163255-2**

**Date Collected: 11/25/19 00:00**

**Matrix: Water**

**Date Received: 11/25/19 17:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	507083	11/27/19 21:02	LCH	TAL BUF

## Laboratory References:

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

## Accreditation/Certification Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
625.1	625	Water	1,2-Dichlorobenzene
625.1	625	Water	1,3-Dichlorobenzene
625.1	625	Water	1,4-Dichlorobenzene
SM 4500 CN G		Water	Cyanide, Amenable
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

## Method Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608.3	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
420.1	Phenolics, Total Recoverable	MCAWW	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
245.1	Preparation, Mercury	EPA	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
625	Liquid-Liquid Extraction	40CFR136A	TAL BUF
Distill/Phenol	Distillation, Phenolics	None	TAL BUF

### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

### Laboratory References:

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

## Sample Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163255-1	BCC_BSA_SUMP_1119	Water	11/25/19 13:30	11/25/19 17:10	
480-163255-2	TRIP BLANK	Water	11/25/19 00:00	11/25/19 17:10	

## Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.  
Project/Site: 37745-Buffalo Color- GWTF SUMP

Job ID: 480-163255-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
625.1	2,4-Dinitrotoluene	Water	Total/NA	ug/L	5.0	10
625.1	4-Nitrophenol	Water	Total/NA	ug/L	10	15
625.1	Hexachlorocyclopentadiene	Water	Total/NA	ug/L	5.0	10

## Chain of Custody Record

herst, NY 14228  
phone 716.504.9852 fax 716.691.7991

**TestAmerica Laboratories, Inc.**

<b>Client Contact</b> Client: <b>Statio Specialty Contracting Inc</b> Address: <b>3 Ganson Street</b> City: <b>Buffalo, NY 14203</b> Phone: <b>(616) 856-3333</b> FAX: <b>(616) 842-1785</b> Project Name: <b>Buffalo Color GWTF Sump</b> Location: <b>re. Honeywell Buffalo Color - NYC815230</b> ID #: <b>61835</b>		<b>Project Manager: John Schove</b> Tel/Fax: <b>716-912-9926</b> <b>Analysis Turnaround Time</b> Calendar (C) or Work Days (W) _____ TAT if different from Below _____ <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		<b>Site Contact: Tom Wagner</b> <b>Lab Contact: John Schove</b>		<b>Date: 11-25-19</b> <b>Carrier: OSC</b> Job No. 16011 SDG No. _____		COC No: <b>137694-16037-119</b> I of 1 COCs	
<b>Sample Identification</b> BCC_BSA_Sump_1119 Trip Blank				<b>Sample Specific Notes:</b>		Sample Specific Notes:			
<b>Sample Date</b> 11-25-19 1330 N/A				<b>Sample Type</b> C N/A		<b>Matrix</b> W W		<b># of Cont.</b> 19 2	
<b>Container Volume (mL)</b> 3 4 3 2 1 1 5 1				<b>Container Volume (mL)</b> 3 4 3 2 1 1 5 1		<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
<b>Instructions/QC Requirements &amp; Comments:</b>				<b>Company:</b> OSC		<b>Date/Time:</b> 11-25-19		<b>Received by:</b> [Signature]	
<b>Company:</b> OSC				<b>Date/Time:</b> 11-25-19		<b>Received by:</b> [Signature]		<b>Company:</b> OSC	
<b>Company:</b> OSC				<b>Date/Time:</b> 11-25-19		<b>Received by:</b> [Signature]		<b>Company:</b> OSC	

## Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-163255-1

**Login Number: 163255**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Hulbert, Michael J**

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



## **Field Data Collection Sheets**

Buffalo Color GWTF Weekly Process Assessment																										
		Bag Filter F-1A/1B		Bag Filter F-2A/2B		Multi-Media Filter F-30		LGAC CA-40 and CA-41					Effluent Tank No. 1 T-28				Effluent Tank No. 2 T-27			Discharge Lines To BSA Sump						
Date	Associate	Influent Pressure PI-1A	Effluent Pressure PI-1B	Influent Pressure PI-107A	Effluent Pressure PI-107B	Influent Pressure PI-30A	Effluent Pressure PI-30B	Flow Rate FE-60	Lead Influent Pressure PI-40A	Lead Effluent Pressure PI-40B	Lag Influent Pressure PI-41A	Lag Effluent Pressure PI-41B	PH Meter	Pressure PI-106A/B	Flow Rate FE-106	Totalizer FE-106	Pressure PI-106C	Flow Rate FE-107	Totalizer FE-107	Pressure PI-107C	Leak Detection Vault No. 1 Pressure PI-106D	Leak Detection Vault No. 1 Pressure PI-107D	Leak Detection Vault No. 3 Pressure PI-106E	Leak Detection Vault No. 3 Pressure PI-107E	Containment Line Pressure Gauge Checks	Column1
10/4/2019	TW	43	39	33	23	35	32	22.5	30	24	25	20	7.7	16	22.5	27,164,404	16	25	14,429,413	21	5	10	1	3	y	41593817
10/14/2019	TW	45	36	33	16	32	29	20.8	28	21	22	18	7.84	13	21	27,265,740	13	20.9	14,440,555	16	4	7	1	1	y	41706295
10/18/2019	TW	44	38	33	17	33	31	21.4	30	23	25	20	7.85	15	21.4	27,308,034	15	22	14,445,262	17	5	8	1	3	y	41753296
10/25/2019	TW	44	41	32	23	37	35	20.2	30	24	26	22	7.81	17	21.4	27,378,226	17	24.7	14,453,690	22	5	8	1	2	y	41831916
11/1/2019	TW	44	42	33	18	38	35	20.3	33	26	28	23	7.75	18	20.4	27,452,048	19	22.2	14,461,794	18	4	8	1	1	y	41913842
11/8/2019	TW	44	42	33	22	38	36	20.5	35	25	28	22	7.78	18	20.7	27,499,806	19	24.6	14,468,740	21	3	7	1	2	y	41968546
11/18/2019	TW	43	41	33	20	37	35	22.2	35	30	31	27	7.67	22	22.5	27,577,656	22	22.8	14,476,997	19	7	11	2	3	y	42054653
11/22/2019	TW	43	42	33	16	37	35	21.9	35	29	30	25	7.69	21	21.9	27,623,710	21	19.2	14,486,408	13	7	10	2	2	y	42110118
11/27/2019	TW	43	40	33	20	35	32	20.8	33	27	28	23	7.62	20	21	27,680,490	20	23.8	14,492,999	18	7	10	2	3	y	42173489
12/6/2019	TW	43	40	33	20	35	33	20.8	32	27	33	24	7.67	19	21	27,763,682	20	23.1	14,503,083	14	4	9	1	3	y	42266765
12/12/2019	TW	43	41	33	26	37	35	20.5	32	27	28	24	7.65	20	20.7	27,831,714	21	20.7	14,511,298	23	6	12	2	4	y	42343012
12/20/2019	TW	44	43	33	23	39	36	20.6	35	29	31	27	7.81	23	20.7	27,915,884	22	25	14,521,334	22	6	12	2	3	y	42437218
12/30/2019	TW	45	42	33	22	37	34	19.1	33	26	28	23	7.61	18	19.3	27,999,506	20	0		19	4	10	1	3	y	27999506

