October 31, 2017

Mr. David Szymanski
New York State Department of Environmental Conservation
270 Michigan Ave
Buffalo, NY 14203-2915

Subject: 2016 Periodic Review Report
Former Buffalo Color Corporation – Area D Site No. 915012
OSC Job No. 16011

Dear Mr. Szymanski:

On behalf of South Buffalo Development Corporation, LLC (SBD), Ontario Specialty Contracting, Inc. (OSC) is submitting this Periodic Review Report (PRR) for the Buffalo Color Area D Site (referred to hereafter as the "Site"). This PRR acts to chronicle and assess all post remedial activities conducted during the 2016 year (referred to hereafter as the "reporting period").

The completed Site Management Periodic Review Report (PRR) Notice - Institutional and Engineering controls Certification Form is provided herein as **Attachment A**. The following paragraphs provide the information specified in the original 45-day PRR notice letter issued by New York State Department of Environmental Conservation's (NYSDEC's) Albany, NY office.

I. Executive Summary

A. 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 part of five areas that comprised the former Buffalo Color Corporation, which produced dyes and organic chemicals until its bankruptcy in 2005. The Site was remediated in accordance with a June 28, 1993 order on consent; index B9-0014-84-01RD, between the 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;
- 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; and

- 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 second week of September;
- Quarterly groundwater extraction system performance monitoring; and
- Quarterly observation well monitoring.
- Bathymetric survey

B. 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 will need to be assessed during the summer months of the following reporting period.

C. Compliance: No areas of non-compliance have been identified.

D. Recommendations: No changes to the SMP are currently warranted or recommended. Routine OMM activities will continue during the subsequent reporting period.

II. Site Overview

A. 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**). 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 1998. 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.

B. 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.

The primary remedial objectives at the Areas A&B 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 Order on Consent. The following actions were approved by NYSDEC and implemented between 2014 and 2015.

- An initial bathometric 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.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

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

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**.

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 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.
- A baseline bathometric survey for the SDA monitoring program was completed on April 29, 2015 and is provided in **Attachment H**.

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 **Attachment D.** Groundwater monitoring data will continue to be obtained and evaluated in the subsequent reporting period.

IV. IC/EC Plan Compliance Report

A. 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;
- 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 to support vegetation (seeded with native grasses);
- Riverbank slope stability fortifications consisting of riprap toe buttress and geotextile overlain by clean soil cover and riparian vegetation 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 drain pipe 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;
- Bathometric survey measurements collected for the SDA, to ensure its internment 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.

B. IC/EC Certification: The IC/EC certifications are provided in **Attachment A**.

V. Monitoring Plan Compliance Report

A. 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 bathometric survey monitoring conducted every five years.

B. 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 2016 MONITORING EVENT COMPLIANCE SUMMARY		QUARTER			
Monitoring Type	Frequency	1st	2nd	3rd	4th
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

Complete (X), Partial (P), Omitted (-)

AREA D SDA BATHYMETRIC SURVEY MONITORING COMPLIANCE SUMMARY	YEAR
Baseline Survey	2015

C. 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 and Mactec conducted a level 2 data validation of the corresponding data. Tabulated groundwater analytical data is provided in **Attachment D**.

D. Monitoring Deficiencies: No monitoring deficiencies were noted.

E. Conclusions and Recommendations for Changes: No changes are recommended at this time and routine monitoring will continue during the following reporting period.

VI. Operations and Maintenance Plan Compliance Report

A. 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 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**.

B. 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.

C. Evaluation of Remedial Systems: The Area D remedial system is effectively achieving the objectives of the remedial action.

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

E. Conclusions and Recommendations: No changes are recommended at this time.

VII. Overall PRR Conclusions and Recommendations

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

B. 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

C. Future PRR Submittals: It is currently expected that the next PRR will be submitted on or about November 2018.

D. In early 2017, Buffalo Riverkeepers proposed the removal of invasive species along the shoreline of Area D. The work will occur within 25 feet of the water line and will involve the construction of vegetative benches and coir fiber blocks along the shore. Additional soil will be brought in to be placed within riprap areas. Native plant species will be planted along the shore within the work area. The RCRA cap will not be damaged or removed during the project.

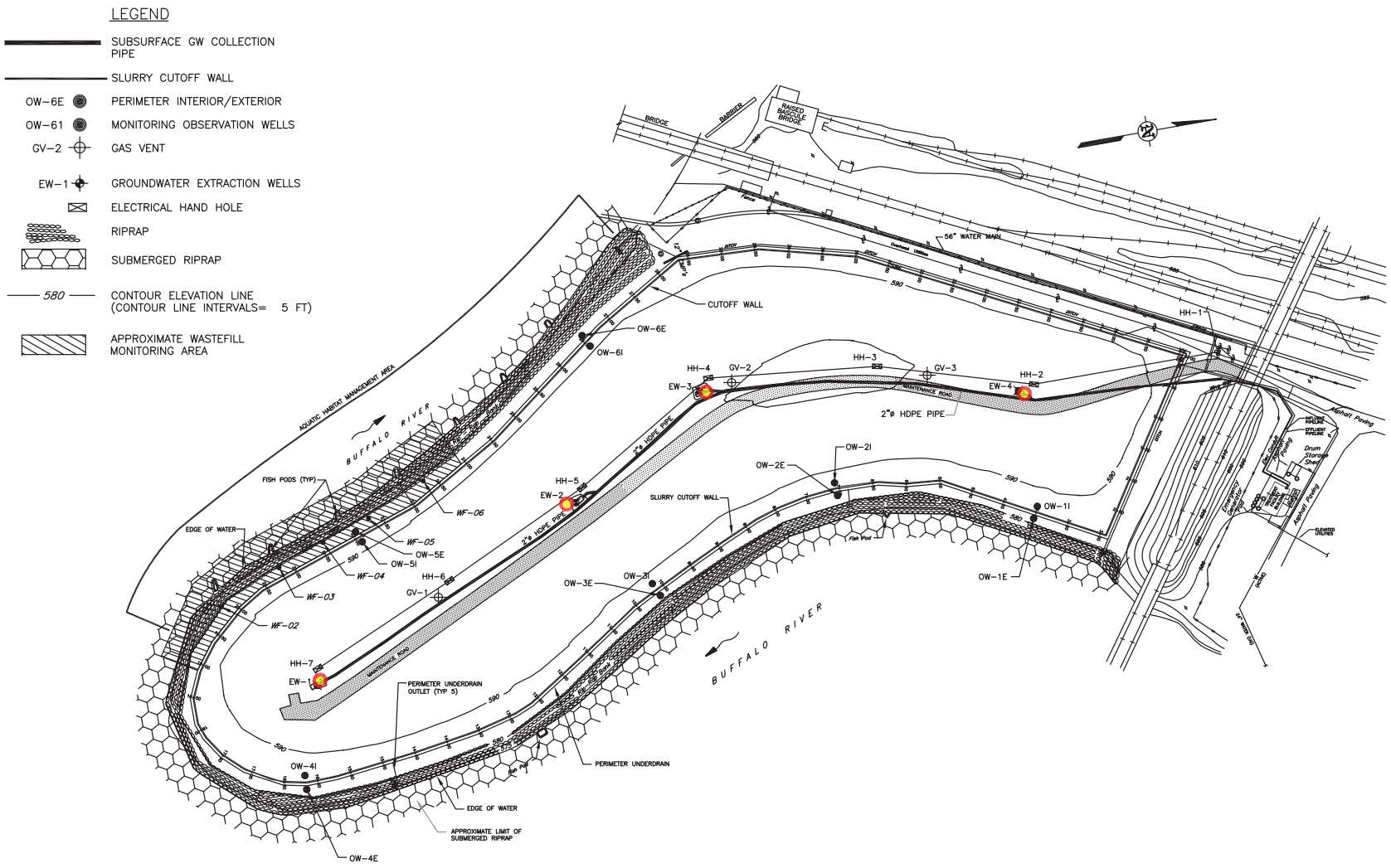
Please review the attached information and feel free to contact me if you have any questions.

Sincerely,

Kirsten Colligan
Project & Environmental Monitor - *Ontario Specialty Contracting, Inc.*

cc:	Eugene Melnyk	NYSDEC Region 9
	Richard Galloway	Honeywell International Inc.
	Daniel Forlastro	Mactec Engineering and Consulting, P.C.
	John Yensan	South Buffalo Development, LLC
	Jon Williams	South Buffalo Development, LLC

FIGURES



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	DRAWING NUMBER:	B(01).dwg	
	DATE:	7/12/06	
	DRAWN BY:	ESW	
FILE: P:\PROJECTS\Honeywell\BuffaloNY\BuffaloColorAreaD\B(01).dwg	APPROVED BY:		

MACTEC
Engineering & Consulting Inc.
700 North Bell Avenue Suite 200
Pittsburgh, PA 15106

SITE MAP
HONEYWELL
BUFFALO COLOR AREA "D"
BUFFALO, NEW YORK

FIGURE
1

ATTACHMENT A

PRR NOTICE
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: 19.0

Reporting Period: October 05, 2016 to October 05, 2017

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915012 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
122.160-1-10	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 us 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.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
122.160-1-10	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 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. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or 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.

I Jon M. Williams at 333 Ganson Street, Buffalo, NY 14203,
print name print business address

am certifying as OWNER (Owner or Remedial Party)

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

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

11/3/17
Date

IC/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.

I JOHN P. BLACK at 181 CARLISLE DR. HERNDON, VA
print name print business address

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)

STATE OF NEW YORK JOHN P. BLACK LICENSED PROFESSIONAL ENGINEER No. 062818-1

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

Seal (Required for PE)

11/1/2017
Date

ATTACHMENT B

SITE INSPECTIONS

Area D Cover System; Riverbank; & Site-Wide Compliance Inspection		**Area D Additional Notes**	Knotweed fabric still in place, to be addressed			
	Site-Wide Compliance (OK / Comment)	**Area D Institutional Site Use Restrictions**	OK	OK	OK	OK
		Area D O&M Schedule	OK	OK	OK	OK
		Area D Active Site Permits	BSA- ok	None	None	None
		Area D Site Records	OK	OK	OK	OK
		Area D Groundwater Monitoring Program	OK	OK	OK	OK
		Area D Vertical Hydraulic Barrier Monitoring Program	OK	OK	OK	OK
	Riverbank (OK / Comment)	**Sediment Deposit Area (SDA) Bathometric Survey (Performed Every 5 Years)**	Baseline bathometric survey complete summer 2015	Ok	Ok	Ok
		Area D Shoreline Erosion Protection (Vegetation / Riprap)	OK	OK	OK	OK
		Area D Shoreline Soil Slope Integrity	OK	OK	OK	OK
	Cover System (OK / Comment)	**Area D Storm Drainage System & Structures**	OK	OK	OK	OK
		Area D Occupied Basement Slabs	None	None	None	None
		Area D Outdoor Paved Areas	None	None	None	None
		Area D Gravel Cover Integrity	OK	OK	OK	OK
		Area D Grass / Vegetation	Ok	Knotweed barrier fabric still in place at SW corner	Knotweed barrier fabric still in place, will evaluate	Knotweed barrier fabric still in place, will evaluate
		Area D Soil Cover Integrity	OK	OK	OK	OK
Pre-Inspection Data	Site Conditions	**Standing Snow & Ice (LOW: 1" or less / MID: 1" to 12" / HI: 12" or more)**	None	None	None	Low
		Ground Surface (Dry / Damp / Wet)	Wet	Dry	Dry	Damp
	Weather	**Temperature Range (+/- 10 Deg F Range)**	52	78	72	52
		Wind (Calm / Moderate / Strong)	Calm	Calm	Calm	Calm
		Lightning (Yes / No)	No	No	No	No
		Precipitation (None / Rain / Snow / Hail)	None	None	None	None
		Cloud Cover (Clear / Pt. Cloudy / Overcast)	Pt. Cloudy	No	Clear	Cloudy
		NYSDEC Invitation Extended (Yes / No / List Attendees)	No	Yes	No	Yes
		Associate(s)	Tom Wagner(TW)	Tom Wagner	Tom Wagner	Tom Wagner
		Date	Wed 3/30/2016	Tue 6/21/2016	Mon 9/26/2016	Tue 11/29/2016

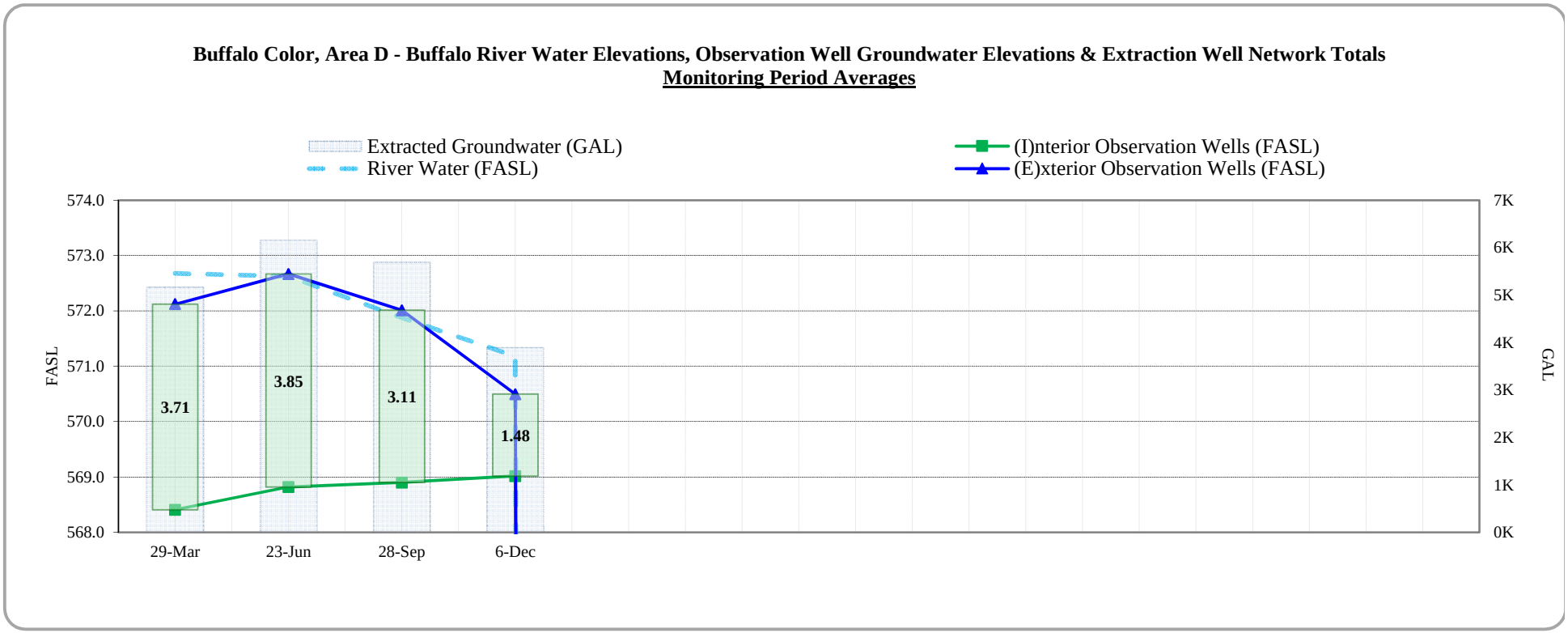
ATTACHMENT C

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)

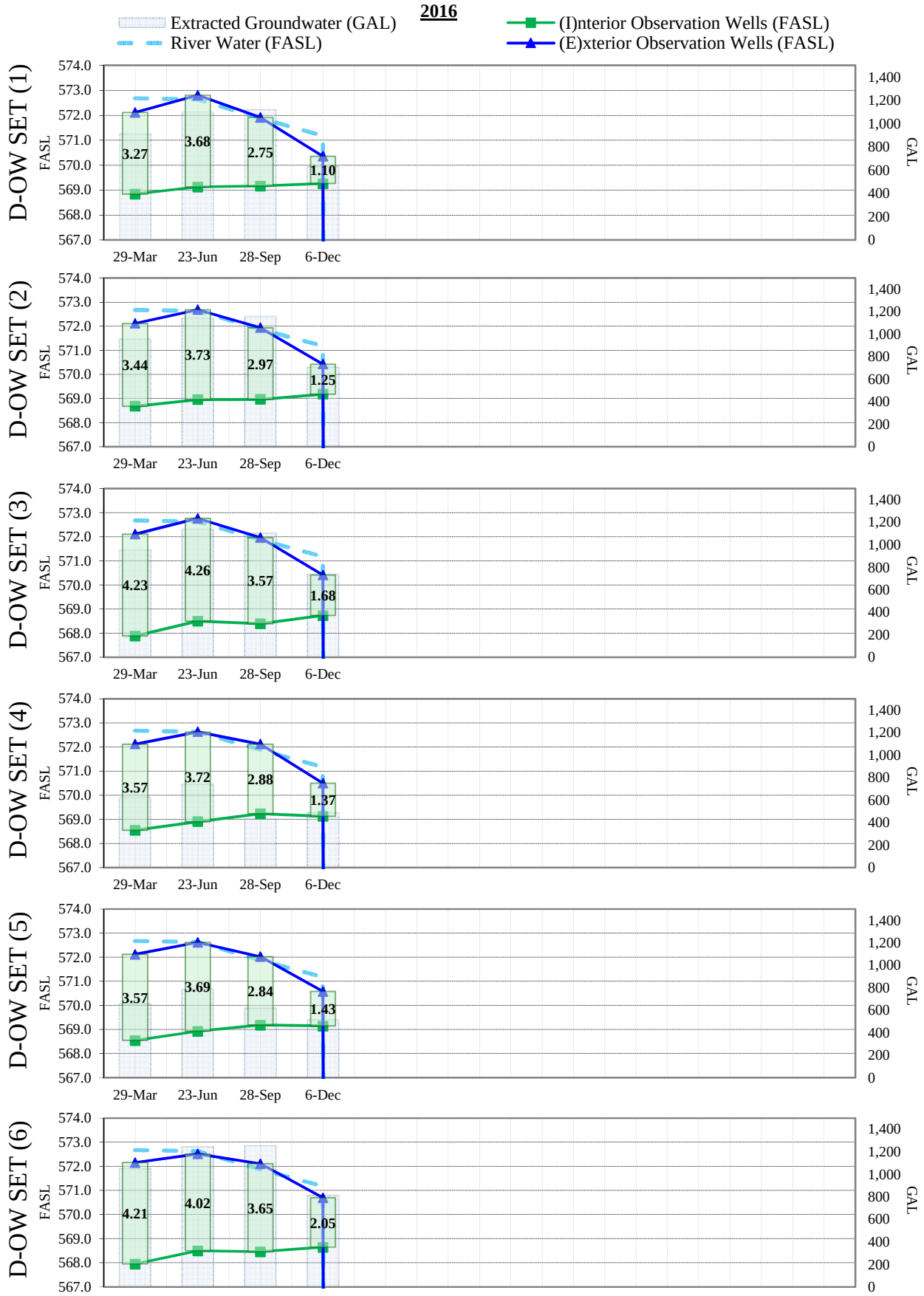
Abbreviations: River Stadia Rod (RSR), Observation Well (OW), Elevation Differential (ED), Extraction Well (EW)

2016	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**
29-Mar	572.68	568.85	572.11	3.27	568.68	572.12	3.44	567.89	572.12	4.23	568.54	572.12	3.57	568.55	572.12	3.57	567.95	572.16	4.21	568.41	572.12	3.71	720	1,180	1,788	1,473	5,161
23-Jun	572.63	569.13	572.80	3.68	568.96	572.69	3.73	568.51	572.77	4.26	568.90	572.63	3.72	568.93	572.62	3.69	568.50	572.52	4.02	568.82	572.67	3.85	860	1,420	2,091	1,786	6,157
28-Sep	571.88	569.17	571.91	2.75	568.97	571.94	2.97	568.40	571.97	3.57	569.23	572.12	2.88	569.19	572.03	2.84	568.46	572.11	3.65	568.90	572.01	3.11	90	1,430	2,296	1,871	5,687
6-Dec	571.18	569.27	570.36	1.10	569.18	570.43	1.25	568.74	570.42	1.68	569.12	570.50	1.37	569.15	570.58	1.43	568.65	570.70	2.05	569.02	570.50	1.48	590	960	1,407	930	3,887
Avg | Sum	***572.09***	***569.10***	***571.80***	***2.70***	***568.95***	***571.79***	***2.84***	***568.38***	***571.82***	***3.43***	***568.95***	***571.84***	***2.89***	***568.96***	***571.83***	***2.88***	***568.39***	***571.87***	***3.48***	***568.79***	***571.82***	***3.04***	**2,260**	**4,990**	**7,582**	**6,060**	**20,892**



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

2016



ATTACHMENT D

GROUNDWATER DATA TABLES AND FIGURES

Groundwater Exceedances Summary
Buffalo Color Corporation Area D
Buffalo, New York

		Benzene	Cholorbenzene	1,2-Dichlorobenzene	1,3-Dicholorbenzene	1,4-Dicholorbenzene	Aniline	Phenol
Class GA Standard**		1	5	3	3	3	5	1
Area D Influent Composite	12/22/2011	1400	2500	4.3J	<96	9.8J	5.4J	<48
	12/26/2012	580	3400	6.8J	4.2J	43J	9.1J	<49
	12/13/2013	750	4400	6.9J	4.5J	42	8.9J	3.6J
	5/29/2014	810	2800	11J	5.0J	46J	7.1J	<48
	6/3/2015	150	3900	5.5J	3.2J	31	3.8J	1.1J
	6/8/2016	89	2700	8.2J	5.4J	51	56	0.041B

Notes:

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

J - Laboratory Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the Results are shown in ug/L.

B - Compound was found in blank sample

ATTACHMENT E

DISCHARGE MONITORING REPORTS

April 29, 2016

Leslie Sedita
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 #14-06-BU109
OSC Project ID: 16011

Dear Ms. Sedita:

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, 2016 through March 31, 2016. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #14-06BU109.

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
Daniel Forlastro	AMEC Environment & Infrastructure

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

B.P.D.E.S. Permit No. #14-06-BU109
Former Buffalo Color Corporation Site
South Buffalo Development Corporation LLC (SBD)
Reporting Period: January 1, 2016 through March 31, 2016

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 Effluent No. 1 and Effluent No. 2 flow totalizers, which includes 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:

January 2016	545,818 gallons
February 2016	437,031 gallons
March 2016	491,793 gallons
Total Quarterly Discharge	1,474,643 gallons

Estimated Area D contribution this period:
5,161 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.	14-06-BU109	Effective June 1, 2014	Year: 2016	Event Group: SUMP
Sample Date:	2/4/2016		Month: MAR	Lab Job ID: J94813-1
Sample Location:	Onsite Pump Station to BSA			

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	8.15	0.100	SU	8.15	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	2.40	2.0	mg/L	2.4	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.011	0.010	mg/L	0.002	lbs/day	1.67	lbs/day	Yes	20	0.011	Yes
Total Chromium	7440-47-3	0.0035	0.0040	mg/L	0.0005	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0047	0.010	mg/L	0.001	lbs/day	0.67	lbs/day	Yes	16	0.0047	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	0.0039	0.010	mg/L	0.0005	lbs/day	1.17	lbs/day	Yes	14	0.0039	Yes
Zinc	7440-66-6	0.0074	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.007	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	0.059	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	6.1	1900	ug/L	0.0008	lbs/day	50	lbs/day	Yes			
Benzene	71-43-2	ND	25	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	3.2	25	ug/L	0.0004	lbs/day	0.129	lbs/day	Yes	0.31	0.00	Yes
1,2-Dichlorobenzene	95-50-1	ND	9.4	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	4.7	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	0.47	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	3	25	ug/L	0.003	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	0.057	0.010	mg/L	0.057	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	11.38	-	gpm	16,385	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

Flow Calculations		
Combined Effluent No. 1 and No. 2 Flow Totals (gallons)		
Initial Reading	25,684,478	1/1/2016
Final Reading	27,159,121	3/31/2016
Total Days in Period	90	
Total Flow for Period	**1,474,643**	gallons
Average Flow for Period	**11.38**	gpm

BSA Discharge Permit

BUFFALO SEWER AUTHORITY

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) 883-1820

February 11, 2014

Andrew Madden
Manager
South Buffalo Development, LLC.
333 Ganson Street
Buffalo, New York 14203

Re: BPDES Permit No. 14-06-BU109

Dear Mr. Madden:

Enclosed is your BPDES Permit No. 14-06-BU109. This permit is issued by the BSA and allows your facility to discharge process wastes to the sanitary sewers.