Buffalo Color Area A Observation Well Levels and Extraction Well Readings																														
MONTHLY READINGS			Observation Wells - Distance Between Water Level and Top of Well Casing (ft)											A-EW-1							A-EW-2									
														Flow Panel			Pump Control Panel			Extraction Well	Flow Panel			Pump Control Panel			Extraction Well			
Buffalo Color Area A Observation n Well Levels and	Associate	Buffalo River Stadia Rod (ft)	A-OW-II	A-OW-1E	A-OW-2I	A-OW-2E	A-OW-3I	A-OW-3E	A-OW-4I	A-OW-4E	A-OW-5I	A-OW-5E	A-OW-6I	A-OW-6E	A-EW-1 Totalizer (gal)	A-EW-1 Flow Rate (gpm)	A-EW-1 Flow Panel PI (psi)	A-EW-1 SP (ft)	A-EW-1 PV (ft)	A-EW-1 VFD (Hz)	A-EW-1 Well Head PI (psi)	A-EW-1 DTW (ft)	A-EW-2 Totalizer (gal)	A-EW-2 Flow Rate (gpm)	A-EW-2 Flow Panel PI (psi)	A-EW-2 SP (ft)	A-EW-2 VFD (Hz)	A-EW-2 Well Head PI (psi)	A-EW-2 DTW (ft)	
9/19/2019	TW	4.2	11.81	10.25	12.11	10.75	11.61	11.58	11.80	12.50	10.99	9.89	13.59	11.89	30,596,700	8.02	4	7.2	9.8	60	12	11.3	6,271,681	0.53	0	1	1	26	11	22.16
10/10/2019	TW	4	11.91	10.54	12.20	11.04	11.08	11.89	11.95	12.35	11.20	10.10	13.79	12.11	30,832,006	8.08	4	7.2	9.6	60	13	11.42	6,287,135	0.53	0	1	1	26	12	22.18
11/14/2019	TW	4.5	11.20	10.10	11.58	10.75	11.22	11.43	11.47	11.90	10.72	9.54	13.32	11.68	31,154,726	8.12	5	7.2	10.4	60	13	10.84	6,310,141	0.59	0	1	1	26.6	11	22.21
12/16/2019	TW	4	10.56	10.38	11.38	11.03	10.85	11.93	10.95	12.34	10.47	10.11	13.12	12.00	31,510,954	8.16	4	7.2	10.6	60	10	10.64	6,335,071	0.6	0	1	1	26	10	22.21

Buffalo Color Area A Observation Well Levels and Extraction Well Readings

A-EW-3A								A-EW-4								A-EW-5								Set Point (SP) Process Variable (PV) Variable Frequency Drive (VFD) Pressure Indicator (PI) Depth To Water (DTW)			
Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Comments			
A-EW-3A Totalizer (gal)	A-EW-3A Flow Rate (gpm)	A-EW-3A Flow Panel PI (psi)	A-EW-3A SP (ft)	A-EW-3A PV (ft)	A-EW-3A VFD (Hz)	A-EW-3A Well Head PI (psi)	A-EW-4 Totalizer (gal)	A-EW-4 Flow Panel PI (psi)	A-EW-4 Flow Rate (gpm)	A-EW-4 SP (ft)	A-EW-4 PV (ft)	A-EW-4 VFD (Hz)	A-EW-4 Well Head PI (psi)	A-EW-4 DTW (ft)	A-EW-5 Totalizer (gal)	A-EW-5 Flow Rate (gpm)	A-EW-5 Flow Panel PI (psi)	A-EW-5 SP (ft)	A-EW-5 PV (ft)	A-EW-5 VFD (Hz)	A-EW-5 Well Head PI (psi)	A-EW-5 DTW (ft)					
13,390,205	0.47	0	1.2	1.2	20.8	2	22.47	6,593,373	0.46	0	1.5	1.5	11.6	5	22.46	5,060,459	0.45	2	1.5	1.5	34.9	2	22.04				
13,405,387	0.6	0	1.2	1.2	21.4	2	22.48	6,600,122	0.45	0	1.5	1.5	19.5	3	22.57	5,073,013	0.43	2	1.5	1.6	32.7	4	22.08				
13,434,536	0.7	0	1.2	1.2	21.9	5	22.43	6,610,053	0.45	0	1.5	1.5	16.5	3	22.49	5,094,127	0.67	3	1.5	1.5	41.1	5	21.13				
13,463,989	0.66	0	1.2	1.2	21.7	6	22.38	6,621,206	0.43	0	1.5	1.5	11.9	6	22.48	5,116,826	0.58	3	1.5	1.5	42	5	20.92				