This original permit must be maintained at your Buffalo 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 six (6) months before this permit expires.

If you have any questions, please call Dennis W. Young at 851-4664, ext. 5256.

Very truly yours,

By: Leslie Sedita

Leslie Sedita
Industrial Waste Administrator
Industrial Waste Section

cc: M. Letina

I\WPD\JK\SBDLLC1406bu109permitltr

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO. 14-06-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 4, 2014** 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, 2014

To Expire May 31, 2017

General Manager

Signed this 16th **day of** February **, 2014**

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[1]	5.0 - 12.0 SU		Probe	**Quarterly**
	Total Flow	50,000 gals		Flow Meter[2]	**Continuous**
	BOD_5	250 mg/L [3]		Composite [4]	**Quarterly**
	Total Suspended Solids	250 mg/L [3]		Composite	**Quarterly**
	Total Phosphate	15.35 mg/L[3]		Composite	**Quarterly**
	Total Phenol[5]	1.67 lbs	20.0	Composite	**Quarterly**
	Amenable Cyanide	2.59 lbs	6.2	Grab [7]	**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	[6]		Grab[7]	**Quarterly**
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	[8]		Composite	**Quarterly**
	Total PCB's	0.000 lbs	0.002	Composite	**Quarterly**
	Aniline	50.0 lbs	0.00	Composite	**Quarterly**
	Benzene	0.059 lbs	0.142 mg/L	Composite	**Quarterly**
	Chlorobenzene	0.129 lbs	0.310 mg/L	Composite	**Quarterly**
	1, 2-Dichlorbenzene	0.197 lbs.	0.472 mg/L	Composite	**Quarterly**
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Composite	**Quarterly**
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Naphthalene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Anthracene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	**Maid***	**Type**	**Frequency**
	Fluorene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Phenanthrene	0.131 lbs.	0.314 mg/L	Composite	**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	
		Initial Report	**Subsequent Reports**
001	All analytes	July 31, 2011	Every July 31, October 31, January 31, April 30**

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

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 that 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.

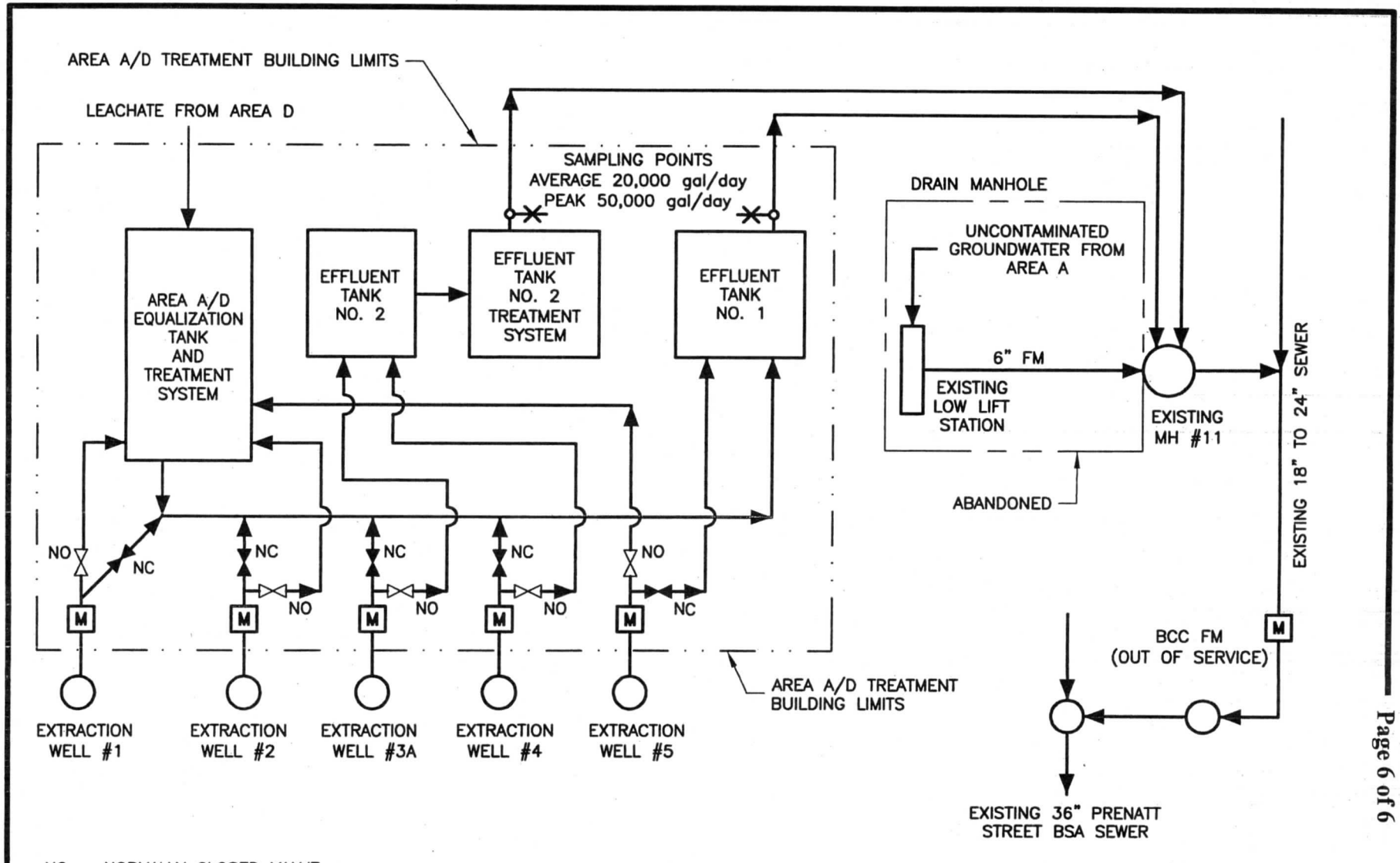
(4) Composite samples may be flow proportioned.

(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 that 0.01 mg/L.



FORMER BUFFALO COLOR CORPORATION
SITE
BUFFALO, NY

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

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 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 the possibility of fine and imprisonment for knowing violations."

B. PERMITTEE REQUIREMENTS

1. Change in Discharge [revised 08/2013]

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. A Baseline Monitoring Report shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet".

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. Spill Prevention and Control Plan [added 08/2013]

The permittee shall have a plan to prevent and control spills into the sewer system. The plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet"

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 at 883-1820 of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM – 3:00 PM call 851-4661, ext. 5374. After 3:00 PM call ext. 851-4664, ext. 600. If requested by the B.S.A., 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 [Revised 08/2013]

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 883-1820 851-4664, ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall also 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 noncomplying 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 it's 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.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and the "Sewer Regulations for Erie County Sewer Districts" provides that any person who violates a B.P.D.E.S. permit condition is liable to the Authority for a civil penalty of up to $10,000.00 per day for each violation. Any person who willfully or negligently violates permit

conditions will be referred to the New York State Attorney General.

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.

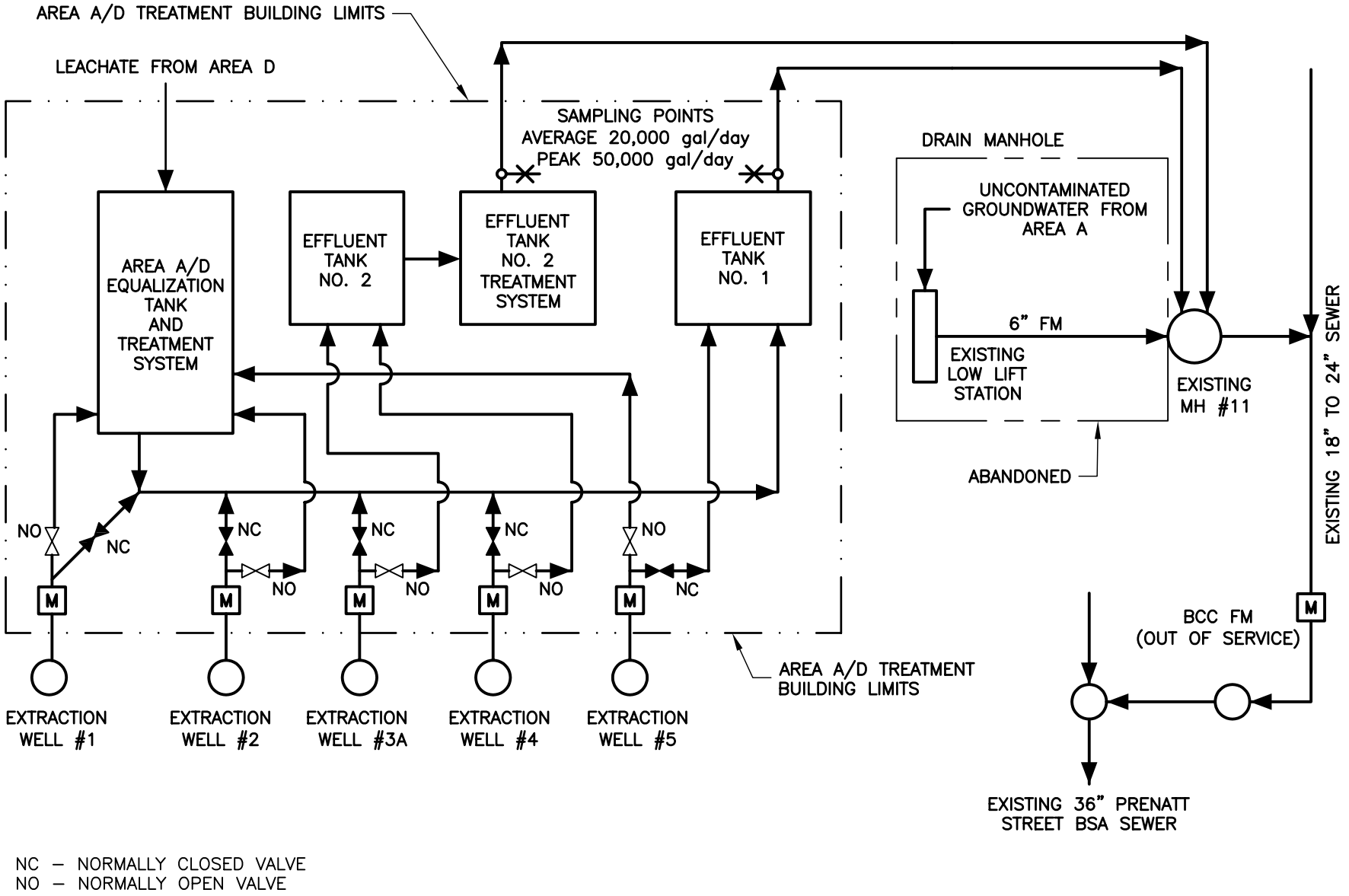
G. CONFIDENTIALITY

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



NC – NORMALLY CLOSED VALVE
NO – NORMALLY OPEN VALVE

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-94813-1
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: Andrew Madden

Authorized for release by:
2/22/2016 10:16:11 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-94813-1

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.
B	Compound was found in the blank and sample.

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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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

TestAmerica Job ID: 480-94813-1

Job ID: 480-94813-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94813-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2016 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5º C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: BCC BSA SUMP_0216 (480-94813-1) and TRIP BLANK (480-94813-2). The requested target analyte list contains 2-chloroethyl vinyl ether and/or acrolein, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following Volatile sample(s) was composited by the laboratory on 2/5/16 as requested by the client: BCC BSA SUMP_0216 (480-94813-1). 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
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(s) SM 4500 CN E, SM 4500 CN G: The results reported for the following sample do not concur with results previously reported for this site: BCC BSA SUMP_0216 (480-94813-1). Reanalysis was performed, and results higher then historical have been confirmed.

Method(s) 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 time frame: BCC BSA SUMP_0216 (480-94813-1).

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 286445.

Method(s) 625: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 286540.

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 BSA SUMP

TestAmerica Job ID: 480-94813-1

Client Sample ID: BCC BSA SUMP_0216 — Lab Sample ID: 480-94813-1

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	Total/NA
Chlorobenzene	3.2	J	5.0	0.48	ug/L	1		624	Total/NA
Aniline	6.1	J	9.7	1.5	ug/L	1		625	Total/NA
Chromium	0.0035	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0047	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0039	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0074	J B	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.011		0.010	0.0050	mg/L	1		420.1	Total/NA
Phosphorus	0.057		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	2.4	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.15	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-94813-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	3.0	J	5.0	0.48	ug/L	1		624	Total/NA
1,4-Dichlorobenzene	0.59	J	5.0	0.51	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BCC BSA SUMP_0216
Date Collected: 02/04/16 10:30
Date Received: 02/04/16 15:10

Lab Sample ID: 480-94813-1
Matrix: Water

Method: 624 - 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			02/05/16 09:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/05/16 09:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/05/16 09:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/05/16 09:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/05/16 09:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			02/05/16 09:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/05/16 09:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/05/16 09:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/05/16 09:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			02/05/16 09:51	1
1,4-Dichlorobenzene	**0.68**	**J**	5.0	0.51	ug/L			02/05/16 09:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/05/16 09:51	1
Acrolein	ND		100	17	ug/L			02/05/16 09:51	1
Acrylonitrile	ND		50	1.9	ug/L			02/05/16 09:51	1
Benzene	ND		5.0	0.60	ug/L			02/05/16 09:51	1
Bromoform	ND		5.0	0.47	ug/L			02/05/16 09:51	1
Bromomethane	ND		5.0	1.2	ug/L			02/05/16 09:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/05/16 09:51	1
Chlorobenzene	**3.2**	**J**	5.0	0.48	ug/L			02/05/16 09:51	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/05/16 09:51	1
Chloroethane	ND		5.0	0.87	ug/L			02/05/16 09:51	1
Chloroform	ND		5.0	0.54	ug/L			02/05/16 09:51	1
Chloromethane	ND		5.0	0.64	ug/L			02/05/16 09:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/05/16 09:51	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/05/16 09:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/05/16 09:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/05/16 09:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/05/16 09:51	1
Toluene	ND		5.0	0.45	ug/L			02/05/16 09:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/05/16 09:51	1
Trichloroethene	ND		5.0	0.60	ug/L			02/05/16 09:51	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/05/16 09:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/05/16 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/05/16 09:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 121*		*02/05/16 09:51*	*1*
Toluene-d8 (Surr)	*105*		*70 - 123*		*02/05/16 09:51*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*02/05/16 09:51*	*1*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.7	0.79	ug/L		02/09/16 08:16	02/17/16 04:42	1
1,2-Dichlorobenzene	ND		9.7	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
1,2-Diphenylhydrazine	ND		9.7	0.76	ug/L		02/09/16 08:16	02/17/16 04:42	1
1,3-Dichlorobenzene	ND		9.7	0.67	ug/L		02/09/16 08:16	02/17/16 04:42	1
1,4-Dichlorobenzene	ND		9.7	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,2'-oxybis[1-chloropropane]	ND		4.8	0.81	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,4,6-Trichlorophenol	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,4-Dichlorophenol	ND		4.8	0.75	ug/L		02/09/16 08:16	02/17/16 04:42	1

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

TestAmerica Job ID: 480-94813-1

Client Sample ID: BCC BSA SUMP_0216
Date Collected: 02/04/16 10:30
Date Received: 02/04/16 15:10

Lab Sample ID: 480-94813-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		4.8	1.4	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,4-Dinitrophenol	ND		9.7	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,4-Dinitrotoluene	ND		4.8	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
2,6-Dinitrotoluene	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
2-Chloronaphthalene	ND		4.8	0.88	ug/L		02/09/16 08:16	02/17/16 04:42	1
2-Chlorophenol	ND		4.8	0.64	ug/L		02/09/16 08:16	02/17/16 04:42	1
2-Nitrophenol	ND		4.8	0.68	ug/L		02/09/16 08:16	02/17/16 04:42	1
3,3'-Dichlorobenzidine	ND		4.8	0.80	ug/L		02/09/16 08:16	02/17/16 04:42	1
4,6-Dinitro-2-methylphenol	ND		9.7	0.64	ug/L		02/09/16 08:16	02/17/16 04:42	1
4-Bromophenyl phenyl ether	ND		4.8	1.4	ug/L		02/09/16 08:16	02/17/16 04:42	1
4-Chloro-3-methylphenol	ND		4.8	1.1	ug/L		02/09/16 08:16	02/17/16 04:42	1
4-Chlorophenyl phenyl ether	ND		4.8	1.3	ug/L		02/09/16 08:16	02/17/16 04:42	1
4-Nitrophenol	ND		9.7	9.7	ug/L		02/09/16 08:16	02/17/16 04:42	1
Acenaphthene	ND		4.8	0.78	ug/L		02/09/16 08:16	02/17/16 04:42	1
Acenaphthylene	ND		4.8	0.84	ug/L		02/09/16 08:16	02/17/16 04:42	1
Aniline	**6.1**	**J**	9.7	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Anthracene	ND		4.8	1.4	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzidine	ND		77	34	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzo[a]anthracene	ND		4.8	1.1	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzo[a]pyrene	ND		4.8	1.3	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzo[b]fluoranthene	ND		4.8	1.2	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzo[g,h,i]perylene	ND		4.8	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Benzo[k]fluoranthene	ND		4.8	1.3	ug/L		02/09/16 08:16	02/17/16 04:42	1
Bis(2-chloroethoxy)methane	ND		4.8	0.73	ug/L		02/09/16 08:16	02/17/16 04:42	1
Bis(2-chloroethyl)ether	ND		4.8	0.90	ug/L		02/09/16 08:16	02/17/16 04:42	1
Bis(2-ethylhexyl) phthalate	ND		9.7	1.2	ug/L		02/09/16 08:16	02/17/16 04:42	1
Butyl benzyl phthalate	ND		4.8	1.1	ug/L		02/09/16 08:16	02/17/16 04:42	1
Chrysene	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
Decane	ND		9.7	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Dibenz(a,h)anthracene	ND		4.8	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Diethyl phthalate	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
Dimethyl phthalate	ND		4.8	0.88	ug/L		02/09/16 08:16	02/17/16 04:42	1
Di-n-butyl phthalate	ND		4.8	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Di-n-octyl phthalate	ND		4.8	1.2	ug/L		02/09/16 08:16	02/17/16 04:42	1
Fluoranthene	ND		4.8	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Fluorene	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
Hexachlorobenzene	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
Hexachlorobutadiene	ND		4.8	0.97	ug/L		02/09/16 08:16	02/17/16 04:42	1
Hexachlorocyclopentadiene	ND		4.8	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
Hexachloroethane	ND		4.8	0.58	ug/L		02/09/16 08:16	02/17/16 04:42	1
Indeno[1,2,3-cd]pyrene	ND		4.8	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1
Isophorone	ND		4.8	0.72	ug/L		02/09/16 08:16	02/17/16 04:42	1
Naphthalene	ND		4.8	0.83	ug/L		02/09/16 08:16	02/17/16 04:42	1
Nitrobenzene	ND		4.8	0.78	ug/L		02/09/16 08:16	02/17/16 04:42	1
N-Nitrosodimethylamine	ND		9.7	4.8	ug/L		02/09/16 08:16	02/17/16 04:42	1
N-Nitrosodi-n-propylamine	ND		4.8	0.86	ug/L		02/09/16 08:16	02/17/16 04:42	1
N-Nitrosodiphenylamine	ND		4.8	0.38	ug/L		02/09/16 08:16	02/17/16 04:42	1
n-Octadecane	ND		9.7	1.2	ug/L		02/09/16 08:16	02/17/16 04:42	1
Pentachlorophenol	ND		9.7	1.5	ug/L		02/09/16 08:16	02/17/16 04:42	1

Client Sample ID: BCC BSA SUMP_0216
Date Collected: 02/04/16 10:30
Date Received: 02/04/16 15:10

Lab Sample ID: 480-94813-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		4.8	1.2	ug/L		02/09/16 08:16	02/17/16 04:42	1
Phenol	ND		4.8	0.34	ug/L		02/09/16 08:16	02/17/16 04:42	1
Pyrene	ND		4.8	1.4	ug/L		02/09/16 08:16	02/17/16 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*52 - 151*	*02/09/16 08:16*	*02/17/16 04:42*	*1*
2-Fluorobiphenyl	*81*		*44 - 120*	*02/09/16 08:16*	*02/17/16 04:42*	*1*
2-Fluorophenol	*42*		*17 - 120*	*02/09/16 08:16*	*02/17/16 04:42*	*1*
Nitrobenzene-d5	*76*		*42 - 120*	*02/09/16 08:16*	*02/17/16 04:42*	*1*
Phenol-d5	*29*		*10 - 120*	*02/09/16 08:16*	*02/17/16 04:42*	*1*
p-Terphenyl-d14	*71*		*22 - 125*	*02/09/16 08:16*	*02/17/16 04:42*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.058	0.037	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1221	ND		0.058	0.037	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1232	ND		0.058	0.037	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1242	ND		0.058	0.037	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1248	ND		0.058	0.037	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1254	ND		0.058	0.030	ug/L		02/05/16 11:27	02/13/16 14:07	1
PCB-1260	ND		0.058	0.030	ug/L		02/05/16 11:27	02/13/16 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*26 - 135*	*02/05/16 11:27*	*02/13/16 14:07*	*1*
Tetrachloro-m-xylene	*74*		*27 - 159*	*02/05/16 11:27*	*02/13/16 14:07*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0035**	**J**	0.0040	0.0010	mg/L		02/08/16 08:05	02/08/16 14:07	1
Copper	**0.0047**	**J**	0.010	0.0016	mg/L		02/08/16 08:05	02/08/16 14:07	1
Lead	ND		0.010	0.0030	mg/L		02/08/16 08:05	02/08/16 14:07	1
Nickel	**0.0039**	**J**	0.010	0.0013	mg/L		02/08/16 08:05	02/08/16 14:07	1
Zinc	**0.0074**	**J B**	0.010	0.0015	mg/L		02/08/16 08:05	02/08/16 14:07	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		02/09/16 10:25	02/09/16 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	**0.011**		0.010	0.0050	mg/L		02/09/16 16:11	02/19/16 14:26	1
Cyanide, Amenable	ND		0.010	0.0050	mg/L			02/17/16 11:52	1
Phosphorus	**0.057**		0.010	0.0050	mg/L as P			02/11/16 10:46	1
Biochemical Oxygen Demand	**2.4**	**b**	2.0	2.0	mg/L			02/05/16 10:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/11/16 05:41	1
pH	**8.15**	**HF**	0.100	0.100	SU			02/05/16 16:31	1

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

TestAmerica Job ID: 480-94813-1

Client Sample ID: TRIP BLANK
Date Collected: 02/04/16 00:00
Date Received: 02/04/16 15:10

Lab Sample ID: 480-94813-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			02/05/16 10:19	1
Acrylonitrile	ND		100	1.9	ug/L			02/05/16 10:19	1
Benzene	ND		5.0	0.60	ug/L			02/05/16 10:19	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/05/16 10:19	1
Bromoform	ND		5.0	0.47	ug/L			02/05/16 10:19	1
Bromomethane	ND		5.0	1.2	ug/L			02/05/16 10:19	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/05/16 10:19	1
Chlorobenzene	**3.0**	**J**	5.0	0.48	ug/L			02/05/16 10:19	1
Chloroethane	ND		5.0	0.87	ug/L			02/05/16 10:19	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/05/16 10:19	1
Chloroform	ND		5.0	0.54	ug/L			02/05/16 10:19	1
Chloromethane	ND		5.0	0.64	ug/L			02/05/16 10:19	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/05/16 10:19	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/05/16 10:19	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/05/16 10:19	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/05/16 10:19	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/05/16 10:19	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/05/16 10:19	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/05/16 10:19	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/05/16 10:19	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/05/16 10:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/05/16 10:19	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/05/16 10:19	1
Toluene	ND		5.0	0.45	ug/L			02/05/16 10:19	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			02/05/16 10:19	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/05/16 10:19	1
Trichloroethene	ND		5.0	0.60	ug/L			02/05/16 10:19	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/05/16 10:19	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			02/05/16 10:19	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/05/16 10:19	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			02/05/16 10:19	1
1,4-Dichlorobenzene	**0.59**	**J**	5.0	0.51	ug/L			02/05/16 10:19	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/05/16 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/05/16 10:19*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 121*		*02/05/16 10:19*	*1*
Toluene-d8 (Surr)	*104*		*70 - 123*		*02/05/16 10:19*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*02/05/16 10:19*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-94813-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)	(70-130)
480-94813-1	BCC BSA SUMP_0216	105	96	105	95
480-94813-2	TRIP BLANK	105	96	104	96
LCS 480-286363/6	Lab Control Sample	103	96	107	97
MB 480-286363/8	Method Blank	107	97	105	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 625 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(42-120)	(10-120)	(22-125)
480-94813-1	BCC BSA SUMP_0216	95	81	42	76	29	71
LCS 480-286540/2-A	Lab Control Sample	97	80	46	76	32	87
LCSD 480-286540/3-A	Lab Control Sample Dup	95	78	46	74	34	86
MB 480-286540/1-A	Method Blank	72	81	40	75	30	92

Surrogate Legend

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

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(26-135)	(27-159)
480-94813-1	BCC BSA SUMP_0216	70	74
LCS 480-286445/2-A	Lab Control Sample	81	85
LCSD 480-286445/3-A	Lab Control Sample Dup	91	93
MB 480-286445/1-A	Method Blank	83	99

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-286363/8
Matrix: Water
Analysis Batch: 286363

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			02/04/16 22:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/04/16 22:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/04/16 22:32	1
Acrolein	ND		100	17	ug/L			02/04/16 22:32	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			02/04/16 22:32	1
Acrylonitrile	ND		50	1.9	ug/L			02/04/16 22:32	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			02/04/16 22:32	1
Benzene	ND		5.0	0.60	ug/L			02/04/16 22:32	1
Bromoform	ND		5.0	0.47	ug/L			02/04/16 22:32	1
Bromomethane	ND		5.0	1.2	ug/L			02/04/16 22:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/04/16 22:32	1
Chlorobenzene	ND		5.0	0.48	ug/L			02/04/16 22:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			02/04/16 22:32	1
Dibromochloromethane	ND		5.0	0.41	ug/L			02/04/16 22:32	1
Chloroethane	ND		5.0	0.87	ug/L			02/04/16 22:32	1
Chloroform	ND		5.0	0.54	ug/L			02/04/16 22:32	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			02/04/16 22:32	1
Chloromethane	ND		5.0	0.64	ug/L			02/04/16 22:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/04/16 22:32	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			02/04/16 22:32	1
Bromodichloromethane	ND		5.0	0.54	ug/L			02/04/16 22:32	1
Ethylbenzene	ND		5.0	0.46	ug/L			02/04/16 22:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/04/16 22:32	1
Tetrachloroethene	ND		5.0	0.34	ug/L			02/04/16 22:32	1
Toluene	ND		5.0	0.45	ug/L			02/04/16 22:32	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			02/04/16 22:32	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/04/16 22:32	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			02/04/16 22:32	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			02/04/16 22:32	1
Trichloroethene	ND		5.0	0.60	ug/L			02/04/16 22:32	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			02/04/16 22:32	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			02/04/16 22:32	1
Vinyl chloride	ND		5.0	0.75	ug/L			02/04/16 22:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*02/04/16 22:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*69 - 121*		*02/04/16 22:32*	*1*
Toluene-d8 (Surr)	*105*		*70 - 123*		*02/04/16 22:32*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*02/04/16 22:32*	*1*

Lab Sample ID: LCS 480-286363/6
Matrix: Water
Analysis Batch: 286363

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	20.0	18.5	J	ug/L		92	1 - 305
1,1-Dichloroethane	20.0	17.8		ug/L		89	59 - 155
1,2-Dichloroethane	20.0	18.1		ug/L		90	49 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-286363/6
Matrix: Water
Analysis Batch: 286363

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	17.6		ug/L		88	1 - 234
1,2-Dichloropropane	20.0	18.3		ug/L		92	1 - 210
Benzene	20.0	18.2		ug/L		91	37 - 151
Bromoform	20.0	21.1		ug/L		106	45 - 169
Bromomethane	20.0	27.2		ug/L		136	1 - 242
Carbon tetrachloride	20.0	19.6		ug/L		98	70 - 140
Chlorobenzene	20.0	20.1		ug/L		100	37 - 160
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/L		109	46 - 157
Dibromochloromethane	20.0	20.4		ug/L		102	53 - 149
Chloroethane	20.0	28.3		ug/L		141	14 - 230
Chloroform	20.0	18.2		ug/L		91	51 - 138
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	52 - 162
Chloromethane	20.0	17.8		ug/L		89	1 - 273
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	52 - 150
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	1 - 227
Bromodichloromethane	20.0	18.5		ug/L		92	35 - 155
Ethylbenzene	20.0	20.1		ug/L		101	37 - 162
Methylene Chloride	20.0	17.9		ug/L		90	1 - 221
Tetrachloroethene	20.0	19.9		ug/L		99	64 - 148
Toluene	20.0	20.0		ug/L		100	47 - 150
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	18 - 190
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	17 - 183
1,3-Dichlorobenzene	20.0	21.1		ug/L		105	59 - 156
Trichloroethene	20.0	18.3		ug/L		92	71 - 157
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	18 - 190
Trichlorofluoromethane	20.0	17.9		ug/L		89	17 - 181
Vinyl chloride	20.0	17.8		ug/L		89	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*
4-Bromofluorobenzene (Surr)	*96*		*69 - 121*
Toluene-d8 (Surr)	*107*		*70 - 123*
Dibromofluoromethane (Surr)	*97*		*70 - 130*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-286540/1-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		02/09/16 08:16	02/17/16 03:23	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		02/09/16 08:16	02/17/16 03:23	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		02/09/16 08:16	02/17/16 03:23	1
1,4-Dichlorobenzene	ND		10	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-286540/1-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		02/09/16 08:16	02/17/16 03:23	1
2-Chlorophenol	ND		5.0	0.66	ug/L		02/09/16 08:16	02/17/16 03:23	1
2-Nitrophenol	ND		5.0	0.70	ug/L		02/09/16 08:16	02/17/16 03:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		02/09/16 08:16	02/17/16 03:23	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		02/09/16 08:16	02/17/16 03:23	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		02/09/16 08:16	02/17/16 03:23	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		02/09/16 08:16	02/17/16 03:23	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		02/09/16 08:16	02/17/16 03:23	1
4-Nitrophenol	ND		10	10	ug/L		02/09/16 08:16	02/17/16 03:23	1
Acenaphthene	ND		5.0	0.81	ug/L		02/09/16 08:16	02/17/16 03:23	1
Acenaphthylene	ND		5.0	0.87	ug/L		02/09/16 08:16	02/17/16 03:23	1
Aniline	ND		10	1.5	ug/L		02/09/16 08:16	02/17/16 03:23	1
Anthracene	ND		5.0	1.4	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzidine	ND		80	35	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		02/09/16 08:16	02/17/16 03:23	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		02/09/16 08:16	02/17/16 03:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		02/09/16 08:16	02/17/16 03:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		02/09/16 08:16	02/17/16 03:23	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		02/09/16 08:16	02/17/16 03:23	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		02/09/16 08:16	02/17/16 03:23	1
Chrysene	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Decane	ND		10	1.6	ug/L		02/09/16 08:16	02/17/16 03:23	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		02/09/16 08:16	02/17/16 03:23	1
Diethyl phthalate	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		02/09/16 08:16	02/17/16 03:23	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		02/09/16 08:16	02/17/16 03:23	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		02/09/16 08:16	02/17/16 03:23	1
Fluoranthene	ND		5.0	1.6	ug/L		02/09/16 08:16	02/17/16 03:23	1
Fluorene	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
Hexachloroethane	ND		5.0	0.60	ug/L		02/09/16 08:16	02/17/16 03:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		02/09/16 08:16	02/17/16 03:23	1
Isophorone	ND		5.0	0.74	ug/L		02/09/16 08:16	02/17/16 03:23	1
Naphthalene	ND		5.0	0.86	ug/L		02/09/16 08:16	02/17/16 03:23	1
Nitrobenzene	ND		5.0	0.81	ug/L		02/09/16 08:16	02/17/16 03:23	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		02/09/16 08:16	02/17/16 03:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		02/09/16 08:16	02/17/16 03:23	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		02/09/16 08:16	02/17/16 03:23	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-286540/1-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Octadecane	ND		10	1.2	ug/L		02/09/16 08:16	02/17/16 03:23	1
Pentachlorophenol	ND		10	1.6	ug/L		02/09/16 08:16	02/17/16 03:23	1
Phenanthrene	ND		5.0	1.2	ug/L		02/09/16 08:16	02/17/16 03:23	1
Phenol	ND		5.0	0.35	ug/L		02/09/16 08:16	02/17/16 03:23	1
Pyrene	ND		5.0	1.4	ug/L		02/09/16 08:16	02/17/16 03:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*52 - 151*	*02/09/16 08:16*	*02/17/16 03:23*	*1*
2-Fluorobiphenyl	*81*		*44 - 120*	*02/09/16 08:16*	*02/17/16 03:23*	*1*
2-Fluorophenol	*40*		*17 - 120*	*02/09/16 08:16*	*02/17/16 03:23*	*1*
Nitrobenzene-d5	*75*		*42 - 120*	*02/09/16 08:16*	*02/17/16 03:23*	*1*
Phenol-d5	*30*		*10 - 120*	*02/09/16 08:16*	*02/17/16 03:23*	*1*
p-Terphenyl-d14	*92*		*22 - 125*	*02/09/16 08:16*	*02/17/16 03:23*	*1*

Lab Sample ID: LCS 480-286540/2-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	35.0		ug/L		70	44 - 142
1,2-Dichlorobenzene	50.0	32.9		ug/L		66	32 - 129
1,3-Dichlorobenzene	50.0	30.5		ug/L		61	1 - 172
1,4-Dichlorobenzene	50.0	31.5		ug/L		63	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	34.5		ug/L		69	36 - 166
2,4,6-Trichlorophenol	50.0	43.6		ug/L		87	37 - 144
2,4-Dichlorophenol	50.0	41.2		ug/L		82	39 - 135
2,4-Dimethylphenol	50.0	40.9		ug/L		82	32 - 119
2,4-Dinitrophenol	100	86.1		ug/L		86	1 - 191
2,4-Dinitrotoluene	50.0	47.7		ug/L		95	39 - 139
2,6-Dinitrotoluene	50.0	45.3		ug/L		91	50 - 158
2-Chloronaphthalene	50.0	38.2		ug/L		76	60 - 118
2-Chlorophenol	50.0	35.8		ug/L		72	23 - 134
2-Nitrophenol	50.0	39.9		ug/L		80	29 - 182
3,3'-Dichlorobenzidine	100	84.6		ug/L		85	1 - 262
4,6-Dinitro-2-methylphenol	100	89.7		ug/L		90	1 - 181
4-Bromophenyl phenyl ether	50.0	44.0		ug/L		88	53 - 127
4-Chloro-3-methylphenol	50.0	43.6		ug/L		87	22 - 147
4-Chlorophenyl phenyl ether	50.0	44.6		ug/L		89	25 - 158
4-Nitrophenol	100	51.4		ug/L		51	1 - 132
Acenaphthene	50.0	40.7		ug/L		81	47 - 145
Acenaphthylene	50.0	41.6		ug/L		83	33 - 145
Aniline	50.0	27.8		ug/L		56	40 - 120
Anthracene	50.0	45.1		ug/L		90	27 - 133
Benzo[a]anthracene	50.0	45.5		ug/L		91	33 - 143
Benzo[a]pyrene	50.0	45.2		ug/L		90	17 - 163
Benzo[b]fluoranthene	50.0	42.4		ug/L		85	24 - 159
Benzo[g,h,i]perylene	50.0	43.8		ug/L		88	1 - 219
Benzo[k]fluoranthene	50.0	47.8		ug/L		96	11 - 162

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-286540/2-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	50.0	39.0		ug/L		78	33 - 184
Bis(2-chloroethyl)ether	50.0	36.7		ug/L		73	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	47.0		ug/L		94	8 - 158
Butyl benzyl phthalate	50.0	46.2		ug/L		92	1 - 152
Chrysene	50.0	44.3		ug/L		89	17 - 168
Dibenz(a,h)anthracene	50.0	44.7		ug/L		89	1 - 227
Diethyl phthalate	50.0	46.9		ug/L		94	1 - 114
Dimethyl phthalate	50.0	45.5		ug/L		91	1 - 112
Di-n-butyl phthalate	50.0	47.3		ug/L		95	1 - 118
Di-n-octyl phthalate	50.0	45.6		ug/L		91	4 - 146
Fluoranthene	50.0	46.6		ug/L		93	26 - 137
Fluorene	50.0	44.0		ug/L		88	59 - 121
Hexachlorobenzene	50.0	45.3		ug/L		91	1 - 152
Hexachlorocyclopentadiene	50.0	34.5		ug/L		69	5 - 120
Hexachloroethane	50.0	30.2		ug/L		60	40 - 113
Indeno[1,2,3-cd]pyrene	50.0	44.2		ug/L		88	1 - 171
Isophorone	50.0	41.6		ug/L		83	21 - 196
Naphthalene	50.0	37.2		ug/L		74	21 - 133
Nitrobenzene	50.0	37.2		ug/L		74	35 - 180
N-Nitrosodi-n-propylamine	50.0	41.4		ug/L		83	1 - 230
N-Nitrosodiphenylamine	50.0	43.4		ug/L		87	54 - 125
Pentachlorophenol	100	89.8		ug/L		90	14 - 176
Phenanthrene	50.0	44.7		ug/L		89	54 - 120
Phenol	50.0	17.4		ug/L		35	5 - 112
Pyrene	50.0	44.3		ug/L		89	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*97*		*52 - 151*
2-Fluorobiphenyl	*80*		*44 - 120*
2-Fluorophenol	*46*		*17 - 120*
Nitrobenzene-d5	*76*		*42 - 120*
Phenol-d5	*32*		*10 - 120*
p-Terphenyl-d14	*87*		*22 - 125*

Lab Sample ID: LCSD 480-286540/3-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286540

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	33.4		ug/L		67	44 - 142	5	34
1,2-Dichlorobenzene	50.0	31.8		ug/L		64	32 - 129	4	38
1,3-Dichlorobenzene	50.0	30.6		ug/L		61	1 - 172	0	37
1,4-Dichlorobenzene	50.0	31.5		ug/L		63	20 - 124	0	40
2,2'-oxybis[1-chloropropane]	50.0	34.7		ug/L		69	36 - 166	1	36
2,4,6-Trichlorophenol	50.0	41.7		ug/L		83	37 - 144	4	20
2,4-Dichlorophenol	50.0	39.6		ug/L		79	39 - 135	4	23
2,4-Dimethylphenol	50.0	39.3		ug/L		79	32 - 119	4	18
2,4-Dinitrophenol	100	86.9		ug/L		87	1 - 191	1	29

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-286540/3-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286540

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene			50.0	47.1		ug/L		94	39 - 139	1	20
2,6-Dinitrotoluene			50.0	44.8		ug/L		90	50 - 158	1	17
2-Chloronaphthalene			50.0	38.4		ug/L		77	60 - 118	0	30
2-Chlorophenol			50.0	35.4		ug/L		71	23 - 134	1	26
2-Nitrophenol			50.0	38.6		ug/L		77	29 - 182	3	28
3,3'-Dichlorobenzidine			100	85.2		ug/L		85	1 - 262	1	31
4,6-Dinitro-2-methylphenol			100	89.0		ug/L		89	1 - 181	1	30
4-Bromophenyl phenyl ether			50.0	42.2		ug/L		84	53 - 127	4	16
4-Chloro-3-methylphenol			50.0	43.1		ug/L		86	22 - 147	1	16
4-Chlorophenyl phenyl ether			50.0	43.2		ug/L		86	25 - 158	3	15
4-Nitrophenol			100	52.7		ug/L		53	1 - 132	2	24
Acenaphthene			50.0	40.3		ug/L		81	47 - 145	1	25
Acenaphthylene			50.0	40.6		ug/L		81	33 - 145	3	22
Aniline			50.0	30.3		ug/L		61	40 - 120	9	30
Anthracene			50.0	44.1		ug/L		88	27 - 133	2	15
Benzo[a]anthracene			50.0	44.8		ug/L		90	33 - 143	2	15
Benzo[a]pyrene			50.0	44.9		ug/L		90	17 - 163	1	15
Benzo[b]fluoranthene			50.0	43.0		ug/L		86	24 - 159	1	17
Benzo[g,h,i]perylene			50.0	44.1		ug/L		88	1 - 219	1	19
Benzo[k]fluoranthene			50.0	47.1		ug/L		94	11 - 162	1	19
Bis(2-chloroethoxy)methane			50.0	37.8		ug/L		76	33 - 184	3	23
Bis(2-chloroethyl)ether			50.0	36.4		ug/L		73	12 - 158	1	33
Bis(2-ethylhexyl) phthalate			50.0	46.8		ug/L		94	8 - 158	1	15
Butyl benzyl phthalate			50.0	45.8		ug/L		92	1 - 152	1	15
Chrysene			50.0	44.4		ug/L		89	17 - 168	0	15
Dibenz(a,h)anthracene			50.0	44.6		ug/L		89	1 - 227	0	18
Diethyl phthalate			50.0	46.5		ug/L		93	1 - 114	1	15
Dimethyl phthalate			50.0	45.7		ug/L		91	1 - 112	0	15
Di-n-butyl phthalate			50.0	46.2		ug/L		92	1 - 118	2	15
Di-n-octyl phthalate			50.0	46.3		ug/L		93	4 - 146	1	15
Fluoranthene			50.0	45.5		ug/L		91	26 - 137	2	15
Fluorene			50.0	42.9		ug/L		86	59 - 121	2	18
Hexachlorobenzene			50.0	42.8		ug/L		86	1 - 152	6	15
Hexachlorocyclopentadiene			50.0	32.9		ug/L		66	5 - 120	5	50
Hexachloroethane			50.0	29.3		ug/L		59	40 - 113	3	43
Indeno[1,2,3-cd]pyrene			50.0	44.6		ug/L		89	1 - 171	1	17
Isophorone			50.0	41.8		ug/L		84	21 - 196	1	21
Naphthalene			50.0	35.3		ug/L		71	21 - 133	5	31
Nitrobenzene			50.0	36.5		ug/L		73	35 - 180	2	27
N-Nitrosodi-n-propylamine			50.0	41.1		ug/L		82	1 - 230	1	23
N-Nitrosodiphenylamine			50.0	42.3		ug/L		85	54 - 125	3	15
Pentachlorophenol			100	88.4		ug/L		88	14 - 176	2	21
Phenanthrene			50.0	43.1		ug/L		86	54 - 120	4	16
Phenol			50.0	17.7		ug/L		35	5 - 112	2	36
Pyrene			50.0	43.9		ug/L		88	52 - 115	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*95*		*52 - 151*

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-286540/3-A
Matrix: Water
Analysis Batch: 287295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286540

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 120*
2-Fluorophenol	*46*		*17 - 120*
Nitrobenzene-d5	*74*		*42 - 120*
Phenol-d5	*34*		*10 - 120*
p-Terphenyl-d14	*86*		*22 - 125*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-286445/1-A
Matrix: Water
Analysis Batch: 286828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1221	ND		0.060	0.038	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1232	ND		0.060	0.038	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1242	ND		0.060	0.038	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1248	ND		0.060	0.038	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1254	ND		0.060	0.031	ug/L		02/05/16 11:27	02/11/16 15:50	1
PCB-1260	ND		0.060	0.031	ug/L		02/05/16 11:27	02/11/16 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*26 - 135*	*02/05/16 11:27*	*02/11/16 15:50*	*1*
Tetrachloro-m-xylene	*99*		*27 - 159*	*02/05/16 11:27*	*02/11/16 15:50*	*1*

Lab Sample ID: LCS 480-286445/2-A
Matrix: Water
Analysis Batch: 286828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286445

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.00	1.20		ug/L		120	40 - 142		
PCB-1260			1.00	0.995		ug/L		100	67 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*26 - 135*
Tetrachloro-m-xylene	*85*		*27 - 159*

Lab Sample ID: LCSD 480-286445/3-A
Matrix: Water
Analysis Batch: 286828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286445

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			1.00	1.19		ug/L		119	40 - 142	1	30
PCB-1260			1.00	1.02		ug/L		102	67 - 148	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*26 - 135*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 480-286445/3-A
Matrix: Water
Analysis Batch: 286828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 286445

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*27 - 159*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-286435/1-A
Matrix: Water
Analysis Batch: 286550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		02/08/16 08:05	02/08/16 12:53	1
Copper	ND		0.010	0.0016	mg/L		02/08/16 08:05	02/08/16 12:53	1
Lead	ND		0.010	0.0030	mg/L		02/08/16 08:05	02/08/16 12:53	1
Nickel	ND		0.010	0.0013	mg/L		02/08/16 08:05	02/08/16 12:53	1
Zinc	0.00176	J	0.010	0.0015	mg/L		02/08/16 08:05	02/08/16 12:53	1

Lab Sample ID: LCS 480-286435/2-A
Matrix: Water
Analysis Batch: 286550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.209		mg/L		104	85 - 115
Copper	0.200	0.200		mg/L		100	85 - 115
Lead	0.200	0.206		mg/L		103	85 - 115
Nickel	0.200	0.198		mg/L		99	85 - 115
Zinc	0.200	0.201		mg/L		101	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-286556/1-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		02/09/16 10:25	02/09/16 14:15	1

Lab Sample ID: LCS 480-286556/2-A
Matrix: Water
Analysis Batch: 286632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00660		mg/L		99	85 - 115

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-286607/1-A
Matrix: Water
Analysis Batch: 287889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		02/09/16 16:11	02/19/16 13:34	1

Lab Sample ID: LCS 480-286607/2-A
Matrix: Water
Analysis Batch: 287889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 286607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.105		mg/L		105	90 - 110

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

Lab Sample ID: MB 480-286762/1
Matrix: Water
Analysis Batch: 286762

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			02/11/16 05:41	1

Lab Sample ID: LCS 480-286762/2
Matrix: Water
Analysis Batch: 286762

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	251	250.0		mg/L		100	88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-286581/23
Matrix: Water
Analysis Batch: 286581

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	7.010		SU		100	99 - 101

Lab Sample ID: LCS 480-286581/45
Matrix: Water
Analysis Batch: 286581

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	7.080		SU		101	99 - 101

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-286820/3
Matrix: Water
Analysis Batch: 286820

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			02/11/16 10:46	1

Lab Sample ID: LCS 480-286820/4
Matrix: Water
Analysis Batch: 286820

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	0.196		mg/L as P		98	90 - 110

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-286476/1
Matrix: Water
Analysis Batch: 286476

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			02/05/16 10:39	1

Lab Sample ID: LCS 480-286476/2
Matrix: Water
Analysis Batch: 286476

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	222.1		mg/L		112	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-94813-1

GC/MS VOA

Analysis Batch: 286363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	624	
480-94813-2	TRIP BLANK	Total/NA	Water	624	
LCS 480-286363/6	Lab Control Sample	Total/NA	Water	624	
MB 480-286363/8	Method Blank	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 286540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	625	
LCS 480-286540/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-286540/3-A	Lab Control Sample Dup	Total/NA	Water	625	
MB 480-286540/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 287295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	625	286540
LCS 480-286540/2-A	Lab Control Sample	Total/NA	Water	625	286540
LCSD 480-286540/3-A	Lab Control Sample Dup	Total/NA	Water	625	286540
MB 480-286540/1-A	Method Blank	Total/NA	Water	625	286540

GC Semi VOA

Prep Batch: 286445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	3510C	
LCS 480-286445/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-286445/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-286445/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 286828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-286445/2-A	Lab Control Sample	Total/NA	Water	608	286445
LCSD 480-286445/3-A	Lab Control Sample Dup	Total/NA	Water	608	286445
MB 480-286445/1-A	Method Blank	Total/NA	Water	608	286445

Analysis Batch: 287032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	608	286445

Metals

Prep Batch: 286435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	200.7	
LCS 480-286435/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-286435/1-A	Method Blank	Total/NA	Water	200.7	

Metals (Continued)

Analysis Batch: 286550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	200.7 Rev 4.4	286435
LCS 480-286435/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	286435
MB 480-286435/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	286435