Buffalo Color Area A Observation Well Levels and Extraction Well Readings																														
MONTHLY READINGS			Observation Wells - Distance Between Water Level and Top of Well Casing (ft)											A-EW-1							A-EW-2									
														Flow Panel			Pump Control Panel			Extraction Well	Flow Panel			Pump Control Panel			Extraction Well			
Buffalo Color Area A Observation n Well Levels and	Associate	Buffalo River Stadia Rod (ft)	A-OW-II	A-OW-1E	A-OW-2I	A-OW-2E	A-OW-3I	A-OW-3E	A-OW-4I	A-OW-4E	A-OW-5I	A-OW-5E	A-OW-6I	A-OW-6E	A-EW-1 Totalizer (gal)	A-EW-1 Flow Rate (gpm)	A-EW-1 Flow Panel PI (psi)	A-EW-1 SP (ft)	A-EW-1 PV (ft)	A-EW-1 VFD (Hz)	A-EW-1 Well Head PI (psi)	A-EW-1 DTW (ft)	A-EW-2 Totalizer (gal)	A-EW-2 Flow Rate (gpm)	A-EW-2 Flow Panel PI (psi)	A-EW-2 SP (ft)	A-EW-2 VFD (Hz)	A-EW-2 Well Head PI (psi)	A-EW-2 DTW (ft)	
9/19/2019	TW	4.2	11.81	10.25	12.11	10.75	11.61	11.58	11.80	12.50	10.99	9.89	13.59	11.89	30,596,700	8.02	4	7.2	9.8	60	12	11.3	6,271,681	0.53	0	1	1	26	11	22.16
10/10/2019	TW	4	11.91	10.54	12.20	11.04	11.08	11.89	11.95	12.35	11.20	10.10	13.79	12.11	30,832,006	8.08	4	7.2	9.6	60	13	11.42	6,287,135	0.53	0	1	1	26	12	22.18
11/14/2019	TW	4.5	11.20	10.10	11.58	10.75	11.22	11.43	11.47	11.90	10.72	9.54	13.32	11.68	31,154,726	8.12	5	7.2	10.4	60	13	10.84	6,310,141	0.59	0	1	1	26.6	11	22.21
12/16/2019	TW	4	10.56	10.38	11.38	11.03	10.85	11.93	10.95	12.34	10.47	10.11	13.12	12.00	31,510,954	8.16	4	7.2	10.6	60	10	10.64	6,335,071	0.6	0	1	1	26	10	22.21

Buffalo Color Area A Observation Well Levels and Extraction Well Readings																							
A-EW-3A							A-EW-4							A-EW-5							Set Point (SP) Process Variable (PV) Variable Frequency Drive (VFD) Pressure Indicator (PI) Depth To Water (DTW)		
Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well		Flow Panel			Pump Control Panel			Extraction Well	
A-EW-3A Totalizer (gal)	A-EW-3A Flow Rate (gpm)	A-EW-3A Flow Panel PI (psi)	A-EW-3A SP (ft)	A-EW-3A PV (ft)	A-EW-3A VFD (Hz)	A-EW-3A Well Head PI (psi)	A-EW-3A DTW (ft)	A-EW-4 Totalizer (gal)	A-EW-4 Flow Rate (gpm)	A-EW-4 Flow Panel PI (psi)	A-EW-4 SP (ft)	A-EW-4 PV (ft)	A-EW-4 VFD (Hz)	A-EW-4 Well Head PI (psi)	A-EW-4 DTW (ft)	A-EW-5 Totalizer (gal)	A-EW-5 Flow Rate (gpm)	A-EW-5 Flow Panel PI (psi)	A-EW-5 SP (ft)	A-EW-5 PV (ft)	A-EW-5 VFD (Hz)	A-EW-5 Well Head PI (psi)	A-EW-5 DTW (ft)
13,390,205	0.47	0	1.2	1.2	20.8	2	22.47	6,593,373	0.46	0	1.5	1.5	11.6	5	22.46	5,060,459	0.45	2	1.5	1.5	34.9	2	22.04
13,405,387	0.6	0	1.2	1.2	21.4	2	22.48	6,600,122	0.45	0	1.5	1.5	19.5	3	22.57	5,073,013	0.43	2	1.5	1.6	32.7	4	22.08
13,434,536	0.7	0	1.2	1.2	21.9	5	22.43	6,610,053	0.45	0	1.5	1.5	16.5	3	22.49	5,094,127	0.67	3	1.5	1.5	41.1	5	21.13
13,463,989	0.66	0	1.2	1.2	21.7	6	22.38	6,621,206	0.43	0	1.5	1.5	11.9	6	22.48	5,116,826	0.58	3	1.5	1.5	42	5	20.92