Prep Batch: 286556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	245.1	
LCS 480-286556/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 480-286556/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 286632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	245.1	286556
LCS 480-286556/2-A	Lab Control Sample	Total/NA	Water	245.1	286556
MB 480-286556/1-A	Method Blank	Total/NA	Water	245.1	286556

General Chemistry

Analysis Batch: 286476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	SM 5210B	
LCS 480-286476/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-286476/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 286581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	SM 4500 H+ B	
LCS 480-286581/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCS 480-286581/45	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Prep Batch: 286607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	Distill/Phenol	
LCS 480-286607/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-286607/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 286762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	SM 2540D	
LCS 480-286762/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-286762/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 286820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	SM 4500 P E	
LCS 480-286820/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	
MB 480-286820/3	Method Blank	Total/NA	Water	SM 4500 P E	

General Chemistry (Continued)

Analysis Batch: 287495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	SM 4500 CN G	

Analysis Batch: 287889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94813-1	BCC BSA SUMP_0216	Total/NA	Water	420.1	286607
LCS 480-286607/2-A	Lab Control Sample	Total/NA	Water	420.1	286607
MB 480-286607/1-A	Method Blank	Total/NA	Water	420.1	286607

Lab Chronicle

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

TestAmerica Job ID: 480-94813-1

Client Sample ID: BCC BSA SUMP_0216

Lab Sample ID: 480-94813-1

Date Collected: 02/04/16 10:30

Matrix: Water

Date Received: 02/04/16 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	286363	02/05/16 09:51	RRS	TAL BUF
Total/NA	Prep	625			286540	02/09/16 08:16	JLS	TAL BUF
Total/NA	Analysis	625		1	287295	02/17/16 04:42	CAS	TAL BUF
Total/NA	Prep	3510C			286445	02/05/16 11:27	RMZ	TAL BUF
Total/NA	Analysis	608		1	287032	02/13/16 14:07	JMO	TAL BUF
Total/NA	Prep	200.7			286435	02/08/16 08:05	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	286550	02/08/16 14:07	AMH	TAL BUF
Total/NA	Prep	245.1			286556	02/09/16 10:25	TAS	TAL BUF
Total/NA	Analysis	245.1		1	286632	02/09/16 14:21	TAS	TAL BUF
Total/NA	Prep	Distill/Phenol			286607	02/09/16 16:11	CLT	TAL BUF
Total/NA	Analysis	420.1		1	287889	02/19/16 14:26	MRF	TAL BUF
Total/NA	Analysis	SM 2540D		1	286762	02/11/16 05:41	CDC	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	287495	02/17/16 11:52	KMF	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	286581	02/05/16 16:31	KMF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	286820	02/11/16 10:46	DCB	TAL BUF
Total/NA	Analysis	SM 5210B		1	286476	02/05/16 10:39	MDL	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-94813-2

Date Collected: 02/04/16 00:00

Matrix: Water

Date Received: 02/04/16 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	286363	02/05/16 10:19	RRS	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-94813-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

The following analytes are included in this report, but certification is not offered by the governing authority:

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-94813-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	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

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",

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-94813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94813-1	BCC BSA SUMP_0216	Water	02/04/16 10:30	02/04/16 15:10
480-94813-2	TRIP BLANK	Water	02/04/16 00:00	02/04/16 15:10

Detection Limit Exceptions Summary

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

TestAmerica Job ID: 480-94813-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great 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 procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	2,4-Dinitrotoluene	ug/L	5.0	10
625	Water	4-Nitrophenol	ug/L	10	15
625	Water	Hexachlorocyclopentadiene	ug/L	5.0	10

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Schove, John	Site Contact: Tom Wagner	Date: 2-4-16	COC No: 292163.0216
Ontario Specialty Contracting Inc.	Tel/Fax: (716) 912-9926	Lab Contact: Schove, John	Carrier: OSC	1 of 1 COCs
333 Ganson Street	Analysis Turnaround Time			Job No. 0913-OMM
Buffalo, NY, 14203	Calendar (C) or Work Days (W)			
716-856-3333 Phone	TAT			
716-842-1630 FAX	[X] 2 weeks			
Project Name: Buffalo Color GWTF Sump	[ ] 1 week			
Site: HoneyWell Buffalo Color - NYC915230	[ ] 2 days			
PO# 52954	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	4500_P_E - Phosphorus	200.7 , 245.1	420.4 - Phenolics, Total Recoverable	624_5ml - (MOD) Priority Pollutant List - VOA - 62	608_PCB - Priority Pollutant PCBs	625 - (MOD) Priority Pollutant List - SVOA - 6	5210B - Biochemical Oxygen Demand	2540D - Total Suspended Solids	SM4500CN_G_Calc - Local Method	SM4500_H+ - pH
BCC_BSA_Sump_0216	2/4/16	1030	C	W	19	N	1	1	1	8	2	2	1	1	1	1
Trip Blank	N/A	N/A	N/A	N/A	2					2						
Container Volume (ml)							250	250	250	40	1000	1000	1000	500	250	125
Preservation: 1= Ice 2= HCl (Hydrochloric) 3= H2SO4 (Sulfuric) 4=HNO3 (Nitric) 5=NaOH (Sodium Hydroxide) 6=Other							3-P	4-P	3-A	2-V	1-A	1-A	1-P	1-P	5-P	1-P

Flow Rates (GPM)
EW-1:
EW-2:
EW-3A:
EW-4:
EW-5:
Composite Percent (%)
DC-1:
DC-2:

Sample Specific Notes:
Lab to composite 624 for BCC BSA Sump samples prior to analysis

480-94813 Chain of Custody

Possible Hazard Identification
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* [ ] *Poison B* [X] *Unknown*

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

Special Instructions/QC Requirements & Comments:

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Tom Wagner	OSC	2/4/16 1510			02/04/16 1518
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

5.5°C 1 of 2

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-94813-1

Login Number: 94813
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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

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	Comments
1/8/2016	TW	47	46	33	20	48	32	17.3	27	21	22	20	7.35	18	21.4	14,723,180	17	23.4	11,043,332	19						
1/18/2016	TW	48	45	32	27	47	30	17.9	25	18	19	17	7.47	14	19.8	14,840,080	14	27.1	11,116,697	24	5	10	4	3	y	
1/22/2016	TW	47	45	33	25	47	31	18.7	26	20	21	19	7.46	16	20.6	14,893,468	15	26.6	11,148,860	22	5	7	3	4	y	
1/29/2016	TW	47	46	33	28	48	31	18.3	26	19	20	18	7.42	15	20.1	14,980,128	15	28.1	11,196,833	26	6	9	4	4	y	
2/5/2016	TW	49	47	32	22	49	32	18.1	26	20	21	19	7.49	16	20	15,060,470	14	23.6	11,240,941	19	5	8	4	3	y	
2/12/2016	TW	48	48	32	21	50	33	17.6	28	20	20	19	7.41	16	19.5	15,119,457	15	23.5	11,273,261	18						
2/22/2016	TW	48	45	32	22	47	28	16.7	24	18	19	17	7.52	15	18.6	15,205,673	14	25.8	11,321,194	18	4	7	4	3	y	
2/26/2016	TW	47	47	33	21	49	27	16.7	22	18	19	17	7.49	15	17.9	15,254,274	15	21.2	11,352,159	17	5	10				Water #3 vault
3/25/2016	TW	47	46	33	28	48	29	18.7	24	16	17	15	7.45	13	20.4	15,525,498	12	22.2	11,507,197	18	6	10				Water #3 vault

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
1/1/2016													
1/2/2016													
1/3/2016													
1/4/2016								1	1	1			
1/5/2016									1	1			
1/6/2016								1					
1/7/2016							1	0.5	1	1	1	1	
1/8/2016					1			1	1	1			
1/9/2016													
1/10/2016													
1/11/2016								1	1	1			Test: Flush from Gwtf out
1/12/2016								0.5	1				Acid #5 A well
1/13/2016										1			
1/14/2016								0.5	1				
1/15/2016								1	1	1			
1/16/2016													
1/17/2016													
1/18/2016								1	1	1	1	1	
1/19/2016													
1/20/2016								0.5	1				
1/21/2016								0.5		1			
1/22/2016					1	1		1	1	1	1	1	
1/23/2016													
1/24/2016													
1/25/2016								1	1	1			
1/26/2016													
1/27/2016								1	1	1			
1/28/2016													
1/29/2016					1	1	1	1	1	1	1	1	
1/30/2016													
1/31/2016													
2/1/2016					1	1	1	1	1	1			Gac Sample
2/2/2016													
2/3/2016								1	1	1			
2/4/2016									1				Sump sample
2/5/2016					1	1		1	1	1			
2/6/2016													
2/7/2016													
2/8/2016								1	1	1			
2/9/2016									1	1			
2/10/2016							1	1	1	1	1		
2/11/2016													
2/12/2016								1	1	1			
2/13/2016													
2/14/2016													
2/15/2016					1		1	1	1	1	1	1	B. filter, M M , Carbon sample
2/16/2016									2	2			Clean Tank #10
2/17/2016													
2/18/2016							1	1			1		
2/19/2016					1			1	1	1			
2/20/2016													
2/21/2016													
2/22/2016								1	1	1			
2/23/2016									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
2/24/2016							1	1	1	1	1	1	
2/25/2016													
2/26/2016					1	1		1	1	1			
2/27/2016													
2/28/2016													
2/29/2016								1	1	1	1		
3/1/2016													
3/2/2016								1	1	1			
3/3/2016					1	1	1		1	1	1	1	New pump #4 a
3/4/2016								1	1	1	1	1	
3/5/2016													
3/6/2016													
3/7/2016								1	1	1			
3/8/2016													
3/9/2016								1	1	1			
3/10/2016													
3/11/2016								1	1	1	1	1	
3/12/2016													
3/13/2016													
3/14/2016								1	2	1			
3/15/2016								1	1	1			
3/16/2016							1	1	1				
3/17/2016					1	1			1	1			
3/18/2016								1	1	1	1		
3/19/2016													
3/20/2016													
3/21/2016						1		1	1	1			
3/22/2016									1				
3/23/2016								1	1	1			
3/24/2016							1		1		1	1	
3/25/2016					1	1	1	1	1				
3/26/2016													
3/27/2016													
3/28/2016								1	3	2			Acid #5 A well: Run D pumps
3/29/2016								0.5	1	1			Run Area D Wells
3/30/2016								1	1	1			
3/31/2016							1	1	1	1	1	1	

July 1, 2016

Leslie Sedita
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 #14-06-BU109
OSC Project ID: 16011

Dear Ms. Sedita:

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, 2016 through June 30, 2016. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #14-06BU109.

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
Daniel Forlastro	AMEC Environment & Infrastructure

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

B.P.D.E.S. Permit No. #14-06-BU109
Former Buffalo Color Corporation Site
South Buffalo Development Corporation LLC (SBD)
Reporting Period: April 1, 2016 through June 30, 2016

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 Effluent No. 1 and Effluent No. 2 flow totalizers, which includes 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:

April 2016	492,683 gallons
May 2016	490,064 gallons
June 2016	397,878 gallons

Total Quarterly Discharge 1,380,625 gallons

Estimated Area D contribution this period:
6,157 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.	14-06-BU109	Effective June 1, 2014	Year: 2016	Event Group: SUMP
Sample Date:	4/29/2016		Month: JUN	Lab Job ID: J99333-1
Sample Location:	Onsite Pump Station to BSA			

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	8.48	0.100	SU	8.48	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.022	0.010	mg/L	0.003	lbs/day	1.67	lbs/day	Yes	20	0.022	Yes
Total Chromium	7440-47-3	0.0036	0.0040	mg/L	0.0005	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0027	0.010	mg/L	0.0003	lbs/day	0.67	lbs/day	Yes	16	0.0027	Yes
Lead	7439-92-1	0.0064	0.0050	mg/L	0.0008	lbs/day	0.541	lbs/day	Yes	65	0.0064	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	0.0016	0.010	mg/L	0.0002	lbs/day	1.17	lbs/day	Yes	14	0.0016	Yes
Zinc	7440-66-6	0.0033	0.010	mg/L	0.0004	lbs/day	2.046	lbs/day	Yes	25	0.003	Yes
Amendable Cyanide	CAN	0.03	0.010	mg/L	0.004	lbs/day	2.59	lbs/day	Yes	6.2	0.030	Yes
Total PCB	Sum Method_E608	ND	0.059	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	5.4	1900	ug/L	0.0007	lbs/day	50	lbs/day	Yes			
Benzene	71-43-2	ND	25	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	3.0	25	ug/L	0.0004	lbs/day	0.129	lbs/day	Yes	0.31	0.00	Yes
1,2-Dichlorobenzene	95-50-1	0.62	9.4	ug/L	0.0001	lbs/day	0.197	lbs/day	Yes	0.472	0.0006	Yes
Fluoranthene	206-44-0	ND	4.7	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	0.47	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	3	25	ug/L	0.003	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	0.400	0.010	mg/L	0.400	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	10.65	-	gpm	15,340	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

Flow Calculations

Combined Effluent No. 1 and No. 2 Flow Totals (gallons)

Initial Reading	27,159,121	4/1/2016
Final Reading	28,539,746	6/30/2016
Total Days in Period	90	
Total Flow for Period	**1,380,625**	gallons
Average Flow for Period	**10.65**	gpm

BSA Discharge Permit

BUFFALO SEWER AUTHORITY

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) 883-1820

February 11, 2014

Andrew Madden
Manager
South Buffalo Development, LLC.
333 Ganson Street
Buffalo, New York 14203

Re: BPDES Permit No. 14-06-BU109

Dear Mr. Madden:

Enclosed is your BPDES Permit No. 14-06-BU109. This permit is issued by the BSA and allows your facility to discharge process wastes to the sanitary sewers.

This original permit must be maintained at your Buffalo 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 six (6) months before this permit expires.

If you have any questions, please call Dennis W. Young at 851-4664, ext. 5256.

Very truly yours,

By: Leslie Sedita

Leslie Sedita
Industrial Waste Administrator
Industrial Waste Section

cc: M. Letina

I\WPD\JK\SBDLLC1406bu109permitltr

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO. 14-06-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 4, 2014** 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, 2014

To Expire May 31, 2017

General Manager

Signed this 16th **day of** February **, 2014**

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[1]	5.0 - 12.0 SU		Probe	**Quarterly**
	Total Flow	50,000 gals		Flow Meter[2]	**Continuous**
	BOD_5	250 mg/L [3]		Composite [4]	**Quarterly**
	Total Suspended Solids	250 mg/L [3]		Composite	**Quarterly**
	Total Phosphate	15.35 mg/L[3]		Composite	**Quarterly**
	Total Phenol[5]	1.67 lbs	20.0	Composite	**Quarterly**
	Amenable Cyanide	2.59 lbs	6.2	Grab [7]	**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	[6]		Grab[7]	**Quarterly**
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	[8]		Composite	**Quarterly**
	Total PCB's	0.000 lbs	0.002	Composite	**Quarterly**
	Aniline	50.0 lbs	0.00	Composite	**Quarterly**
	Benzene	0.059 lbs	0.142 mg/L	Composite	**Quarterly**
	Chlorobenzene	0.129 lbs	0.310 mg/L	Composite	**Quarterly**
	1, 2-Dichlorbenzene	0.197 lbs.	0.472 mg/L	Composite	**Quarterly**
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Composite	**Quarterly**
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Naphthalene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Anthracene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	**Maid***	**Type**	**Frequency**
	Fluorene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Phenanthrene	0.131 lbs.	0.314 mg/L	Composite	**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	
		Initial Report	**Subsequent Reports**
001	All analytes	July 31, 2011	Every July 31, October 31, January 31, April 30**

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

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 that 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.

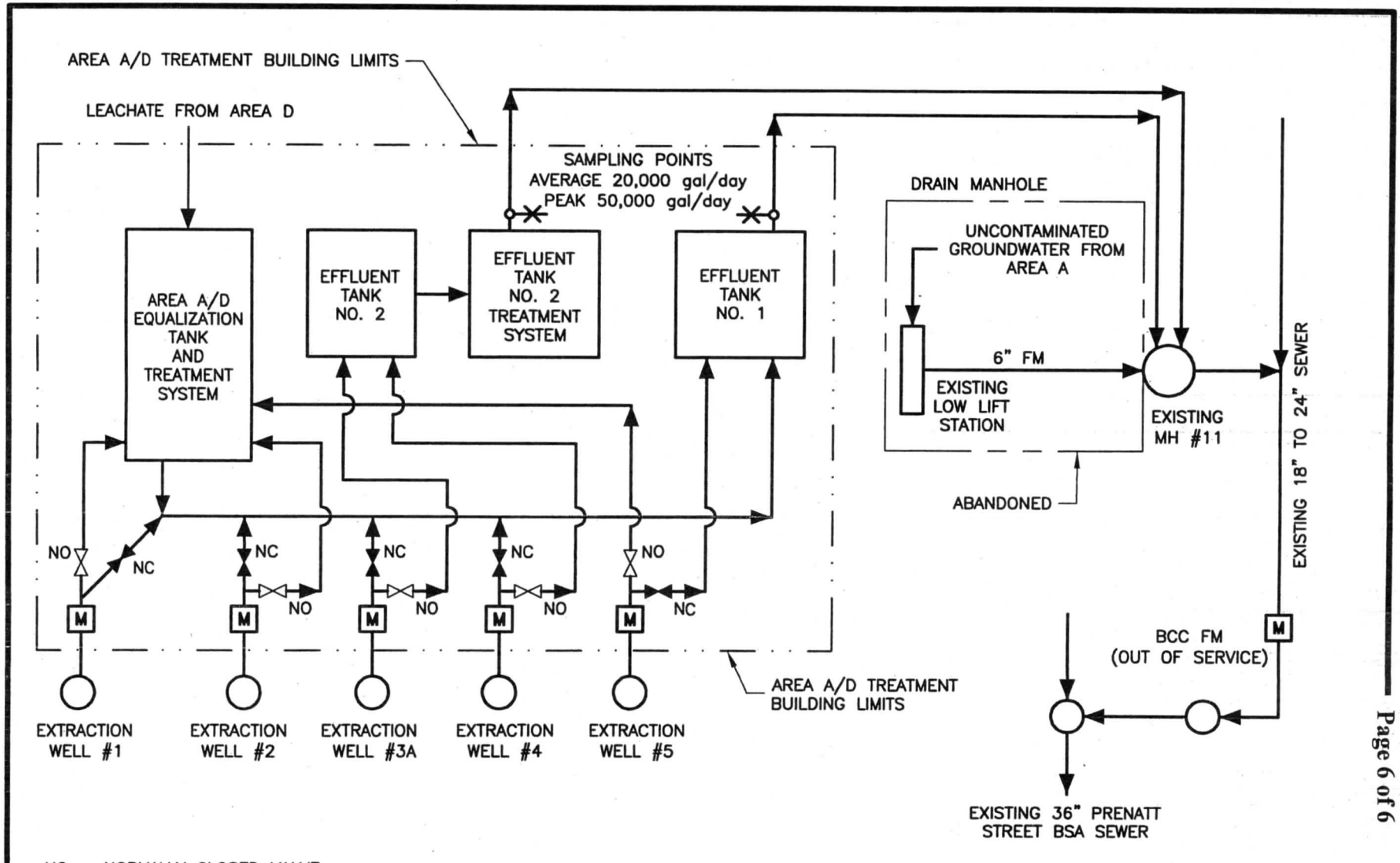
(4) Composite samples may be flow proportioned.

(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 that 0.01 mg/L.



FORMER BUFFALO COLOR CORPORATION
SITE
BUFFALO, NY

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

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 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 the possibility of fine and imprisonment for knowing violations."

B. PERMITTEE REQUIREMENTS

1. Change in Discharge [revised 08/2013]

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. A Baseline Monitoring Report shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet".

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. Spill Prevention and Control Plan [added 08/2013]

The permittee shall have a plan to prevent and control spills into the sewer system. The plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet"

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 at 883-1820 of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM – 3:00 PM call 851-4661, ext. 5374. After 3:00 PM call ext. 851-4664, ext. 600. If requested by the B.S.A., 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 [Revised 08/2013]

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 883-1820 851-4664, ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall also 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 noncomplying 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 it's 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.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and the "Sewer Regulations for Erie County Sewer Districts" provides that any person who violates a B.P.D.E.S. permit condition is liable to the Authority for a civil penalty of up to $10,000.00 per day for each violation. Any person who willfully or negligently violates permit

conditions will be referred to the New York State Attorney General.

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.

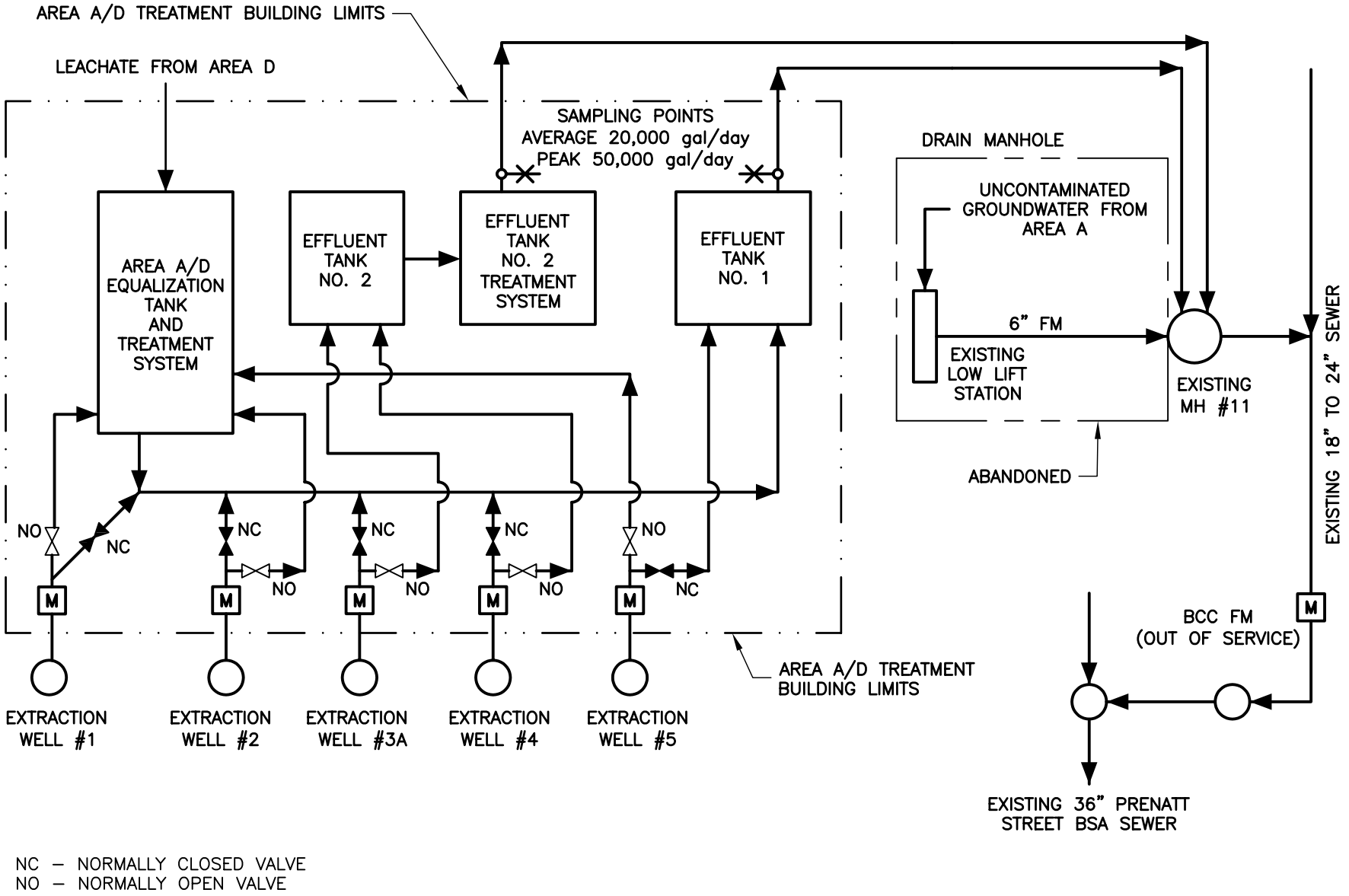
G. CONFIDENTIALITY

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



NC – NORMALLY CLOSED VALVE
NO – NORMALLY OPEN VALVE

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-99333-1
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:
5/9/2016 11:34:21 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-99333-1

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.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance 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
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.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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

TestAmerica Job ID: 480-99333-1

Job ID: 480-99333-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-99333-1

Comments
No additional comments.