## ATTACHMENT F – NYSDEC E-mail to Waterkeepers - July 6, 2020



**Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update****Melnyk, Eugene W (DEC)** <eugene.melnyk@dec.ny.gov>

Mon 07/06/2020 4:01 PM

**To:** Renata Kraft <rkraft@bnwaterkeeper.org>; Kirsten Colligan <kcolligan@oscinc.com>; Katherine Winkler <kwinkler@bnwaterkeeper.org>**Cc:** Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>; Caprio, Andrea (DEC) <Andrea.Caprio@dec.ny.gov>; John Yensan <jyensan@oscinc.com>**Renata:**

Thanks for meeting with us (OSC and DEC) at the Buffalo Color Area D site. The now that all the plants had fully emerged from their winter dormancy, the habitat planting areas looked much fuller, though there a few shrubs that we came upon did not survive. We observed some erosion of the coir log shelves that were constructed as part of the habitat planting enhancements. On the western side of the peninsula riverbank, some of the planting areas planting were partially covered with heavy wood debris. The growth conditions looked much better as compared to what we saw in a couple months ago, but as you saw, there was a tremendous amount of debris that had settled in over the planting areas. Given the size of the woody debris, these will not likely float away on their own, nor will OSC make any attempts to remove this debris as it has been a never ending cycle of accumulation.

If there is an opportunity to supplement some of the plantings in the future, please keep us posted.

Sincerely  
Gene

Eugene Melnyk, PE  
Remediation Engineer

NYSDEC Region 9  
Division of Environmental Remediation  
270 Michigan Avenue  
Buffalo, New York 14203-2915  
office: 716-851-7220  
email: eugene.melnyk@dec.ny.gov

---

**From:** Renata Kraft <rkraft@bnwaterkeeper.org>**Sent:** Monday, July 6, 2020 11:06 AM**To:** Melnyk, Eugene W (DEC) <eugene.melnyk@dec.ny.gov>; Kirsten Colligan <kcolligan@oscinc.com>; Katherine Winkler <kwinkler@bnwaterkeeper.org>**Cc:** Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>; Caprio, Andrea (DEC) <Andrea.Caprio@dec.ny.gov>; John Yensan <jyensan@oscinc.com>**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

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As promised, please find the record drawings and maintenance plan. It was a nice day out there today. I was happy to see so much good habitat. Let us know if we can help in any other way and it was great to meet everyone in person.

Stay cool and enjoy our brief summer!  
Renata





**Renata Kraft, RLA, ASLA**

*Deputy Executive Director*

721 Main Street, Buffalo, NY 14203

(716) 852-7483 Ext. 37

**(716) 289-2214 (mobile)**

**[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)**

**[www.bnwaterkeeper.org](http://www.bnwaterkeeper.org)**

\*\*\*Following local, state and federal guidelines, the Buffalo Niagara Waterkeeper office is closed, and will remain closed until further notice. However, our work protecting our local waters continues. All staff are working remotely and can be reached via email or cell phone.

---

**From:** Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>

**Sent:** Thursday, July 2, 2020 2:16 PM

**To:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>

**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>

**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

Kirsten:

I plan on attending. If only Renata Kraft from Waterkeeper can attend, lets proceed as planned.  
Gene

Eugene Melnyk, PE  
Remediation Engineer

NYSDEC Region 9  
Division of Environmental Remediation  
270 Michigan Avenue  
Buffalo, New York 14203-2915  
office: 716-851-7220  
email: [eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)

---

**From:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>

**Sent:** Thursday, July 2, 2020 1:34 PM

**To:** Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>

**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>

**Subject:** RE: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

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Good afternoon all,

I have not heard back from the most recent correspondence, so wanted to check in to try to get this scheduled. Unfortunately, I am only be in town briefly for the holiday so I would like to meet those available for Area D inspection around 09:00 at the Area A treatment building on Monday July 6<sup>th</sup>. Please let me know if this works with your schedules.