Receipt
The samples were received on 4/29/2016 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: BCC BSA SUMP_0416 (480-99333-1) and TRIP BLANK (480-99333-2). The requested target analyte list contains 2-chloroethyl vinyl ether, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following Volatile samples were composited by the laboratory on 5/2/16 as requested by the client: BCC BSA SUMP_0416 (480-99333-1). 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(s) 625: The continuing calibration verification (CCV) associated with batch 480-299558 recovered above the upper control limit for 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4-Nitrophenol, and Diethyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: BCC BSA SUMP_0416 (480-99333-1).

Method(s) 625: The laboratory control sample (LCS) for preparation batch 480-299164 and analytical batch 480-299558 recovered outside control limits for the following analytes: Diethyl phthalate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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(s) 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_0416 (480-99333-1).

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- Quarterly BSA SUMP

TestAmerica Job ID: 480-99333-1

Client Sample ID: BCC BSA SUMP_0416 — Lab Sample ID: 480-99333-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.62	J	5.0	0.44	ug/L	1		624	Total/NA
1,4-Dichlorobenzene	0.56	J	5.0	0.51	ug/L	1		624	Total/NA
Chlorobenzene	3.0	J	5.0	0.48	ug/L	1		624	Total/NA
2-Chlorophenol	1.6	J	4.8	0.64	ug/L	1		625	Total/NA
Acenaphthene	1.5	J	4.8	0.78	ug/L	1		625	Total/NA
Aniline	5.4	J	9.6	1.4	ug/L	1		625	Total/NA
Di-n-butyl phthalate	36	F1	4.8	1.5	ug/L	1		625	Total/NA
Chromium	0.0036	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	0.0064	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0016	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0033	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.022		0.010	0.0050	mg/L	1		420.1	Total/NA
Cyanide, Amenable	0.030		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
Phosphorus	0.40		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.48	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-99333-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

TestAmerica Job ID: 480-99333-1

Client Sample ID: BCC BSA SUMP_0416
Date Collected: 04/29/16 10:00
Date Received: 04/29/16 14:15

Lab Sample ID: 480-99333-1
Matrix: Water

Method: 624 - 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			05/02/16 18:54	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/02/16 18:54	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/02/16 18:54	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/02/16 18:54	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/02/16 18:54	1
1,2-Dichlorobenzene	**0.62**	**J**	5.0	0.44	ug/L			05/02/16 18:54	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/02/16 18:54	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/02/16 18:54	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/02/16 18:54	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/02/16 18:54	1
1,4-Dichlorobenzene	**0.56**	**J**	5.0	0.51	ug/L			05/02/16 18:54	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/02/16 18:54	1
Acrolein	ND		100	17	ug/L			05/02/16 18:54	1
Acrylonitrile	ND		50	1.9	ug/L			05/02/16 18:54	1
Benzene	ND		5.0	0.60	ug/L			05/02/16 18:54	1
Bromoform	ND		5.0	0.47	ug/L			05/02/16 18:54	1
Bromomethane	ND		5.0	1.2	ug/L			05/02/16 18:54	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/02/16 18:54	1
Chlorobenzene	**3.0**	**J**	5.0	0.48	ug/L			05/02/16 18:54	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/02/16 18:54	1
Chloroethane	ND		5.0	0.87	ug/L			05/02/16 18:54	1
Chloroform	ND		5.0	0.54	ug/L			05/02/16 18:54	1
Chloromethane	ND		5.0	0.64	ug/L			05/02/16 18:54	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/02/16 18:54	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/02/16 18:54	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/02/16 18:54	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/02/16 18:54	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/02/16 18:54	1
Toluene	ND		5.0	0.45	ug/L			05/02/16 18:54	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/02/16 18:54	1
Trichloroethene	ND		5.0	0.60	ug/L			05/02/16 18:54	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/02/16 18:54	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/02/16 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*72 - 130*		*05/02/16 18:54*	*1*
4-Bromofluorobenzene (Surr)	*86*		*69 - 121*		*05/02/16 18:54*	*1*
Toluene-d8 (Surr)	*83*		*70 - 123*		*05/02/16 18:54*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*05/02/16 18:54*	*1*

Method: 625 - 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		04/30/16 08:23	05/03/16 11:14	1
1,2-Dichlorobenzene	ND		9.6	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
1,2-Diphenylhydrazine	ND		9.6	0.75	ug/L		04/30/16 08:23	05/03/16 11:14	1
1,3-Dichlorobenzene	ND		9.6	0.66	ug/L		04/30/16 08:23	05/03/16 11:14	1
1,4-Dichlorobenzene	ND		9.6	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,2'-oxybis[1-chloropropane]	ND		4.8	0.81	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,4,6-Trichlorophenol	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,4-Dichlorophenol	ND		4.8	0.74	ug/L		04/30/16 08:23	05/03/16 11:14	1

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

TestAmerica Job ID: 480-99333-1

Client Sample ID: BCC BSA SUMP_0416
Date Collected: 04/29/16 10:00
Date Received: 04/29/16 14:15

Lab Sample ID: 480-99333-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,4-Dinitrophenol	ND		9.6	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,4-Dinitrotoluene	ND		4.8	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
2,6-Dinitrotoluene	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
2-Chloronaphthalene	ND		4.8	0.88	ug/L		04/30/16 08:23	05/03/16 11:14	1
2-Chlorophenol	**1.6**	**J**	4.8	0.64	ug/L		04/30/16 08:23	05/03/16 11:14	1
2-Nitrophenol	ND		4.8	0.67	ug/L		04/30/16 08:23	05/03/16 11:14	1
3,3'-Dichlorobenzidine	ND		4.8	0.79	ug/L		04/30/16 08:23	05/03/16 11:14	1
4,6-Dinitro-2-methylphenol	ND		9.6	0.64	ug/L		04/30/16 08:23	05/03/16 11:14	1
4-Bromophenyl phenyl ether	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
4-Chloro-3-methylphenol	ND		4.8	1.1	ug/L		04/30/16 08:23	05/03/16 11:14	1
4-Chlorophenyl phenyl ether	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
4-Nitrophenol	ND		9.6	9.6	ug/L		04/30/16 08:23	05/03/16 11:14	1
Acenaphthene	**1.5**	**J**	4.8	0.78	ug/L		04/30/16 08:23	05/03/16 11:14	1
Acenaphthylene	ND		4.8	0.84	ug/L		04/30/16 08:23	05/03/16 11:14	1
Aniline	**5.4**	**J**	9.6	1.4	ug/L		04/30/16 08:23	05/03/16 11:14	1
Anthracene	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzidine	ND	F2	77	34	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzo[a]anthracene	ND		4.8	1.1	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzo[a]pyrene	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzo[b]fluoranthene	ND		4.8	1.2	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzo[g,h,i]perylene	ND		4.8	1.4	ug/L		04/30/16 08:23	05/03/16 11:14	1
Benzo[k]fluoranthene	ND		4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1
Bis(2-chloroethoxy)methane	ND		4.8	0.72	ug/L		04/30/16 08:23	05/03/16 11:14	1
Bis(2-chloroethyl)ether	ND		4.8	0.90	ug/L		04/30/16 08:23	05/03/16 11:14	1
Bis(2-ethylhexyl) phthalate	ND		9.6	1.2	ug/L		04/30/16 08:23	05/03/16 11:14	1
Butyl benzyl phthalate	ND		4.8	1.1	ug/L		04/30/16 08:23	05/03/16 11:14	1
Chrysene	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
Decane	ND		9.6	1.5	ug/L		04/30/16 08:23	05/03/16 11:14	1
Dibenz(a,h)anthracene	ND		4.8	1.4	ug/L		04/30/16 08:23	05/03/16 11:14	1
Diethyl phthalate	ND	F1 *	4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
Dimethyl phthalate	ND		4.8	0.88	ug/L		04/30/16 08:23	05/03/16 11:14	1
Di-n-butyl phthalate	**36**	**F1**	4.8	1.5	ug/L		04/30/16 08:23	05/03/16 11:14	1
Di-n-octyl phthalate	ND		4.8	1.2	ug/L		04/30/16 08:23	05/03/16 11:14	1
Fluoranthene	ND		4.8	1.5	ug/L		04/30/16 08:23	05/03/16 11:14	1
Fluorene	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
Hexachlorobenzene	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
Hexachlorobutadiene	ND		4.8	0.96	ug/L		04/30/16 08:23	05/03/16 11:14	1
Hexachlorocyclopentadiene	ND		4.8	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
Hexachloroethane	ND		4.8	0.58	ug/L		04/30/16 08:23	05/03/16 11:14	1
Indeno[1,2,3-cd]pyrene	ND		4.8	1.4	ug/L		04/30/16 08:23	05/03/16 11:14	1
Isophorone	ND		4.8	0.71	ug/L		04/30/16 08:23	05/03/16 11:14	1
Naphthalene	ND		4.8	0.83	ug/L		04/30/16 08:23	05/03/16 11:14	1
Nitrobenzene	ND		4.8	0.78	ug/L		04/30/16 08:23	05/03/16 11:14	1
N-Nitrosodimethylamine	ND		9.6	4.8	ug/L		04/30/16 08:23	05/03/16 11:14	1
N-Nitrosodi-n-propylamine	ND		4.8	0.86	ug/L		04/30/16 08:23	05/03/16 11:14	1
N-Nitrosodiphenylamine	ND		4.8	0.38	ug/L		04/30/16 08:23	05/03/16 11:14	1
n-Octadecane	ND		9.6	1.2	ug/L		04/30/16 08:23	05/03/16 11:14	1
Pentachlorophenol	ND		9.6	1.5	ug/L		04/30/16 08:23	05/03/16 11:14	1

Client Sample ID: BCC BSA SUMP_0416
Date Collected: 04/29/16 10:00
Date Received: 04/29/16 14:15

Lab Sample ID: 480-99333-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		4.8	1.2	ug/L		04/30/16 08:23	05/03/16 11:14	1
Phenol	ND		4.8	0.34	ug/L		04/30/16 08:23	05/03/16 11:14	1
Pyrene	ND	F1	4.8	1.3	ug/L		04/30/16 08:23	05/03/16 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*123*		*52 - 151*	*04/30/16 08:23*	*05/03/16 11:14*	*1*
2-Fluorobiphenyl	*109*		*44 - 120*	*04/30/16 08:23*	*05/03/16 11:14*	*1*
2-Fluorophenol	*53*		*17 - 120*	*04/30/16 08:23*	*05/03/16 11:14*	*1*
Nitrobenzene-d5	*111*		*42 - 120*	*04/30/16 08:23*	*05/03/16 11:14*	*1*
Phenol-d5	*37*		*10 - 120*	*04/30/16 08:23*	*05/03/16 11:14*	*1*
p-Terphenyl-d14	*91*		*22 - 125*	*04/30/16 08:23*	*05/03/16 11:14*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.058	0.037	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1221	ND		0.058	0.037	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1232	ND		0.058	0.037	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1242	ND		0.058	0.037	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1248	ND		0.058	0.037	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1254	ND		0.058	0.030	ug/L		04/30/16 08:28	05/02/16 22:09	1
PCB-1260	ND		0.058	0.030	ug/L		04/30/16 08:28	05/02/16 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*26 - 135*	*04/30/16 08:28*	*05/02/16 22:09*	*1*
Tetrachloro-m-xylene	*66*		*27 - 159*	*04/30/16 08:28*	*05/02/16 22:09*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0036**	**J**	0.0040	0.0010	mg/L		05/02/16 07:50	05/02/16 16:49	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		05/02/16 07:50	05/02/16 16:49	1
Lead	**0.0064**	**J**	0.010	0.0030	mg/L		05/02/16 07:50	05/02/16 16:49	1
Nickel	**0.0016**	**J**	0.010	0.0013	mg/L		05/02/16 07:50	05/02/16 16:49	1
Zinc	**0.0033**	**J**	0.010	0.0015	mg/L		05/02/16 07:50	05/02/16 16:49	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		05/03/16 09:20	05/03/16 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	**0.022**		0.010	0.0050	mg/L		05/05/16 20:41	05/06/16 11:25	1
Cyanide, Amenable	**0.030**		0.010	0.0050	mg/L			05/03/16 17:11	1
Phosphorus	**0.40**		0.010	0.0050	mg/L as P			05/02/16 10:20	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			04/29/16 16:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/05/16 09:00	1
pH	**8.48**	**HF**	0.100	0.100	SU			05/02/16 17:03	1

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

TestAmerica Job ID: 480-99333-1

Client Sample ID: TRIP BLANK
Date Collected: 04/29/16 00:00
Date Received: 04/29/16 14:15

Lab Sample ID: 480-99333-2
Matrix: Water

Method: 624 - 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			05/02/16 19:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/02/16 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/02/16 19:17	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/02/16 19:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/02/16 19:17	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/02/16 19:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/02/16 19:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/02/16 19:17	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/02/16 19:17	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/02/16 19:17	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/02/16 19:17	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/02/16 19:17	1
Acrolein	ND		100	17	ug/L			05/02/16 19:17	1
Acrylonitrile	ND		50	1.9	ug/L			05/02/16 19:17	1
Benzene	ND		5.0	0.60	ug/L			05/02/16 19:17	1
Bromoform	ND		5.0	0.47	ug/L			05/02/16 19:17	1
Bromomethane	ND		5.0	1.2	ug/L			05/02/16 19:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/02/16 19:17	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/02/16 19:17	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/02/16 19:17	1
Chloroethane	ND		5.0	0.87	ug/L			05/02/16 19:17	1
Chloroform	ND		5.0	0.54	ug/L			05/02/16 19:17	1
Chloromethane	ND		5.0	0.64	ug/L			05/02/16 19:17	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/02/16 19:17	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/02/16 19:17	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/02/16 19:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/02/16 19:17	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/02/16 19:17	1
Toluene	ND		5.0	0.45	ug/L			05/02/16 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/02/16 19:17	1
Trichloroethene	ND		5.0	0.60	ug/L			05/02/16 19:17	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/02/16 19:17	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/02/16 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*72 - 130*		*05/02/16 19:17*	*1*
4-Bromofluorobenzene (Surr)	*87*		*69 - 121*		*05/02/16 19:17*	*1*
Toluene-d8 (Surr)	*83*		*70 - 123*		*05/02/16 19:17*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*05/02/16 19:17*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-99333-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)	(70-130)
480-99333-1	BCC BSA SUMP_0416	86	86	83	89
480-99333-2	TRIP BLANK	86	87	83	89
LCS 480-299384/5	Lab Control Sample	84	88	83	90
MB 480-299384/55	Method Blank	85	87	83	89

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(42-120)	(10-120)	(22-125)
480-99333-1	BCC BSA SUMP_0416	123	109	53	111	37	91
480-99333-1 MS	BCC BSA SUMP_0416	118	98	77	99	64	104
480-99333-1 MSD	BCC BSA SUMP_0416	127	94	70	100	63	107
LCS 480-299164/2-A	Lab Control Sample	116	101	58	97	42	106
MB 480-299164/1-A	Method Blank	100	96	50	98	38	115

Surrogate Legend

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

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(26-135)	(27-159)
480-99333-1	BCC BSA SUMP_0416	46	66
LCS 480-299167/2-A	Lab Control Sample	56	90
MB 480-299167/1-A	Method Blank	71	88

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

TestAmerica Job ID: 480-99333-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-299384/55
Matrix: Water
Analysis Batch: 299384

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			05/02/16 15:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/02/16 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/02/16 15:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/02/16 15:32	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/02/16 15:32	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/02/16 15:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/02/16 15:32	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/02/16 15:32	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/02/16 15:32	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/02/16 15:32	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/02/16 15:32	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/02/16 15:32	1
Acrolein	ND		100	17	ug/L			05/02/16 15:32	1
Acrylonitrile	ND		50	1.9	ug/L			05/02/16 15:32	1
Benzene	ND		5.0	0.60	ug/L			05/02/16 15:32	1
Bromoform	ND		5.0	0.47	ug/L			05/02/16 15:32	1
Bromomethane	ND		5.0	1.2	ug/L			05/02/16 15:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/02/16 15:32	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/02/16 15:32	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/02/16 15:32	1
Chloroethane	ND		5.0	0.87	ug/L			05/02/16 15:32	1
Chloroform	ND		5.0	0.54	ug/L			05/02/16 15:32	1
Chloromethane	ND		5.0	0.64	ug/L			05/02/16 15:32	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/02/16 15:32	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/02/16 15:32	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/02/16 15:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/02/16 15:32	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/02/16 15:32	1
Toluene	ND		5.0	0.45	ug/L			05/02/16 15:32	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/02/16 15:32	1
Trichloroethene	ND		5.0	0.60	ug/L			05/02/16 15:32	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/02/16 15:32	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/02/16 15:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*72 - 130*		*05/02/16 15:32*	*1*
4-Bromofluorobenzene (Surr)	*87*		*69 - 121*		*05/02/16 15:32*	*1*
Toluene-d8 (Surr)	*83*		*70 - 123*		*05/02/16 15:32*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*05/02/16 15:32*	*1*

Lab Sample ID: LCS 480-299384/5
Matrix: Water
Analysis Batch: 299384

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	17.3		ug/L		86	52 - 162
1,1,2,2-Tetrachloroethane	20.0	16.2		ug/L		81	46 - 157
1,1,2-Trichloroethane	20.0	17.5		ug/L		87	52 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-299384/5
Matrix: Water
Analysis Batch: 299384

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	17.9		ug/L		90	59 - 155
1,1-Dichloroethene	20.0	16.0		ug/L		80	1 - 234
1,2-Dichlorobenzene	20.0	18.2		ug/L		91	18 - 190
1,2-Dichloroethane	20.0	18.3		ug/L		91	49 - 155
1,2-Dichloropropane	20.0	21.2		ug/L		106	1 - 210
1,3-Dichlorobenzene	20.0	18.3		ug/L		91	59 - 156
1,4-Dichlorobenzene	20.0	18.5		ug/L		93	18 - 190
2-Chloroethyl vinyl ether	20.0	23.5	J	ug/L		118	1 - 305
Benzene	20.0	18.7		ug/L		93	37 - 151
Bromoform	20.0	20.9		ug/L		105	45 - 169
Bromomethane	20.0	14.7		ug/L		73	1 - 242
Carbon tetrachloride	20.0	19.5		ug/L		97	70 - 140
Chlorobenzene	20.0	19.3		ug/L		96	37 - 160
Dibromochloromethane	20.0	19.1		ug/L		95	53 - 149
Chloroethane	20.0	14.9		ug/L		74	14 - 230
Chloroform	20.0	17.3		ug/L		87	51 - 138
Chloromethane	20.0	17.4		ug/L		87	1 - 273
cis-1,3-Dichloropropene	20.0	21.9		ug/L		109	1 - 227
Bromodichloromethane	20.0	18.8		ug/L		94	35 - 155
Ethylbenzene	20.0	17.5		ug/L		87	37 - 162
Methylene Chloride	20.0	17.5		ug/L		88	1 - 221
Tetrachloroethene	20.0	19.1		ug/L		95	64 - 148
Toluene	20.0	17.2		ug/L		86	47 - 150
trans-1,3-Dichloropropene	20.0	19.5		ug/L		98	17 - 183
Trichloroethene	20.0	18.8		ug/L		94	71 - 157
Trichlorofluoromethane	20.0	15.4		ug/L		77	17 - 181
Vinyl chloride	20.0	16.9		ug/L		85	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*72 - 130*
4-Bromofluorobenzene (Surr)	*88*		*69 - 121*
Toluene-d8 (Surr)	*83*		*70 - 123*
Dibromofluoromethane (Surr)	*90*		*70 - 130*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-299164/1-A
Matrix: Water
Analysis Batch: 299558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		04/30/16 08:23	05/03/16 09:25	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		04/30/16 08:23	05/03/16 09:25	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		04/30/16 08:23	05/03/16 09:25	1
1,4-Dichlorobenzene	ND		10	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-299164/1-A
Matrix: Water
Analysis Batch: 299558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		04/30/16 08:23	05/03/16 09:25	1
2-Chlorophenol	ND		5.0	0.66	ug/L		04/30/16 08:23	05/03/16 09:25	1
2-Nitrophenol	ND		5.0	0.70	ug/L		04/30/16 08:23	05/03/16 09:25	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		04/30/16 08:23	05/03/16 09:25	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		04/30/16 08:23	05/03/16 09:25	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		04/30/16 08:23	05/03/16 09:25	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		04/30/16 08:23	05/03/16 09:25	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		04/30/16 08:23	05/03/16 09:25	1
4-Nitrophenol	ND		10	10	ug/L		04/30/16 08:23	05/03/16 09:25	1
Acenaphthene	ND		5.0	0.81	ug/L		04/30/16 08:23	05/03/16 09:25	1
Acenaphthylene	ND		5.0	0.87	ug/L		04/30/16 08:23	05/03/16 09:25	1
Aniline	ND		10	1.5	ug/L		04/30/16 08:23	05/03/16 09:25	1
Anthracene	ND		5.0	1.4	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzidine	ND		80	35	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		04/30/16 08:23	05/03/16 09:25	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		04/30/16 08:23	05/03/16 09:25	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		04/30/16 08:23	05/03/16 09:25	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		04/30/16 08:23	05/03/16 09:25	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		04/30/16 08:23	05/03/16 09:25	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		04/30/16 08:23	05/03/16 09:25	1
Chrysene	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Decane	ND		10	1.6	ug/L		04/30/16 08:23	05/03/16 09:25	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		04/30/16 08:23	05/03/16 09:25	1
Diethyl phthalate	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		04/30/16 08:23	05/03/16 09:25	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		04/30/16 08:23	05/03/16 09:25	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		04/30/16 08:23	05/03/16 09:25	1
Fluoranthene	ND		5.0	1.6	ug/L		04/30/16 08:23	05/03/16 09:25	1
Fluorene	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
Hexachloroethane	ND		5.0	0.60	ug/L		04/30/16 08:23	05/03/16 09:25	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		04/30/16 08:23	05/03/16 09:25	1
Isophorone	ND		5.0	0.74	ug/L		04/30/16 08:23	05/03/16 09:25	1
Naphthalene	ND		5.0	0.86	ug/L		04/30/16 08:23	05/03/16 09:25	1
Nitrobenzene	ND		5.0	0.81	ug/L		04/30/16 08:23	05/03/16 09:25	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		04/30/16 08:23	05/03/16 09:25	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		04/30/16 08:23	05/03/16 09:25	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		04/30/16 08:23	05/03/16 09:25	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-299164/1-A
Matrix: Water
Analysis Batch: 299558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Octadecane	ND		10	1.2	ug/L		04/30/16 08:23	05/03/16 09:25	1
Pentachlorophenol	ND		10	1.6	ug/L		04/30/16 08:23	05/03/16 09:25	1
Phenanthrene	ND		5.0	1.2	ug/L		04/30/16 08:23	05/03/16 09:25	1
Phenol	ND		5.0	0.35	ug/L		04/30/16 08:23	05/03/16 09:25	1
Pyrene	ND		5.0	1.4	ug/L		04/30/16 08:23	05/03/16 09:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*52 - 151*	*04/30/16 08:23*	*05/03/16 09:25*	*1*
2-Fluorobiphenyl	*96*		*44 - 120*	*04/30/16 08:23*	*05/03/16 09:25*	*1*
2-Fluorophenol	*50*		*17 - 120*	*04/30/16 08:23*	*05/03/16 09:25*	*1*
Nitrobenzene-d5	*98*		*42 - 120*	*04/30/16 08:23*	*05/03/16 09:25*	*1*
Phenol-d5	*38*		*10 - 120*	*04/30/16 08:23*	*05/03/16 09:25*	*1*
p-Terphenyl-d14	*115*		*22 - 125*	*04/30/16 08:23*	*05/03/16 09:25*	*1*