Thank you for your time.

**Kirsten Colligan**

Project Manager

C [716.574.6936](tel:716.574.6936)



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---

**From:** Kirsten Colligan

**Sent:** Thursday, June 25, 2020 11:22 AM

**To:** 'Katherine Winkler' <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>

**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>

**Subject:** RE: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

Is there a day/time that works better for you, or should we proceed with the 6<sup>th</sup> for those available?

**Kirsten Colligan**

Project Manager

C [716.574.6936](tel:716.574.6936)



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---

**From:** Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>

**Sent:** Monday, June 22, 2020 9:34 AM

**To:** Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>; Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>

**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>

**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

Unfortunately, I am not available on the morning of the 6th.

***Due to the current State of Emergency and following local, state and federal guidelines, the Buffalo Niagara Waterkeeper offices will remain closed until further notice. However, our work protecting our local waters continues! All staff are working remotely, and can be reached via voice mail or email. We apologize for any delay in responding to inquiries, and appreciate your patience.***



**Katherine Winkler**  
*Program Manager*

721 Main Street, Buffalo, NY 14203  
(716) 852-7483 Ext. 15

---

**From:** Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>  
**Sent:** Wednesday, June 17, 2020 4:35 PM  
**To:** Melnyk, Eugene W (DEC) <[eugene.melnik@dec.ny.gov](mailto:eugene.melnik@dec.ny.gov)>; Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>  
**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

That works for me.



**Renata Kraft, RLA, ASLA**  
*Deputy Executive Director*  
721 Main Street, Buffalo, NY 14203  
(716) 852-7483 Ext. 37  
**(716) 289-2214 (mobile)**  
[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)  
[www.bnwaterkeeper.org](http://www.bnwaterkeeper.org)

\*\*\*Following local, state and federal guidelines, the Buffalo Niagara Waterkeeper office is closed, and will remain closed until further notice. However, our work protecting our local waters continues. All staff are working remotely and can be reached via email or cell phone.

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**From:** Melnyk, Eugene W (DEC) <[eugene.melnik@dec.ny.gov](mailto:eugene.melnik@dec.ny.gov)>  
**Sent:** Wednesday, June 17, 2020 4:19 PM  
**To:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Renata Kraft <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>  
**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

OK with me at this time. we'll see Waterkeeper's availability.

Eugene Melnyk, PE  
Remediation Engineer

NYSDEC Region 9  
Division of Environmental Remediation  
270 Michigan Avenue  
Buffalo, New York 14203-2915  
office: 716-851-7220  
email: [eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)

---

**From:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Sent:** Wednesday, June 17, 2020 4:16 PM  
**To:** Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>  
**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Renata Kraft, Waterkeeper <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>  
**Subject:** RE: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

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Good afternoon Gene,

Would the morning of July 6<sup>th</sup> work for everybody?

Thanks,

**Kirsten Colligan**

Project Manager

C [716.574.6936](tel:716.574.6936)



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---

**From:** Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>  
**Sent:** Wednesday, June 17, 2020 7:37 AM  
**To:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Cc:** Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Renata Kraft, Waterkeeper <[rkraft@bnwaterkeeper.org](mailto:rkraft@bnwaterkeeper.org)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>; John Yensan <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>  
**Subject:** Fw: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

Kirsten:

I had a conversation with Waterkeeper yesterday, and they would like to arrange a site walk with OSC to inspect the riverbank habitat improvement plantings. Please provide some dates and times when you would be available to meet at the site.