Lab Sample ID: LCS 480-299164/2-A
Matrix: Water
Analysis Batch: 299558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	41.4		ug/L		83	44 - 142
1,2-Dichlorobenzene	50.0	39.0		ug/L		78	32 - 129
1,3-Dichlorobenzene	50.0	35.7		ug/L		71	1 - 172
1,4-Dichlorobenzene	50.0	37.4		ug/L		75	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	39.4		ug/L		79	36 - 166
2,4,6-Trichlorophenol	50.0	53.2		ug/L		106	37 - 144
2,4-Dichlorophenol	50.0	52.6		ug/L		105	39 - 135
2,4-Dimethylphenol	50.0	52.0		ug/L		104	32 - 119
2,4-Dinitrophenol	100	103		ug/L		103	1 - 191
2,4-Dinitrotoluene	50.0	61.1		ug/L		122	39 - 139
2,6-Dinitrotoluene	50.0	54.6		ug/L		109	50 - 158
2-Chloronaphthalene	50.0	49.1		ug/L		98	60 - 118
2-Chlorophenol	50.0	43.3		ug/L		87	23 - 134
2-Nitrophenol	50.0	50.9		ug/L		102	29 - 182
3,3'-Dichlorobenzidine	100	107		ug/L		107	1 - 262
4,6-Dinitro-2-methylphenol	100	112		ug/L		112	1 - 181
4-Bromophenyl phenyl ether	50.0	53.9		ug/L		108	53 - 127
4-Chloro-3-methylphenol	50.0	57.0		ug/L		114	22 - 147
4-Chlorophenyl phenyl ether	50.0	52.8		ug/L		106	25 - 158
4-Nitrophenol	100	87.7		ug/L		88	1 - 132
Acenaphthene	50.0	52.2		ug/L		104	47 - 145
Acenaphthylene	50.0	50.2		ug/L		100	33 - 145
Aniline	50.0	31.7		ug/L		63	40 - 120
Anthracene	50.0	54.1		ug/L		108	27 - 133
Benzo[a]anthracene	50.0	53.4		ug/L		107	33 - 143
Benzo[a]pyrene	50.0	56.2		ug/L		112	17 - 163
Benzo[b]fluoranthene	50.0	52.5		ug/L		105	24 - 159
Benzo[g,h,i]perylene	50.0	57.1		ug/L		114	1 - 219
Benzo[k]fluoranthene	50.0	59.9		ug/L		120	11 - 162

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-299164/2-A
Matrix: Water
Analysis Batch: 299558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	50.0	47.8		ug/L		96	33 - 184
Bis(2-chloroethyl)ether	50.0	41.1		ug/L		82	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	55.7		ug/L		111	8 - 158
Butyl benzyl phthalate	50.0	58.4		ug/L		117	1 - 152
Chrysene	50.0	52.8		ug/L		106	17 - 168
Dibenz(a,h)anthracene	50.0	55.9		ug/L		112	1 - 227
Diethyl phthalate	50.0	60.6	*	ug/L		121	1 - 114
Dimethyl phthalate	50.0	54.9		ug/L		110	1 - 112
Di-n-butyl phthalate	50.0	56.4		ug/L		113	1 - 118
Di-n-octyl phthalate	50.0	55.2		ug/L		110	4 - 146
Fluoranthene	50.0	54.2		ug/L		108	26 - 137
Fluorene	50.0	53.4		ug/L		107	59 - 121
Hexachlorobenzene	50.0	56.8		ug/L		114	1 - 152
Hexachlorocyclopentadiene	50.0	40.5		ug/L		81	5 - 120
Hexachloroethane	50.0	41.8		ug/L		84	40 - 113
Indeno[1,2,3-cd]pyrene	50.0	56.4		ug/L		113	1 - 171
Isophorone	50.0	50.2		ug/L		100	21 - 196
Naphthalene	50.0	45.5		ug/L		91	21 - 133
Nitrobenzene	50.0	48.5		ug/L		97	35 - 180
N-Nitrosodi-n-propylamine	50.0	48.2		ug/L		96	1 - 230
N-Nitrosodiphenylamine	50.0	52.4		ug/L		105	54 - 125
Pentachlorophenol	100	99.5		ug/L		100	14 - 176
Phenanthrene	50.0	54.0		ug/L		108	54 - 120
Phenol	50.0	23.9		ug/L		48	5 - 112
Pyrene	50.0	56.9		ug/L		114	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*116*		*52 - 151*
2-Fluorobiphenyl	*101*		*44 - 120*
2-Fluorophenol	*58*		*17 - 120*
Nitrobenzene-d5	*97*		*42 - 120*
Phenol-d5	*42*		*10 - 120*
p-Terphenyl-d14	*106*		*22 - 125*

Lab Sample ID: 480-99333-1 MS
Matrix: Water
Analysis Batch: 299558

Client Sample ID: BCC BSA SUMP_0416
Prep Type: Total/NA
Prep Batch: 299164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		100	84.5		ug/L		84	44 - 142
1,2-Dichlorobenzene	ND		100	91.3		ug/L		91	32 - 129
1,3-Dichlorobenzene	ND		100	86.9		ug/L		87	1 - 172
1,4-Dichlorobenzene	ND		100	86.8		ug/L		87	20 - 124
2,2'-oxybis[1-chloropropane]	ND		100	87.9		ug/L		88	36 - 166
2,4,6-Trichlorophenol	ND		100	106		ug/L		106	37 - 144
2,4-Dichlorophenol	ND		100	105		ug/L		105	39 - 135
2,4-Dimethylphenol	ND		100	109		ug/L		109	32 - 119
2,4-Dinitrophenol	ND		200	214		ug/L		107	1 - 191

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-99333-1 MS
Matrix: Water
Analysis Batch: 299558

Client Sample ID: BCC BSA SUMP_0416
Prep Type: Total/NA
Prep Batch: 299164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	ND		100	120		ug/L		120	39 - 139
2,6-Dinitrotoluene	ND		100	116		ug/L		116	50 - 158
2-Chloronaphthalene	ND		100	95.5		ug/L		95	60 - 118
2-Chlorophenol	1.6	J	100	96.4		ug/L		95	23 - 134
2-Nitrophenol	ND		100	109		ug/L		109	29 - 182
3,3'-Dichlorobenzidine	ND		200	203		ug/L		102	1 - 262
4,6-Dinitro-2-methylphenol	ND		200	223		ug/L		111	1 - 181
4-Bromophenyl phenyl ether	ND		100	102		ug/L		102	53 - 127
4-Chloro-3-methylphenol	ND		100	120		ug/L		120	22 - 147
4-Chlorophenyl phenyl ether	ND		100	107		ug/L		107	25 - 158
4-Nitrophenol	ND		200	240		ug/L		120	1 - 132
Acenaphthene	1.5	J	100	102		ug/L		100	47 - 145
Acenaphthylene	ND		100	101		ug/L		101	33 - 145
Aniline	5.4	J	100	79.9		ug/L		74	40 - 120
Anthracene	ND		100	110		ug/L		110	27 - 133
Benzo[a]anthracene	ND		100	110		ug/L		110	33 - 143
Benzo[a]pyrene	ND		100	110		ug/L		110	17 - 163
Benzo[b]fluoranthene	ND		100	110		ug/L		110	24 - 159
Benzo[g,h,i]perylene	ND		100	107		ug/L		107	1 - 219
Benzo[k]fluoranthene	ND		100	107		ug/L		107	11 - 162
Bis(2-chloroethoxy)methane	ND		100	97.2		ug/L		97	33 - 184
Bis(2-chloroethyl)ether	ND		100	91.0		ug/L		91	12 - 158
Bis(2-ethylhexyl) phthalate	ND		100	114		ug/L		114	8 - 158
Butyl benzyl phthalate	ND		100	125		ug/L		125	1 - 152
Chrysene	ND		100	107		ug/L		107	17 - 168
Dibenz(a,h)anthracene	ND		100	107		ug/L		107	1 - 227
Diethyl phthalate	ND	F1 *	100	117	F1	ug/L		117	1 - 114
Dimethyl phthalate	ND		100	107		ug/L		107	1 - 112
Di-n-butyl phthalate	36	F1	100	150		ug/L		114	1 - 118
Di-n-octyl phthalate	ND		100	113		ug/L		113	4 - 146
Fluoranthene	ND		100	109		ug/L		109	26 - 137
Fluorene	ND		100	106		ug/L		106	59 - 121
Hexachlorobenzene	ND		100	108		ug/L		108	1 - 152
Hexachlorocyclopentadiene	ND		100	88.9		ug/L		89	5 - 120
Hexachloroethane	ND		100	94.3		ug/L		94	40 - 113
Indeno[1,2,3-cd]pyrene	ND		100	108		ug/L		108	1 - 171
Isophorone	ND		100	105		ug/L		105	21 - 196
Naphthalene	ND		100	92.0		ug/L		92	21 - 133
Nitrobenzene	ND		100	105		ug/L		105	35 - 180
N-Nitrosodi-n-propylamine	ND		100	105		ug/L		105	1 - 230
N-Nitrosodiphenylamine	ND		100	103		ug/L		103	54 - 125
Pentachlorophenol	ND		200	201		ug/L		101	14 - 176
Phenanthrene	ND		100	106		ug/L		106	54 - 120
Phenol	ND		100	72.2		ug/L		72	5 - 112
Pyrene	ND	F1	100	115		ug/L		115	52 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*118*		*52 - 151*

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-99333-1 MS
Matrix: Water
Analysis Batch: 299558

Client Sample ID: BCC BSA SUMP_0416
Prep Type: Total/NA
Prep Batch: 299164

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*44 - 120*
2-Fluorophenol	*77*		*17 - 120*
Nitrobenzene-d5	*99*		*42 - 120*
Phenol-d5	*64*		*10 - 120*
p-Terphenyl-d14	*104*		*22 - 125*

Lab Sample ID: 480-99333-1 MSD
Matrix: Water
Analysis Batch: 299558

Client Sample ID: BCC BSA SUMP_0416
Prep Type: Total/NA
Prep Batch: 299164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		100	86.9		ug/L		87	44 - 142	3	34
1,2-Dichlorobenzene	ND		100	83.0		ug/L		83	32 - 129	10	38
1,3-Dichlorobenzene	ND		100	78.2		ug/L		78	1 - 172	10	37
1,4-Dichlorobenzene	ND		100	77.4		ug/L		77	20 - 124	12	40
2,2'-oxybis[1-chloropropane]	ND		100	85.6		ug/L		86	36 - 166	3	36
2,4,6-Trichlorophenol	ND		100	101		ug/L		101	37 - 144	5	20
2,4-Dichlorophenol	ND		100	113		ug/L		113	39 - 135	7	23
2,4-Dimethylphenol	ND		100	113		ug/L		113	32 - 119	3	18
2,4-Dinitrophenol	ND		200	226		ug/L		113	1 - 191	6	29
2,4-Dinitrotoluene	ND		100	117		ug/L		117	39 - 139	2	20
2,6-Dinitrotoluene	ND		100	110		ug/L		110	50 - 158	5	17
2-Chloronaphthalene	ND		100	95.4		ug/L		95	60 - 118	0	30
2-Chlorophenol	1.6	J	100	91.8		ug/L		90	23 - 134	5	26
2-Nitrophenol	ND		100	103		ug/L		103	29 - 182	6	28
3,3'-Dichlorobenzidine	ND		200	210		ug/L		105	1 - 262	3	31
4,6-Dinitro-2-methylphenol	ND		200	224		ug/L		112	1 - 181	1	30
4-Bromophenyl phenyl ether	ND		100	109		ug/L		109	53 - 127	6	16
4-Chloro-3-methylphenol	ND		100	123		ug/L		123	22 - 147	2	16
4-Chlorophenyl phenyl ether	ND		100	107		ug/L		107	25 - 158	0	15
4-Nitrophenol	ND		200	250		ug/L		125	1 - 132	4	24
Acenaphthene	1.5	J	100	101		ug/L		100	47 - 145	1	25
Acenaphthylene	ND		100	95.9		ug/L		96	33 - 145	6	22
Aniline	5.4	J	100	76.5		ug/L		71	40 - 120	4	30
Anthracene	ND		100	109		ug/L		109	27 - 133	1	15
Benzo[a]anthracene	ND		100	113		ug/L		113	33 - 143	2	15
Benzo[a]pyrene	ND		100	114		ug/L		114	17 - 163	4	15
Benzo[b]fluoranthene	ND		100	116		ug/L		116	24 - 159	5	17
Benzo[g,h,i]perylene	ND		100	114		ug/L		114	1 - 219	6	19
Benzo[k]fluoranthene	ND		100	112		ug/L		112	11 - 162	5	19
Bis(2-chloroethoxy)methane	ND		100	96.6		ug/L		97	33 - 184	1	23
Bis(2-chloroethyl)ether	ND		100	88.3		ug/L		88	12 - 158	3	33
Bis(2-ethylhexyl) phthalate	ND		100	120		ug/L		120	8 - 158	6	15
Butyl benzyl phthalate	ND		100	125		ug/L		125	1 - 152	0	15
Chrysene	ND		100	112		ug/L		112	17 - 168	4	15
Dibenz(a,h)anthracene	ND		100	113		ug/L		113	1 - 227	5	18
Diethyl phthalate	ND	F1 *	100	119	F1	ug/L		119	1 - 114	2	15
Dimethyl phthalate	ND		100	108		ug/L		108	1 - 112	1	15

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-99333-1 MSD | **Client Sample ID: BCC BSA SUMP_0416**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 299558 | **Prep Batch: 299164**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	36	F1	100	156	F1	ug/L		120	1 - 118	4	15
Di-n-octyl phthalate	ND		100	118		ug/L		118	4 - 146	4	15
Fluoranthene	ND		100	112		ug/L		112	26 - 137	3	15
Fluorene	ND		100	104		ug/L		104	59 - 121	2	18
Hexachlorobenzene	ND		100	113		ug/L		113	1 - 152	4	15
Hexachlorocyclopentadiene	ND		100	82.3		ug/L		82	5 - 120	8	50
Hexachloroethane	ND		100	87.6		ug/L		88	40 - 113	7	43
Indeno[1,2,3-cd]pyrene	ND		100	112		ug/L		112	1 - 171	4	17
Isophorone	ND		100	106		ug/L		106	21 - 196	1	21
Naphthalene	ND		100	95.2		ug/L		95	21 - 133	4	31
Nitrobenzene	ND		100	101		ug/L		101	35 - 180	4	27
N-Nitrosodi-n-propylamine	ND		100	103		ug/L		103	1 - 230	2	23
N-Nitrosodiphenylamine	ND		100	106		ug/L		106	54 - 125	2	15
Pentachlorophenol	ND		200	220		ug/L		110	14 - 176	9	21
Phenanthrene	ND		100	107		ug/L		107	54 - 120	1	16
Phenol	ND		100	71.1		ug/L		71	5 - 112	2	36
Pyrene	ND	F1	100	119	F1	ug/L		119	52 - 115	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*127*		*52 - 151*
2-Fluorobiphenyl	*94*		*44 - 120*
2-Fluorophenol	*70*		*17 - 120*
Nitrobenzene-d5	*100*		*42 - 120*
Phenol-d5	*63*		*10 - 120*
p-Terphenyl-d14	*107*		*22 - 125*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-299167/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 299468 | **Prep Batch: 299167**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1221	ND		0.060	0.038	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1232	ND		0.060	0.038	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1242	ND		0.060	0.038	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1248	ND		0.060	0.038	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1254	ND		0.060	0.031	ug/L		04/30/16 08:28	05/02/16 19:49	1
PCB-1260	ND		0.060	0.031	ug/L		04/30/16 08:28	05/02/16 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*26 - 135*	*04/30/16 08:28*	*05/02/16 19:49*	*1*
Tetrachloro-m-xylene	*88*		*27 - 159*	*04/30/16 08:28*	*05/02/16 19:49*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 480-299167/2-A
Matrix: Water
Analysis Batch: 299468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.04		ug/L		104	40 - 142
PCB-1260	1.00	0.976		ug/L		98	67 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*26 - 135*
Tetrachloro-m-xylene	*90*		*27 - 159*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-299180/1-A
Matrix: Water
Analysis Batch: 299543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		05/02/16 07:50	05/02/16 16:43	1
Copper	ND		0.010	0.0016	mg/L		05/02/16 07:50	05/02/16 16:43	1
Lead	ND		0.010	0.0030	mg/L		05/02/16 07:50	05/02/16 16:43	1
Nickel	ND		0.010	0.0013	mg/L		05/02/16 07:50	05/02/16 16:43	1
Zinc	ND		0.010	0.0015	mg/L		05/02/16 07:50	05/02/16 16:43	1

Lab Sample ID: LCS 480-299180/2-A
Matrix: Water
Analysis Batch: 299543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.186		mg/L		93	85 - 115
Copper	0.200	0.192		mg/L		96	85 - 115
Lead	0.200	0.189		mg/L		94	85 - 115
Nickel	0.200	0.189		mg/L		95	85 - 115
Zinc	0.200	0.185		mg/L		93	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-299454/1-A
Matrix: Water
Analysis Batch: 299796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/03/16 09:20	05/03/16 13:23	1

Lab Sample ID: LCS 480-299454/2-A
Matrix: Water
Analysis Batch: 299796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00653		mg/L		98	85 - 115

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-300253/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 300429 — **Prep Batch: 300253**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		05/05/16 20:41	05/06/16 09:31	1

Lab Sample ID: LCS 480-300253/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 300429 — **Prep Batch: 300253**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.110		mg/L		110	90 - 110

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

Lab Sample ID: MB 480-300087/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 300087

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/05/16 09:00	1

Lab Sample ID: LCS 480-300087/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 300087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	233	227.6		mg/L		98	88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-299486/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 299486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	6.980		SU		100	99 - 101

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-299357/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 299357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			05/02/16 10:20	1

Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: LCS 480-299357/28
Matrix: Water
Analysis Batch: 299357

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	0.182		mg/L as P		91	90 - 110

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-299138/1
Matrix: Water
Analysis Batch: 299138

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			04/29/16 16:41	1

Lab Sample ID: LCS 480-299138/2
Matrix: Water
Analysis Batch: 299138

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	215.3		mg/L		109	85 - 115

GC/MS VOA

Analysis Batch: 299384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	624	
480-99333-2	TRIP BLANK	Total/NA	Water	624	
LCS 480-299384/5	Lab Control Sample	Total/NA	Water	624	
MB 480-299384/55	Method Blank	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 299164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	625	
480-99333-1 MS	BCC BSA SUMP_0416	Total/NA	Water	625	
480-99333-1 MSD	BCC BSA SUMP_0416	Total/NA	Water	625	
LCS 480-299164/2-A	Lab Control Sample	Total/NA	Water	625	
MB 480-299164/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 299558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	625	299164
480-99333-1 MS	BCC BSA SUMP_0416	Total/NA	Water	625	299164
480-99333-1 MSD	BCC BSA SUMP_0416	Total/NA	Water	625	299164
LCS 480-299164/2-A	Lab Control Sample	Total/NA	Water	625	299164
MB 480-299164/1-A	Method Blank	Total/NA	Water	625	299164

GC Semi VOA

Prep Batch: 299167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	3510C	
LCS 480-299167/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-299167/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 299468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	608	299167
LCS 480-299167/2-A	Lab Control Sample	Total/NA	Water	608	299167
MB 480-299167/1-A	Method Blank	Total/NA	Water	608	299167

Metals

Prep Batch: 299180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	200.7	
LCS 480-299180/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-299180/1-A	Method Blank	Total/NA	Water	200.7	

Prep Batch: 299454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	245.1	
LCS 480-299454/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 480-299454/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 299543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	200.7 Rev 4.4	299180
LCS 480-299180/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	299180
MB 480-299180/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	299180

Analysis Batch: 299796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	245.1	299454
LCS 480-299454/2-A	Lab Control Sample	Total/NA	Water	245.1	299454
MB 480-299454/1-A	Method Blank	Total/NA	Water	245.1	299454

General Chemistry

Analysis Batch: 299138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	SM 5210B	
LCS 480-299138/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-299138/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 299357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	SM 4500 P E	
LCS 480-299357/28	Lab Control Sample	Total/NA	Water	SM 4500 P E	
MB 480-299357/27	Method Blank	Total/NA	Water	SM 4500 P E	

Analysis Batch: 299486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	SM 4500 H+ B	
LCS 480-299486/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 299741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	SM 4500 CN G	

Analysis Batch: 300087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	SM 2540D	
LCS 480-300087/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-300087/1	Method Blank	Total/NA	Water	SM 2540D	

Prep Batch: 300253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	Distill/Phenol	
LCS 480-300253/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-300253/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 300429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99333-1	BCC BSA SUMP_0416	Total/NA	Water	420.1	300253
LCS 480-300253/2-A	Lab Control Sample	Total/NA	Water	420.1	300253
MB 480-300253/1-A	Method Blank	Total/NA	Water	420.1	300253

Lab Chronicle

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

TestAmerica Job ID: 480-99333-1

Client Sample ID: BCC BSA SUMP_0416

Lab Sample ID: 480-99333-1

Date Collected: 04/29/16 10:00

Matrix: Water

Date Received: 04/29/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	299384	05/02/16 18:54	RJF	TAL BUF
Total/NA	Prep	625			299164	04/30/16 08:23	RMZ	TAL BUF
Total/NA	Analysis	625		1	299558	05/03/16 11:14	CAV	TAL BUF
Total/NA	Prep	3510C			299167	04/30/16 08:28	RMZ	TAL BUF
Total/NA	Analysis	608		1	299468	05/02/16 22:09	KS	TAL BUF
Total/NA	Prep	200.7			299180	05/02/16 07:50	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	299543	05/02/16 16:49	AMH	TAL BUF
Total/NA	Prep	245.1			299454	05/03/16 09:20	TAS	TAL BUF
Total/NA	Analysis	245.1		1	299796	05/03/16 14:09	TAS	TAL BUF
Total/NA	Prep	Distill/Phenol			300253	05/05/16 20:41	CLT	TAL BUF
Total/NA	Analysis	420.1		1	300429	05/06/16 11:25	ELR	TAL BUF
Total/NA	Analysis	SM 2540D		1	300087	05/05/16 09:00	ELR	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	299741	05/03/16 17:11	KMF	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	299486	05/02/16 17:03	JJK	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	299357	05/02/16 10:20	RP	TAL BUF
Total/NA	Analysis	SM 5210B		1	299138	04/29/16 16:41	CLT	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-99333-2

Date Collected: 04/29/16 00:00

Matrix: Water

Date Received: 04/29/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	299384	05/02/16 19:17	RJF	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-99333-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

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

Method Summary

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

TestAmerica Job ID: 480-99333-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	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

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",

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-99333-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-99333-1	BCC BSA SUMP_0416	Water	04/29/16 10:00	04/29/16 14:15
480-99333-2	TRIP BLANK	Water	04/29/16 00:00	04/29/16 14:15

Detection Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.
TestAmerica Job ID: 480-99333-1
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	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	2,4-Dinitrotoluene	ug/L	5.0	10
625	Water	4-Nitrophenol	ug/L	10	15
625	Water	Hexachlorocyclopentadiene	ug/L	5.0	10

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	**Project Manager: Schove, John**	**Site Contact: Tom Wagner**	**Date:** 4-29-16
Ontario Specialty Contracting Inc.	**Tel/Fax: (716) 912-9926**	**Lab Contact: Schove, John**	**Carrier:** QSC
333 Ganson Street	**Analysis Turnaround Time**		
Buffalo, NY. 14203	Calendar (C) or Work Days (W)		
716-856-3333 Phone	TAT		
716-842-1630 FAX	[X] 2 weeks		
Project Name: Buffalo Color GWTF Sump	[ ] 1 week		
Site: HoneyWell Buffalo Color - NYC915230	[ ] 2 days		
PO# 52954	[ ] 1 day		

COC No: 480-44760-6057.1.0416
1 of 1 COCs
Job No. 0913-OMM

Flow Rates (GPM)
EW-1: 7.58
EW-2: 1.04
EW-3A: 4.38
EW-4: 1.09
EW-5: 1.07

Composite Percent (%)
DC-1: 65
DC-2: 35

Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	4500_P_E - Phosphorus	200.7, 245.1	420.4 - Phenolics, Total Recoverable	624_5ml - (MOD) Priority Pollutant List - VOA - 62	608_PCB - Priority Pollutant PCBs	625 - (MOD) Priority Pollutant List - SVOA - 6	5210B - Biochemical Oxygen Demand	2540D - Total Suspended Solids	SM4500CN_G_Calc - Local Method	SM4500_H+ - pH	Sample Specific Notes:
BCC_BSA_Sump_0416	4/29-16	1000	C	W	19	N	1	1	1	8	2	2	1	1	1	1	Lab to composite 624 for BCC BSA Sump samples prior to analysis
Trip Blank	N/A	N/A	N/A	N/A	2					2							
Container Volume (ml)							250	250	250	40	1000	1000	1000	500	250	125	
Preservation: 1= Ice 2= HCl (Hydrochloric) 3= H2SO4 (Sulfuric) 4=HNO3 (Nitric) 5=NaOH (Sodium Hydroxide) 6=Other							3-P	4-P	3-A	2-V	1-A	1-A	1-P	1-P	5-P	1-P	