Sincerely  
Gene

Eugene Melnyk, PE  
Remediation Engineer

NYSDEC Region 9  
Division of Environmental Remediation  
270 Michigan Avenue

Buffalo, New York 14203-2915  
office: 716-851-7220  
email: [eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)

---

**From:** Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>  
**Sent:** Thursday, May 28, 2020 10:52 AM  
**To:** Brian Murphy <[bmurphy@anchoragea.com](mailto:bmurphy@anchoragea.com)>; Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>  
**Cc:** John Yensan (<[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>) <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>; <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)> <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>; Kuczka, Megan E (DEC) <[Megan.Kuczka@dec.ny.gov](mailto:Megan.Kuczka@dec.ny.gov)>; Caprio, Andrea (DEC) <[Andrea.Caprio@dec.ny.gov](mailto:Andrea.Caprio@dec.ny.gov)>  
**Subject:** Re: Buffalo Color Area D Peninsula Habitat Plantings - Conditions Update

Katherine, Brian:

Last week, while at the Buffalo Color Area A area, OSC expressed concern about the long term survival of the habitat plantings completed a few years back by Waterkeeper. I had an opportunity to walk the embankment to observe some of the planting areas. Some of the coir log planting areas appear to have failed and the western down river embankment area is extensively covered with large tree debris, especially in the planting zones. The viability of the plantings in that area is questionable. OSC requested a site inspection to observe and document planting survival and what measures will be taken to restore some of the planting areas given that some of these areas contained thriving, but less desirable tree species.

Please let us know when you are available for a site inspection. The site inspection would be preferable at a time when most plantings have recovered from the winter dormancy.

Sincerely  
Gene

Eugene Melnyk, PE  
Remediation Engineer

NYSDEC Region 9  
Division of Environmental Remediation  
270 Michigan Avenue  
Buffalo, New York 14203-2915  
office: 716-851-7220  
email: [eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)

---

**From:** Brian Murphy <[bmurphy@anchoragea.com](mailto:bmurphy@anchoragea.com)>  
**Sent:** Wednesday, May 30, 2018 2:12 PM  
**To:** <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)> <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>; Melnyk, Eugene W (DEC) <[eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov)>  
**Cc:** Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>; John Yensan (<[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>) <[jyensan@oscinc.com](mailto:jyensan@oscinc.com)>  
**Subject:** RE: Buffalo Color Peninsula

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Good afternoon Kirsten and rest of the team!

Thank you for the update email complete with photos! I am working with Waterkeeper as the construction manager for the Buffalo Color project. Can we all meet on site next week for a project update and discuss the current plan?

Waterkeepers contractor AES still has to complete survival inspections of 2017 planted material with warranty work to be completed. In addition there are numerous ordered plants that still need to be planted since we ran out of plant stock in a narrow window last season.

I have noted surprising success of the 12" coir fiber block system that were installed last season with the extreme conditions and major ice jams that persist in this area of the river!

In addition Waterkeeper has been pleased with the ongoing success and watershed wide support of the treatment to manage pre-existing invasive species such as Japanese Knot Weed, Tree of Heaven and European Black Alders.

Please let me know what day time works for the team to meet at the site and discuss! Next Monday or Tuesday (6/4 and 6/5) work best for us.

Thanks and stay cool!

**Brian Murphy**

**ANCHOR QEA, LLC**

C 716.510.4618

**ANCHOR QEA, LLC**

[www.anchorqea.com](http://www.anchorqea.com)

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---

**From:** Katherine Winkler [<mailto:kwinkler@bnwaterkeeper.org>]

**Sent:** Tuesday, May 29, 2018 5:36 PM

**To:** Brian Murphy <[bmurphy@anchorqea.com](mailto:bmurphy@anchorqea.com)>

**Subject:** Fwd: Buffalo Color Peninsula

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---

**From:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>

**Sent:** Tuesday, May 29, 2018 4:26:27 PM

**To:** Katherine Winkler

**Cc:** John Yensan; Eugene Melnyk ([eugene.melnyk@dec.ny.gov](mailto:eugene.melnyk@dec.ny.gov))

**Subject:** RE: Buffalo Color Peninsula

Hi Katherine,

In the future, site visits/inspections should be coordinated with the owner (OSC) and NYSDEC to allow for input and discussion as well as scheduling and notification of going on the property. There was significantly more plant material that was removed from the shoreline than what was anticipated, and therefore needs to be replanted (i.e. the benches and vacant areas). We have to have a stabilized shoreline in order to comply with our site management requirements as approved by NYSDEC. I understand a lot of the plantings will fill in as time goes on, but there are some areas that have absolutely no plantings at all so will not stand up to heavy rains or storms and

will erode away. There are already unplanted bench areas where you can see that the soil has been undercut and washed away from the marine matting that was installed.

Gene from NYSDEC believes, and I agree, that given the winter we had April was probably too early to assess plant survival and need of additional planting. During our walk you could see that some of the plants were definitely flourishing while others were not (or entirely missing). Please let us know when your next site walk/inspection will be as both OSC and NYSDEC would like to be involved and discuss our observations in more detail. For your reference, I have attached a few pictures from our walk to illustrate the vacant benches as well as the overall appearance.

Thank you for your attention to this matter, and I look forward to meeting you in the future.

**Kirsten Colligan**

Project Manager

716.856.3333 x340



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The OSC Group



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**From:** Katherine Winkler <[kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org)>  
**Sent:** Tuesday, May 29, 2018 2:07 PM  
**To:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Cc:** John Yensan <[jyensan@oscinc.com](mailto: jyensan@oscinc.com)>; Eugene Melnyk ([eugene.melnyk@dec.ny.gov](mailto: eugene.melnyk@dec.ny.gov))  
<[eugene.melnyk@dec.ny.gov](mailto: eugene.melnyk@dec.ny.gov)>  
**Subject:** Re: Buffalo Color Peninsula

Good Afternoon Kirsten,

Thank you for reaching out to me - as of January, Leah is no longer with Waterkeeper and I have taken over managing this project. I appoligize that I did not make you aware of that earlier in the year.

Myself, our Construction Administrator, the contract, and the sub-contractor did our site walk on April 23rd. While some of the plants were not yet budding, they all appeared to be in relatively good health after the harsh winter. The plants that were planted on the benches did not survive the storm surge that occurred in March and it was decided to not attempt to replant them as a similar outcome will occur.

Our contractor will be out at the site within the next couple weeks to plant the remainder of the herbaceous vines and plugs. In addition, they will be making (nearly) monthly visits out to the site to deal with the invasive plant species.

Upon arriving at the site last fall, it was noted that the quantity of Tree of Heaven present was significantly higher than was noted in the existing conditions report. Waterkeeper amended our contract with AES to include taking down and removing the additional trees. Please note that only invasive plant material was removed from the site.

Please let me know if you would like to join me on a walk of the site to discuss anything further. Or feel free to give me a call.





**Katherine Winkler**  
**Director of Planning, Design, and Implementation**  
721 Main Street, Buffalo, NY 14203  
(716) 852-7483 Ext. 15  
[www.bnwaterkeeper.org](http://www.bnwaterkeeper.org)

*Please note that all email addresses at our organization will now end with @bnwaterkeeper.org. My new email address is [kwinkler@bnwaterkeeper.org](mailto:kwinkler@bnwaterkeeper.org). To avoid disruption, please update your address book. Thank you.*

---

**From:** Kirsten Colligan <[kcolligan@oscinc.com](mailto:kcolligan@oscinc.com)>  
**Sent:** Tuesday, May 29, 2018 12:40:41 PM  
**To:** Katherine Winkler  
**Cc:** John Yensan; Eugene Melnyk ([eugene.melnik@dec.ny.gov](mailto:eugene.melnik@dec.ny.gov))  
**Subject:** Buffalo Color Peninsula

Good afternoon Kathrine,

I just received a return response when I tried to email Leah regarding work that was completed at the Buffalo Color Peninsula. I'm not sure if you are whom I should address, but could you please point me in the right direction on who handles this now that she is no longer with Waterkeepers?

Here's what I had sent to Leah:

I did a site walk with Eugene from NYSDEC last Thursday and was wondering when you guys were going to be doing your spring inspection. From our walk it looked like there were some areas that hadn't yet been planted or the plants haven't come in yet. Specifically in some of the benches that were installed. Additionally, it looks like a lot more trees were taken down than what was marked or indicated on the drawings we were given. Please let me know when it might be possible to meet and discuss. I can be reached on my cell phone at 716-574-6936.

Hope you had a good holiday.

**Kirsten Colligan**

Project Manager  
O 716.856.3333 x340  
C 716.574.6936  
[www.oscinc.com](http://www.oscinc.com)



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