480-99333 Chain of Custody

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [X] Unknown

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

Special Instructions/QC Requirements & Comments:

Temp 3.8 #1

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

Relinquished by: Tom Wagner	Company: QSC	Date/Time: 4/29/16 1415	Received by:	Company: TA	Date/Time: 4-29-16 1415
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

5/9/2016

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-99333-1

Login Number: 99333

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	True	Yes: Samples checked, no residual chlorine detected

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	Comments
4/1/2016	TW	48	46	32	25	48	28	18.7	23	18	17	17	7.55	14	19.8	15,602,020	13	21.4	11,557,101	14	6	10				Water #3 vault
4/11/2016	TW	45	41	33	27	40	19	17.7	19	14	13	12	6.86	12	17.5	15,660,306	11	18.1	11,587,009	16	4	9				Water #3 vault
4/15/2016	TW	47	44	33	28	45	27	17.4	21	18	17	16	7.48	14	16.7	15,717,285	13	20.5	11,647,395	18	5	10				Water #3 vault
4/22/2016	TW	48	48	32	25	49	29	7.38	24	19	20	17	18.7	15	19.9	15,798,156	14	20.9	11,696,124	18	4	8	2	3	y	
5/2/2016	TW	48	46	33	25	48	28	7.33	22	16	17	15	16.7	12	18.3	15,894,333	12	18.3	11,755,419	15	5	9	3	3	y	
5/6/2016	TW	48	46	33	24	48	27	7.48	22	17	18	15	16.8	13	18.5	15,943,199	13	18.9	11,787,330	16	3	8	3	3	y	
5/12/2016	TW	49	47	33	28	49	27	7.43	21	17	18	15	16.5	13	18.4	16,029,032	13	20.6	11,829,560	19	3	9	2	4	y	
5/20/2016	TW	48	45	32	22	47	26	16.2	20	16	18	15	7.36	13	17.9	16,082,387	13	23	11,861,372	21	3	12	2	4	y	
5/27/2016	TW	48	47	33	27	48	25	16.1	22	17	18	16	7.49	13	17.8	16,150,585	13	26.2	11,905,014	26	3	12	2	4	y	
6/3/2016	TW	48	48	32	27	44	26	16.4	22	18	19	17	7.34	14	17.6	16,202,310	13	27.5	11,935,454	26	3	13	2	3	y	
6/10/2016	TW	49	49	33	27	46	30	15.7	25	17	18	15	7.34	13	16.7	16,273,561	13	26.1	11,976,461	24	3	13	2	3	y	
6/17/2016	TW	49	48	33	25	32	24	15.7	21	16	18	15	7.31	13	17.2	16,338,928	13	24.7	12,014,491	23	3	12	2	3	y	
6/24/2016	TW	48	48	33	22	45	27	15.9	22	17	19	16	7.27	14	17.2	16,396,160	14	23.3	12,046,437	21	2	10	2	2	y	
7/1/2016	TW	49	48	32	23	46	23	14.7	20	15	17	15	7.28	12	16.3	16,451,242	12	24.6	12,082,347	22	3	11	2	2	y	

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
4/1/2016					1	1		1	1	1			
4/2/2016													
4/3/2016													
4/4/2016									1	1			
4/5/2016								1		1			
4/6/2016								0.5	1		1	1	
4/7/2016		1											Change carbon 1b (cyclecorb)
4/8/2016													
4/9/2016													
4/10/2016													
4/11/2016						1		1	1	1	1	1	
4/12/2016										1			
4/13/2016								1		1	1		Acid #4 "A"
4/14/2016											1		Bleach #5 "A"
4/15/2016					1	1		1	1	1			
4/16/2016													
4/17/2016													
4/18/2016								1	1	1			
4/19/2016										1			
4/20/2016								1	1			1	
4/21/2016							1				1		
4/22/2016					1	1		1	1	1			
4/23/2016													
4/24/2016													
4/25/2016								1	1	1			
4/26/2016					1	1	1	1	1	1	1	1	Gac Sample
4/27/2016								0.5	1	1			
4/28/2016													
4/29/2016								0.5	1	1			
4/30/2016													
5/1/2016													
5/2/2016								1	1	2			
5/3/2016									1				Acid #4 "A"
5/4/2016								1	1	1			
5/5/2016							1			1	1	1	
5/6/2016					1	1		1	1	1			
5/7/2016													
5/8/2016													
5/9/2016								1	2	1			
5/10/2016									1	1			
5/11/2016													
5/12/2016					1	1	1	1	1	1	1		
5/13/2016													
5/14/2016													
5/15/2016													
5/16/2016								1	1	2	1		
5/17/2016									1				
5/18/2016			1					0.5	1	2	1	1	
5/19/2016							1	1	2	2			
5/20/2016								1	1	1			
5/21/2016													
5/22/2016													
5/23/2016								1	1	1			
5/24/2016									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
5/25/2016								0.5		1			
5/26/2016								0.5		1			
5/27/2016					1	1	1	1	1	1	1	1	
5/28/2016													
5/29/2016													
5/30/2016													
5/31/2016								1	1	1			
6/1/2016								0.5	1	1			
6/2/2016							1		1	1	1		
6/3/2016					1	1		1	1	1			
6/4/2016													
6/5/2016													
6/6/2016								1	2	2			Bleach #5 - Acid #4
6/7/2016								0.5		1			Clean M M filter
6/8/2016								0.5	1	1			"D" Sample - run
6/9/2016							1				1	1	
6/10/2016					1	1		1	1	1			
6/11/2016													
6/12/2016													
6/13/2016								1	1	1			Change pump #4 "A"
6/14/2016										1			
6/15/2016								1	1				
6/16/2016							1	0.5		1			
6/17/2016					1	1		1	1	1			
6/18/2016													
6/19/2016													
6/20/2016								1	1	2			
6/21/2016									1	2			Clean lines #5&1- Tank 10
6/22/2016								1	2	2			
6/23/2016							1	0.5	1	1	1	1	
6/24/2016					1	1		1	1	1			
6/25/2016													
6/26/2016													
6/27/2016								1	1	1			
6/28/2016								0.5		1			
6/29/2016								1	1	1			
6/30/2016							1	0.5		1	1		
7/1/2016					1	1		1	1	1			

November 7, 2016

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 #14-06-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, 2016 through September 30, 2016. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #14-06BU109.

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
Daniel Forlastro	AMEC Environment & Infrastructure

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

B.P.D.E.S. Permit No. #14-06-BU109
Former Buffalo Color Corporation Site
South Buffalo Development Corporation LLC (SBD)
Reporting Period: July 1, 2016 through September 30, 2016

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 Effluent No. 1 and Effluent No. 2 flow totalizers, which includes 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 2016	285,570 gallons
August 2016	304,396 gallons
September 2016	419,432 gallons

Total Quarterly Discharge 1,009,398 gallons

Estimated Area D contribution this period:
5,687 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.	14-06-BU109	Effective June 1, 2014
Sample Date:	7/7/2016	
Sample Location:	Onsite Pump Station to BSA	

Year: 2016
Month: SEP

Event Group: SUMP
Lab Job ID: J102747-1

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	8.25	0.100	SU	8.25	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.010	0.010	mg/L	0.001	lbs/day	1.67	lbs/day	Yes	20	0.010	Yes
Total Chromium	7440-47-3	0.0034	0.0040	mg/L	0.0003	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0031	0.010	mg/L	0.000	lbs/day	0.67	lbs/day	Yes	16	0.0031	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	0.0020	0.010	mg/L	0.0002	lbs/day	1.17	lbs/day	Yes	14	0.0020	Yes
Zinc	7440-66-6	0.0110	0.010	mg/L	0.001	lbs/day	2.046	lbs/day	Yes	25	0.011	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	0.059	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	4.1	1900	ug/L	0.0003	lbs/day	50	lbs/day	Yes			
Benzene	71-43-2	ND	25	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	0.9	25	ug/L	0.0001	lbs/day	0.129	lbs/day	Yes	0.31	0.00	Yes
1,2-Dichlorobenzene	95-50-1	ND	9.4	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	4.7	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	0.47	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Max Individual Purgeables*	Max Method_E624	1	25	ug/L	0.001	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	0.480	0.010	mg/L	0.480	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	6.57	-	gpm	9,460	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

Flow Calculations

Combined Effluent No. 1 and No. 2 Flow Totals (gallons)

Initial Reading	28,533,589	7/1/2016
Final Reading	29,394,455	9/30/2016
Total Days in Period	91	
Total Flow for Period	**860,866**	gallons
Average Flow for Period	**6.57**	gpm

BSA Discharge Permit

BUFFALO SEWER AUTHORITY

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) 883-1820

February 11, 2014

Andrew Madden
Manager
South Buffalo Development, LLC.
333 Ganson Street
Buffalo, New York 14203

Re: BPDES Permit No. 14-06-BU109

Dear Mr. Madden:

Enclosed is your BPDES Permit No. 14-06-BU109. This permit is issued by the BSA and allows your facility to discharge process wastes to the sanitary sewers.

This original permit must be maintained at your Buffalo 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 six (6) months before this permit expires.

If you have any questions, please call Dennis W. Young at 851-4664, ext. 5256.

Very truly yours,

By: Leslie Sedita

Leslie Sedita
Industrial Waste Administrator
Industrial Waste Section

cc: M. Letina

I\WPD\JK\SBDLLC1406bu109permitltr

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO. 14-06-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 4, 2014** 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, 2014

To Expire May 31, 2017

General Manager

Signed this 16th **day of** February **, 2014**

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[1]	5.0 - 12.0 SU		Probe	**Quarterly**
	Total Flow	50,000 gals		Flow Meter[2]	**Continuous**
	BOD_5	250 mg/L [3]		Composite [4]	**Quarterly**
	Total Suspended Solids	250 mg/L [3]		Composite	**Quarterly**
	Total Phosphate	15.35 mg/L[3]		Composite	**Quarterly**
	Total Phenol[5]	1.67 lbs	20.0	Composite	**Quarterly**
	Amenable Cyanide	2.59 lbs	6.2	Grab [7]	**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	[6]		Grab[7]	**Quarterly**
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	[8]		Composite	**Quarterly**
	Total PCB's	0.000 lbs	0.002	Composite	**Quarterly**
	Aniline	50.0 lbs	0.00	Composite	**Quarterly**
	Benzene	0.059 lbs	0.142 mg/L	Composite	**Quarterly**
	Chlorobenzene	0.129 lbs	0.310 mg/L	Composite	**Quarterly**
	1, 2-Dichlorbenzene	0.197 lbs.	0.472 mg/L	Composite	**Quarterly**
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Composite	**Quarterly**
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Naphthalene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Anthracene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	**Maid***	**Type**	**Frequency**
	Fluorene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Phenanthrene	0.131 lbs.	0.314 mg/L	Composite	**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	
		Initial Report	**Subsequent Reports**
001	All analytes	July 31, 2011	Every July 31, October 31, January 31, April 30**

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

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 that 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.

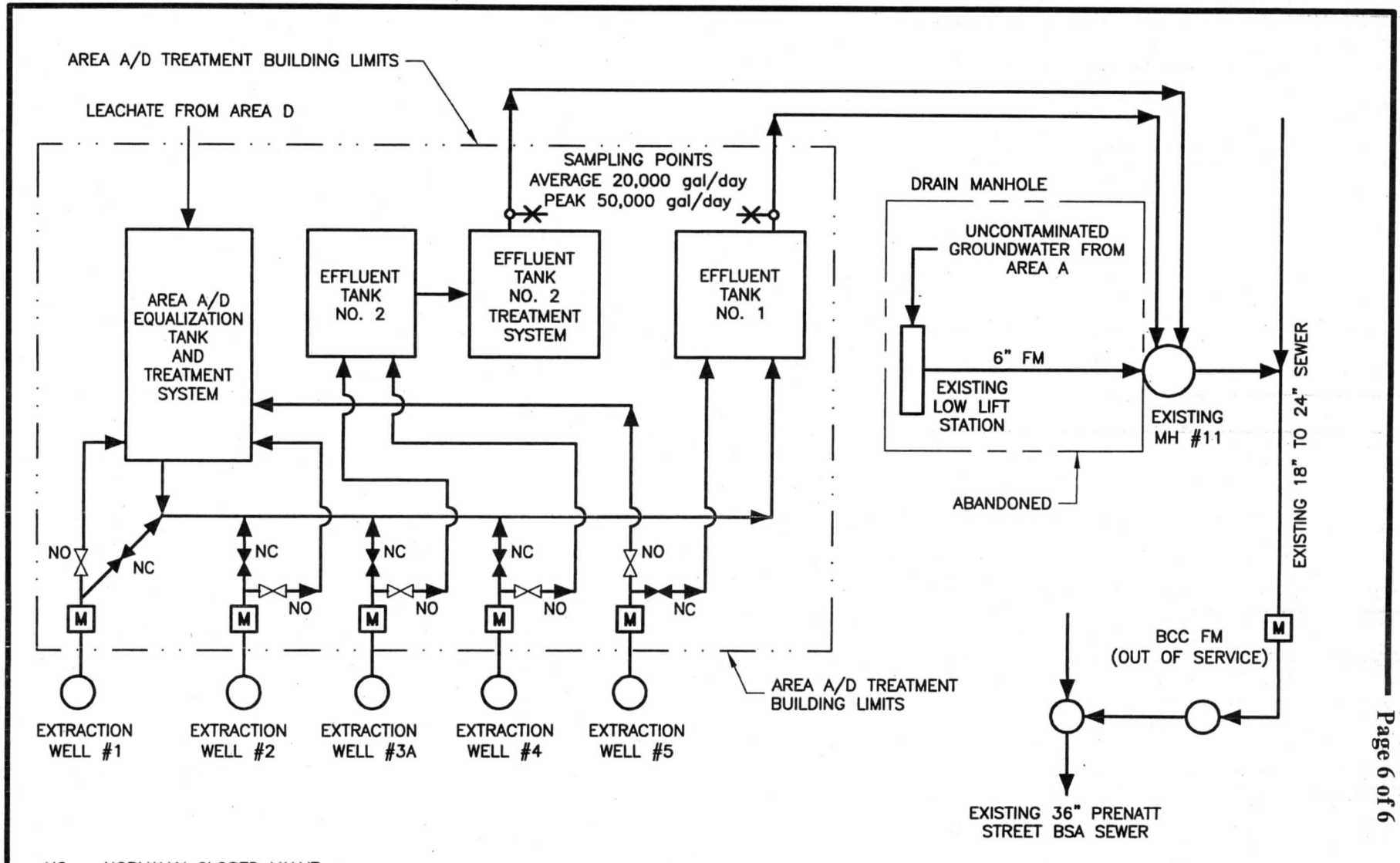
(4) Composite samples may be flow proportioned.

(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 that 0.01 mg/L.



FORMER BUFFALO COLOR CORPORATION
SITE
BUFFALO, NY

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

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 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 the possibility of fine and imprisonment for knowing violations."

B. PERMITTEE REQUIREMENTS

1. Change in Discharge [revised 08/2013]

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. A Baseline Monitoring Report shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet".

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. Spill Prevention and Control Plan [added 08/2013]

The permittee shall have a plan to prevent and control spills into the sewer system. The plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet"

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 at 883-1820 of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM – 3:00 PM call 851-4661, ext. 5374. After 3:00 PM call ext. 851-4664, ext. 600. If requested by the B.S.A., 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 [Revised 08/2013]

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 883-1820 851-4664, ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall also 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 noncomplying 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 it's 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.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and the "Sewer Regulations for Erie County Sewer Districts" provides that any person who violates a B.P.D.E.S. permit condition is liable to the Authority for a civil penalty of up to $10,000.00 per day for each violation. Any person who willfully or negligently violates permit

conditions will be referred to the New York State Attorney General.

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.

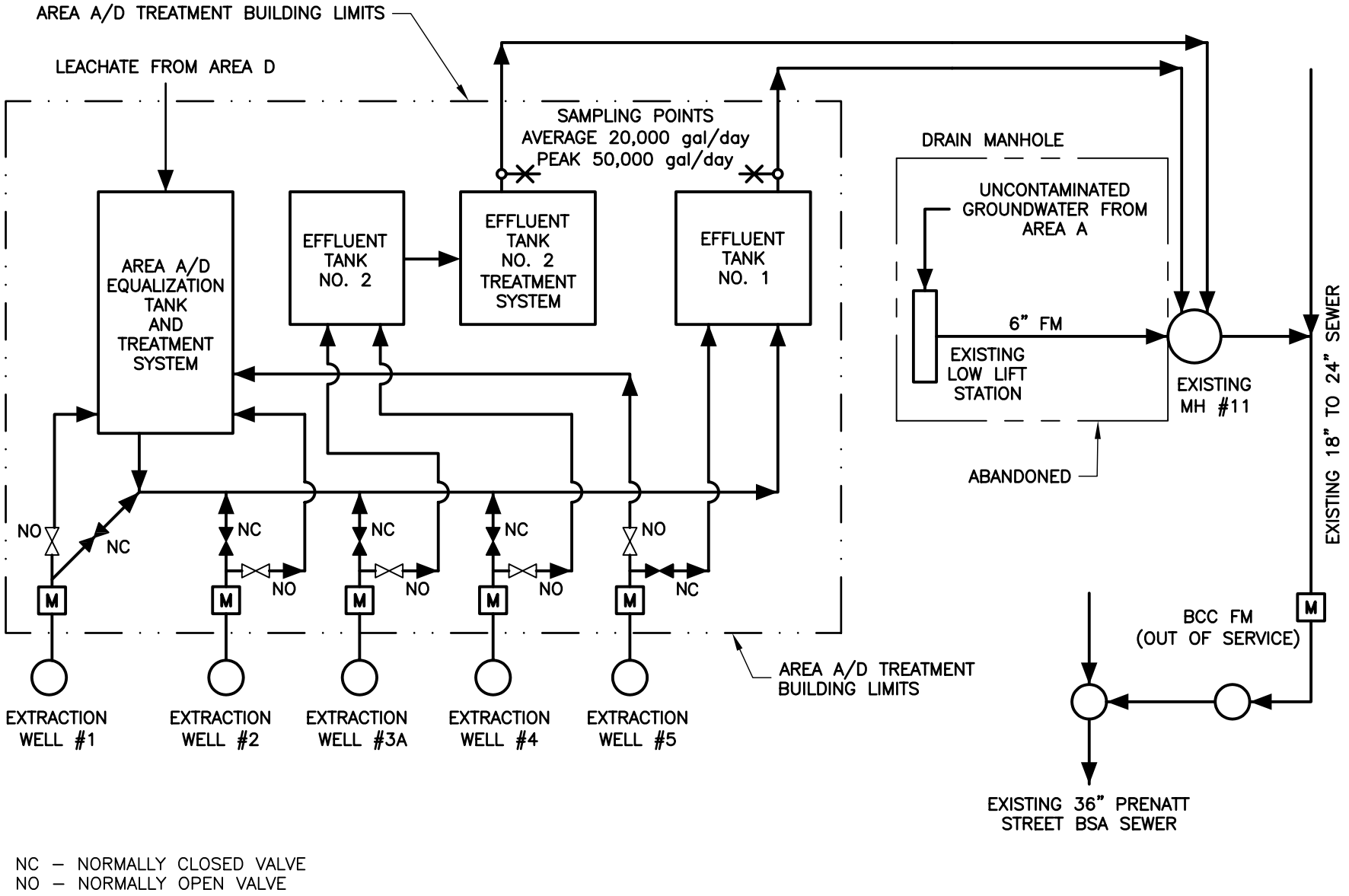
G. CONFIDENTIALITY

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



NC – NORMALLY CLOSED VALVE
NO – NORMALLY OPEN VALVE

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-102747-1
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

Denise L Giglia

Authorized for release by:
7/18/2016 9:43:51 AM
Denise Giglia, Project Management Assistant II
denise.giglia@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

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.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
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.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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

TestAmerica Job ID: 480-102747-1

Job ID: 480-102747-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-102747-1

Comments
No additional comments.

Receipt
The samples were received on 7/7/2016 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method(s) 624: The following Volatile sample was composited by the laboratory on 7/8/16 as requested by the client: BCC BSA SUMP_0716 (480-102747-1). 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.

Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: BCC BSA SUMP_0716 (480-102747-1) and TRIP BLANK (480-102747-2). The requested target analyte list contains 2-chloroethyl vinyl ether, 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(s) 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_0716 (480-102747-1).

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

TestAmerica Job ID: 480-102747-1

Client Sample ID: BCC BSA SUMP_0716 — Lab Sample ID: 480-102747-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.85	J	5.0	0.48	ug/L	1		624	Total/NA
Aniline	4.1	J	9.5	1.4	ug/L	1		625	Total/NA
Chromium	0.0034	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0031	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0020	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.011	B	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.010		0.010	0.0050	mg/L	1		420.1	Total/NA
Cyanide, Amenable	0.032		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
Phosphorus	0.48		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	8.25	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-102747-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Client Sample ID: BCC BSA SUMP_0716
Date Collected: 07/07/16 13:15
Date Received: 07/07/16 17:00

Lab Sample ID: 480-102747-1
Matrix: Water

Method: 624 - 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			07/08/16 20:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			07/08/16 20:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/08/16 20:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			07/08/16 20:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			07/08/16 20:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			07/08/16 20:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/08/16 20:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/08/16 20:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			07/08/16 20:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			07/08/16 20:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			07/08/16 20:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			07/08/16 20:03	1
Acrolein	ND		100	17	ug/L			07/08/16 20:03	1
Acrylonitrile	ND		50	1.9	ug/L			07/08/16 20:03	1
Benzene	ND		5.0	0.60	ug/L			07/08/16 20:03	1
Bromoform	ND		5.0	0.47	ug/L			07/08/16 20:03	1
Bromomethane	ND		5.0	1.2	ug/L			07/08/16 20:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/08/16 20:03	1
Chlorobenzene	**0.85**	**J**	5.0	0.48	ug/L			07/08/16 20:03	1
Dibromochloromethane	ND		5.0	0.41	ug/L			07/08/16 20:03	1
Chloroethane	ND		5.0	0.87	ug/L			07/08/16 20:03	1
Chloroform	ND		5.0	0.54	ug/L			07/08/16 20:03	1
Chloromethane	ND		5.0	0.64	ug/L			07/08/16 20:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			07/08/16 20:03	1
Bromodichloromethane	ND		5.0	0.54	ug/L			07/08/16 20:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			07/08/16 20:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/08/16 20:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			07/08/16 20:03	1
Toluene	ND		5.0	0.45	ug/L			07/08/16 20:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			07/08/16 20:03	1
Trichloroethene	ND		5.0	0.60	ug/L			07/08/16 20:03	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			07/08/16 20:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			07/08/16 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*72 - 130*		*07/08/16 20:03*	*1*
4-Bromofluorobenzene (Surr)	*85*		*69 - 121*		*07/08/16 20:03*	*1*
Toluene-d8 (Surr)	*85*		*70 - 123*		*07/08/16 20:03*	*1*
Dibromofluoromethane (Surr)	*85*		*70 - 130*		*07/08/16 20:03*	*1*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.5	0.78	ug/L		07/08/16 08:08	07/11/16 19:20	1
1,2-Dichlorobenzene	ND		9.5	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
1,2-Diphenylhydrazine	ND		9.5	0.74	ug/L		07/08/16 08:08	07/11/16 19:20	1
1,3-Dichlorobenzene	ND		9.5	0.66	ug/L		07/08/16 08:08	07/11/16 19:20	1
1,4-Dichlorobenzene	ND		9.5	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,2'-oxybis[1-chloropropane]	ND		4.7	0.80	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,4,6-Trichlorophenol	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,4-Dichlorophenol	ND		4.7	0.73	ug/L		07/08/16 08:08	07/11/16 19:20	1

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Client Sample ID: BCC BSA SUMP_0716
Date Collected: 07/07/16 13:15
Date Received: 07/07/16 17:00

Lab Sample ID: 480-102747-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		4.7	1.3	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,4-Dinitrophenol	ND		9.5	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,4-Dinitrotoluene	ND		4.7	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
2,6-Dinitrotoluene	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
2-Chloronaphthalene	ND		4.7	0.86	ug/L		07/08/16 08:08	07/11/16 19:20	1
2-Chlorophenol	ND		4.7	0.63	ug/L		07/08/16 08:08	07/11/16 19:20	1
2-Nitrophenol	ND		4.7	0.66	ug/L		07/08/16 08:08	07/11/16 19:20	1
3,3'-Dichlorobenzidine	ND		4.7	0.78	ug/L		07/08/16 08:08	07/11/16 19:20	1
4,6-Dinitro-2-methylphenol	ND		9.5	0.63	ug/L		07/08/16 08:08	07/11/16 19:20	1
4-Bromophenyl phenyl ether	ND		4.7	1.3	ug/L		07/08/16 08:08	07/11/16 19:20	1
4-Chloro-3-methylphenol	ND		4.7	1.0	ug/L		07/08/16 08:08	07/11/16 19:20	1
4-Chlorophenyl phenyl ether	ND		4.7	1.2	ug/L		07/08/16 08:08	07/11/16 19:20	1
4-Nitrophenol	ND		9.5	9.5	ug/L		07/08/16 08:08	07/11/16 19:20	1
Acenaphthene	ND		4.7	0.77	ug/L		07/08/16 08:08	07/11/16 19:20	1
Acenaphthylene	ND		4.7	0.83	ug/L		07/08/16 08:08	07/11/16 19:20	1
Aniline	**4.1**	**J**	9.5	1.4	ug/L		07/08/16 08:08	07/11/16 19:20	1
Anthracene	ND		4.7	1.3	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzidine	ND		76	33	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzo[a]anthracene	ND		4.7	1.0	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzo[a]pyrene	ND		4.7	1.2	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzo[b]fluoranthene	ND		4.7	1.1	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzo[g,h,i]perylene	ND		4.7	1.4	ug/L		07/08/16 08:08	07/11/16 19:20	1
Benzo[k]fluoranthene	ND		4.7	1.2	ug/L		07/08/16 08:08	07/11/16 19:20	1
Bis(2-chloroethoxy)methane	ND		4.7	0.71	ug/L		07/08/16 08:08	07/11/16 19:20	1
Bis(2-chloroethyl)ether	ND		4.7	0.88	ug/L		07/08/16 08:08	07/11/16 19:20	1
Bis(2-ethylhexyl) phthalate	ND		9.5	1.1	ug/L		07/08/16 08:08	07/11/16 19:20	1
Butyl benzyl phthalate	ND		4.7	1.0	ug/L		07/08/16 08:08	07/11/16 19:20	1
Chrysene	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
Decane	ND		9.5	1.5	ug/L		07/08/16 08:08	07/11/16 19:20	1
Dibenz(a,h)anthracene	ND		4.7	1.4	ug/L		07/08/16 08:08	07/11/16 19:20	1
Diethyl phthalate	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
Dimethyl phthalate	ND		4.7	0.86	ug/L		07/08/16 08:08	07/11/16 19:20	1
Di-n-butyl phthalate	ND		4.7	1.5	ug/L		07/08/16 08:08	07/11/16 19:20	1
Di-n-octyl phthalate	ND		4.7	1.1	ug/L		07/08/16 08:08	07/11/16 19:20	1
Fluoranthene	ND		4.7	1.5	ug/L		07/08/16 08:08	07/11/16 19:20	1
Fluorene	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
Hexachlorobenzene	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
Hexachlorobutadiene	ND		4.7	0.95	ug/L		07/08/16 08:08	07/11/16 19:20	1
Hexachlorocyclopentadiene	ND		4.7	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
Hexachloroethane	ND		4.7	0.57	ug/L		07/08/16 08:08	07/11/16 19:20	1
Indeno[1,2,3-cd]pyrene	ND		4.7	1.4	ug/L		07/08/16 08:08	07/11/16 19:20	1
Isophorone	ND		4.7	0.70	ug/L		07/08/16 08:08	07/11/16 19:20	1
Naphthalene	ND		4.7	0.82	ug/L		07/08/16 08:08	07/11/16 19:20	1
Nitrobenzene	ND		4.7	0.77	ug/L		07/08/16 08:08	07/11/16 19:20	1
N-Nitrosodimethylamine	ND		9.5	4.7	ug/L		07/08/16 08:08	07/11/16 19:20	1
N-Nitrosodi-n-propylamine	ND		4.7	0.85	ug/L		07/08/16 08:08	07/11/16 19:20	1
N-Nitrosodiphenylamine	ND		4.7	0.38	ug/L		07/08/16 08:08	07/11/16 19:20	1
n-Octadecane	ND		9.5	1.1	ug/L		07/08/16 08:08	07/11/16 19:20	1
Pentachlorophenol	ND		9.5	1.5	ug/L		07/08/16 08:08	07/11/16 19:20	1

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Client Sample ID: BCC BSA SUMP_0716
Date Collected: 07/07/16 13:15
Date Received: 07/07/16 17:00

Lab Sample ID: 480-102747-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		4.7	1.1	ug/L		07/08/16 08:08	07/11/16 19:20	1
Phenol	ND		4.7	0.33	ug/L		07/08/16 08:08	07/11/16 19:20	1
Pyrene	ND		4.7	1.3	ug/L		07/08/16 08:08	07/11/16 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*52 - 151*	*07/08/16 08:08*	*07/11/16 19:20*	*1*
2-Fluorobiphenyl	*62*		*44 - 120*	*07/08/16 08:08*	*07/11/16 19:20*	*1*
2-Fluorophenol	*37*		*17 - 120*	*07/08/16 08:08*	*07/11/16 19:20*	*1*
Nitrobenzene-d5	*66*		*42 - 120*	*07/08/16 08:08*	*07/11/16 19:20*	*1*
Phenol-d5	*26*		*10 - 120*	*07/08/16 08:08*	*07/11/16 19:20*	*1*
p-Terphenyl-d14	*70*		*22 - 125*	*07/08/16 08:08*	*07/11/16 19:20*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.057	0.036	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1221	ND		0.057	0.036	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1232	ND		0.057	0.036	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1242	ND		0.057	0.036	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1248	ND		0.057	0.036	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1254	ND		0.057	0.030	ug/L		07/08/16 07:46	07/08/16 23:21	1
PCB-1260	ND		0.057	0.030	ug/L		07/08/16 07:46	07/08/16 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*26 - 135*	*07/08/16 07:46*	*07/08/16 23:21*	*1*
Tetrachloro-m-xylene	*74*		*27 - 159*	*07/08/16 07:46*	*07/08/16 23:21*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0034**	**J**	0.0040	0.0010	mg/L		07/11/16 12:00	07/12/16 15:47	1
Copper	**0.0031**	**J**	0.010	0.0016	mg/L		07/11/16 12:00	07/12/16 15:47	1
Lead	ND		0.010	0.0030	mg/L		07/11/16 12:00	07/12/16 15:47	1
Nickel	**0.0020**	**J**	0.010	0.0013	mg/L		07/11/16 12:00	07/12/16 15:47	1
Zinc	**0.011**	**B**	0.010	0.0015	mg/L		07/11/16 12:00	07/12/16 15:47	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		07/08/16 08:00	07/08/16 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	**0.010**		0.010	0.0050	mg/L		07/11/16 14:14	07/12/16 09:47	1
Cyanide, Amenable	**0.032**		0.010	0.0050	mg/L			07/13/16 14:44	1
Phosphorus	**0.48**		0.010	0.0050	mg/L as P			07/11/16 10:55	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			07/08/16 10:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/13/16 15:33	1
pH	**8.25**	**HF**	0.100	0.100	SU			07/08/16 13:43	1

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Client Sample ID: TRIP BLANK
Date Collected: 07/07/16 00:00
Date Received: 07/07/16 17:00

Lab Sample ID: 480-102747-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			07/08/16 20:27	1
Acrylonitrile	ND		100	1.9	ug/L			07/08/16 20:27	1
Benzene	ND		5.0	0.60	ug/L			07/08/16 20:27	1
Bromodichloromethane	ND		5.0	0.54	ug/L			07/08/16 20:27	1
Bromoform	ND		5.0	0.47	ug/L			07/08/16 20:27	1
Bromomethane	ND		5.0	1.2	ug/L			07/08/16 20:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/08/16 20:27	1
Chlorobenzene	ND		5.0	0.48	ug/L			07/08/16 20:27	1
Chloroethane	ND		5.0	0.87	ug/L			07/08/16 20:27	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			07/08/16 20:27	1
Chloroform	ND		5.0	0.54	ug/L			07/08/16 20:27	1
Chloromethane	ND		5.0	0.64	ug/L			07/08/16 20:27	1
Dibromochloromethane	ND		5.0	0.41	ug/L			07/08/16 20:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			07/08/16 20:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/08/16 20:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			07/08/16 20:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			07/08/16 20:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			07/08/16 20:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			07/08/16 20:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			07/08/16 20:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/08/16 20:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			07/08/16 20:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			07/08/16 20:27	1
Toluene	ND		5.0	0.45	ug/L			07/08/16 20:27	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			07/08/16 20:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/08/16 20:27	1
Trichloroethene	ND		5.0	0.60	ug/L			07/08/16 20:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			07/08/16 20:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			07/08/16 20:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/08/16 20:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			07/08/16 20:27	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			07/08/16 20:27	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			07/08/16 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*72 - 130*		*07/08/16 20:27*	*1*
4-Bromofluorobenzene (Surr)	*86*		*69 - 121*		*07/08/16 20:27*	*1*
Toluene-d8 (Surr)	*84*		*70 - 123*		*07/08/16 20:27*	*1*
Dibromofluoromethane (Surr)	*83*		*70 - 130*		*07/08/16 20:27*	*1*

Surrogate Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)	(70-130)
480-102747-1	BCC BSA SUMP_0716	82	85	85	85
480-102747-2	TRIP BLANK	82	86	84	83
LCS 480-310253/39	Lab Control Sample	81	90	85	85
MB 480-310253/10	Method Blank	82	89	87	83

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 625 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(42-120)	(10-120)	(22-125)
480-102747-1	BCC BSA SUMP_0716	65	62	37	66	26	70
LCS 480-310195/2-A	Lab Control Sample	89	78	46	78	35	80
MB 480-310195/1-A	Method Blank	77	78	48	80	34	81

Surrogate Legend

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

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(26-135)	(27-159)
480-102747-1	BCC BSA SUMP_0716	54	74
LCS 480-310181/2-A	Lab Control Sample	68	105
MB 480-310181/1-A	Method Blank	64	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-310253/10
Matrix: Water
Analysis Batch: 310253

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			07/08/16 16:41	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			07/08/16 16:41	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/08/16 16:41	1
Acrolein	ND		100	17	ug/L			07/08/16 16:41	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			07/08/16 16:41	1
Acrylonitrile	ND		50	1.9	ug/L			07/08/16 16:41	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			07/08/16 16:41	1
Benzene	ND		5.0	0.60	ug/L			07/08/16 16:41	1
Bromoform	ND		5.0	0.47	ug/L			07/08/16 16:41	1
Bromomethane	ND		5.0	1.2	ug/L			07/08/16 16:41	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/08/16 16:41	1
Chlorobenzene	ND		5.0	0.48	ug/L			07/08/16 16:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			07/08/16 16:41	1
Dibromochloromethane	ND		5.0	0.41	ug/L			07/08/16 16:41	1
Chloroethane	ND		5.0	0.87	ug/L			07/08/16 16:41	1
Chloroform	ND		5.0	0.54	ug/L			07/08/16 16:41	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			07/08/16 16:41	1
Chloromethane	ND		5.0	0.64	ug/L			07/08/16 16:41	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/08/16 16:41	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			07/08/16 16:41	1
Bromodichloromethane	ND		5.0	0.54	ug/L			07/08/16 16:41	1
Ethylbenzene	ND		5.0	0.46	ug/L			07/08/16 16:41	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/08/16 16:41	1
Tetrachloroethene	ND		5.0	0.34	ug/L			07/08/16 16:41	1
Toluene	ND		5.0	0.45	ug/L			07/08/16 16:41	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			07/08/16 16:41	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/08/16 16:41	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			07/08/16 16:41	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			07/08/16 16:41	1
Trichloroethene	ND		5.0	0.60	ug/L			07/08/16 16:41	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			07/08/16 16:41	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			07/08/16 16:41	1
Vinyl chloride	ND		5.0	0.75	ug/L			07/08/16 16:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*72 - 130*		*07/08/16 16:41*	*1*
4-Bromofluorobenzene (Surr)	*89*		*69 - 121*		*07/08/16 16:41*	*1*
Toluene-d8 (Surr)	*87*		*70 - 123*		*07/08/16 16:41*	*1*
Dibromofluoromethane (Surr)	*83*		*70 - 130*		*07/08/16 16:41*	*1*

Lab Sample ID: LCS 480-310253/39
Matrix: Water
Analysis Batch: 310253

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	20.0	15.5	J	ug/L		77	1 - 305
1,1-Dichloroethane	20.0	15.5		ug/L		77	59 - 155
1,2-Dichloroethane	20.0	15.7		ug/L		79	49 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-310253/39
Matrix: Water
Analysis Batch: 310253

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	15.7		ug/L		78	1 - 234
1,2-Dichloropropane	20.0	15.9		ug/L		80	1 - 210
Benzene	20.0	16.2		ug/L		81	37 - 151
Bromoform	20.0	17.2		ug/L		86	45 - 169
Bromomethane	20.0	14.7		ug/L		73	1 - 242
Carbon tetrachloride	20.0	16.1		ug/L		80	70 - 140
Chlorobenzene	20.0	16.0		ug/L		80	37 - 160
1,1,2,2-Tetrachloroethane	20.0	15.2		ug/L		76	46 - 157
Dibromochloromethane	20.0	15.8		ug/L		79	53 - 149
Chloroethane	20.0	15.8		ug/L		79	14 - 230
Chloroform	20.0	15.6		ug/L		78	51 - 138
1,1,1-Trichloroethane	20.0	16.3		ug/L		81	52 - 162
Chloromethane	20.0	13.5		ug/L		67	1 - 273
1,1,2-Trichloroethane	20.0	16.2		ug/L		81	52 - 150
cis-1,3-Dichloropropene	20.0	15.7		ug/L		78	1 - 227
Bromodichloromethane	20.0	15.7		ug/L		79	35 - 155
Ethylbenzene	20.0	16.3		ug/L		81	37 - 162
Methylene Chloride	20.0	15.4		ug/L		77	1 - 221
Tetrachloroethene	20.0	17.1		ug/L		86	64 - 148
Toluene	20.0	16.3		ug/L		82	47 - 150
1,2-Dichlorobenzene	20.0	15.2		ug/L		76	18 - 190
trans-1,3-Dichloropropene	20.0	15.9		ug/L		79	17 - 183
1,3-Dichlorobenzene	20.0	15.5		ug/L		78	59 - 156
Trichloroethene	20.0	16.0		ug/L		80	71 - 157
1,4-Dichlorobenzene	20.0	15.4		ug/L		77	18 - 190
Trichlorofluoromethane	20.0	15.8		ug/L		79	17 - 181
Vinyl chloride	20.0	14.8		ug/L		74	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*72 - 130*
4-Bromofluorobenzene (Surr)	*90*		*69 - 121*
Toluene-d8 (Surr)	*85*		*70 - 123*
Dibromofluoromethane (Surr)	*85*		*70 - 130*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-310195/1-A
Matrix: Water
Analysis Batch: 310461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 310195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		07/08/16 08:08	07/11/16 10:35	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		07/08/16 08:08	07/11/16 10:35	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		07/08/16 08:08	07/11/16 10:35	1
1,4-Dichlorobenzene	ND		10	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-310195/1-A
Matrix: Water
Analysis Batch: 310461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 310195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		07/08/16 08:08	07/11/16 10:35	1
2-Chlorophenol	ND		5.0	0.66	ug/L		07/08/16 08:08	07/11/16 10:35	1
2-Nitrophenol	ND		5.0	0.70	ug/L		07/08/16 08:08	07/11/16 10:35	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		07/08/16 08:08	07/11/16 10:35	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		07/08/16 08:08	07/11/16 10:35	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		07/08/16 08:08	07/11/16 10:35	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		07/08/16 08:08	07/11/16 10:35	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		07/08/16 08:08	07/11/16 10:35	1
4-Nitrophenol	ND		10	10	ug/L		07/08/16 08:08	07/11/16 10:35	1
Acenaphthene	ND		5.0	0.81	ug/L		07/08/16 08:08	07/11/16 10:35	1
Acenaphthylene	ND		5.0	0.87	ug/L		07/08/16 08:08	07/11/16 10:35	1
Aniline	ND		10	1.5	ug/L		07/08/16 08:08	07/11/16 10:35	1
Anthracene	ND		5.0	1.4	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzidine	ND		80	35	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		07/08/16 08:08	07/11/16 10:35	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		07/08/16 08:08	07/11/16 10:35	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		07/08/16 08:08	07/11/16 10:35	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		07/08/16 08:08	07/11/16 10:35	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		07/08/16 08:08	07/11/16 10:35	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		07/08/16 08:08	07/11/16 10:35	1
Chrysene	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Decane	ND		10	1.6	ug/L		07/08/16 08:08	07/11/16 10:35	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		07/08/16 08:08	07/11/16 10:35	1
Diethyl phthalate	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		07/08/16 08:08	07/11/16 10:35	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		07/08/16 08:08	07/11/16 10:35	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		07/08/16 08:08	07/11/16 10:35	1
Fluoranthene	ND		5.0	1.6	ug/L		07/08/16 08:08	07/11/16 10:35	1
Fluorene	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
Hexachloroethane	ND		5.0	0.60	ug/L		07/08/16 08:08	07/11/16 10:35	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		07/08/16 08:08	07/11/16 10:35	1
Isophorone	ND		5.0	0.74	ug/L		07/08/16 08:08	07/11/16 10:35	1
Naphthalene	ND		5.0	0.86	ug/L		07/08/16 08:08	07/11/16 10:35	1
Nitrobenzene	ND		5.0	0.81	ug/L		07/08/16 08:08	07/11/16 10:35	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		07/08/16 08:08	07/11/16 10:35	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		07/08/16 08:08	07/11/16 10:35	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		07/08/16 08:08	07/11/16 10:35	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-310195/1-A
Matrix: Water
Analysis Batch: 310461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 310195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Octadecane	ND		10	1.2	ug/L		07/08/16 08:08	07/11/16 10:35	1
Pentachlorophenol	ND		10	1.6	ug/L		07/08/16 08:08	07/11/16 10:35	1
Phenanthrene	ND		5.0	1.2	ug/L		07/08/16 08:08	07/11/16 10:35	1
Phenol	ND		5.0	0.35	ug/L		07/08/16 08:08	07/11/16 10:35	1
Pyrene	ND		5.0	1.4	ug/L		07/08/16 08:08	07/11/16 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*52 - 151*	*07/08/16 08:08*	*07/11/16 10:35*	*1*
2-Fluorobiphenyl	*78*		*44 - 120*	*07/08/16 08:08*	*07/11/16 10:35*	*1*
2-Fluorophenol	*48*		*17 - 120*	*07/08/16 08:08*	*07/11/16 10:35*	*1*
Nitrobenzene-d5	*80*		*42 - 120*	*07/08/16 08:08*	*07/11/16 10:35*	*1*
Phenol-d5	*34*		*10 - 120*	*07/08/16 08:08*	*07/11/16 10:35*	*1*
p-Terphenyl-d14	*81*		*22 - 125*	*07/08/16 08:08*	*07/11/16 10:35*	*1*

Lab Sample ID: LCS 480-310195/2-A
Matrix: Water
Analysis Batch: 310461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 310195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	29.6		ug/L		59	44 - 142
1,2-Dichlorobenzene	50.0	27.6		ug/L		55	32 - 129
1,3-Dichlorobenzene	50.0	25.9		ug/L		52	1 - 172
1,4-Dichlorobenzene	50.0	26.3		ug/L		53	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	39.6		ug/L		79	36 - 166
2,4,6-Trichlorophenol	50.0	41.7		ug/L		83	37 - 144
2,4-Dichlorophenol	50.0	40.6		ug/L		81	39 - 135
2,4-Dimethylphenol	50.0	39.4		ug/L		79	32 - 119
2,4-Dinitrophenol	100	92.9		ug/L		93	1 - 191
2,4-Dinitrotoluene	50.0	41.7		ug/L		83	39 - 139
2,6-Dinitrotoluene	50.0	40.6		ug/L		81	50 - 158
2-Chloronaphthalene	50.0	35.3		ug/L		71	60 - 118
2-Chlorophenol	50.0	35.0		ug/L		70	23 - 134
2-Nitrophenol	50.0	40.5		ug/L		81	29 - 182
3,3'-Dichlorobenzidine	100	77.4		ug/L		77	1 - 262
4,6-Dinitro-2-methylphenol	100	93.6		ug/L		94	1 - 181
4-Bromophenyl phenyl ether	50.0	42.5		ug/L		85	53 - 127
4-Chloro-3-methylphenol	50.0	41.2		ug/L		82	22 - 147
4-Chlorophenyl phenyl ether	50.0	39.8		ug/L		80	25 - 158
4-Nitrophenol	100	49.2		ug/L		49	1 - 132
Acenaphthene	50.0	37.7		ug/L		75	47 - 145
Acenaphthylene	50.0	38.5		ug/L		77	33 - 145
Aniline	50.0	30.1		ug/L		60	40 - 120
Anthracene	50.0	41.4		ug/L		83	27 - 133
Benzo[a]anthracene	50.0	42.2		ug/L		84	33 - 143
Benzo[a]pyrene	50.0	43.0		ug/L		86	17 - 163
Benzo[b]fluoranthene	50.0	43.2		ug/L		86	24 - 159
Benzo[g,h,i]perylene	50.0	44.0		ug/L		88	1 - 219
Benzo[k]fluoranthene	50.0	41.9		ug/L		84	11 - 162

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-310195/2-A
Matrix: Water
Analysis Batch: 310461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 310195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	50.0	37.7		ug/L		75	33 - 184
Bis(2-chloroethyl)ether	50.0	36.3		ug/L		73	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	43.0		ug/L		86	8 - 158
Butyl benzyl phthalate	50.0	43.2		ug/L		86	1 - 152
Chrysene	50.0	41.6		ug/L		83	17 - 168
Dibenz(a,h)anthracene	50.0	43.8		ug/L		88	1 - 227
Diethyl phthalate	50.0	40.6		ug/L		81	1 - 114
Dimethyl phthalate	50.0	41.5		ug/L		83	1 - 112
Di-n-butyl phthalate	50.0	43.8		ug/L		88	1 - 118
Di-n-octyl phthalate	50.0	43.6		ug/L		87	4 - 146
Fluoranthene	50.0	42.5		ug/L		85	26 - 137
Fluorene	50.0	38.9		ug/L		78	59 - 121
Hexachlorobenzene	50.0	42.4		ug/L		85	1 - 152
Hexachlorocyclopentadiene	50.0	27.4		ug/L		55	5 - 120
Hexachloroethane	50.0	23.5		ug/L		47	40 - 113
Indeno[1,2,3-cd]pyrene	50.0	42.9		ug/L		86	1 - 171
Isophorone	50.0	39.6		ug/L		79	21 - 196
Naphthalene	50.0	34.2		ug/L		68	21 - 133
Nitrobenzene	50.0	38.4		ug/L		77	35 - 180
N-Nitrosodi-n-propylamine	50.0	39.4		ug/L		79	1 - 230
N-Nitrosodiphenylamine	50.0	40.5		ug/L		81	54 - 125
Pentachlorophenol	100	80.4		ug/L		80	14 - 176
Phenanthrene	50.0	41.6		ug/L		83	54 - 120
Phenol	50.0	17.7		ug/L		35	5 - 112
Pyrene	50.0	41.7		ug/L		83	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*89*		*52 - 151*
2-Fluorobiphenyl	*78*		*44 - 120*
2-Fluorophenol	*46*		*17 - 120*
Nitrobenzene-d5	*78*		*42 - 120*
Phenol-d5	*35*		*10 - 120*
p-Terphenyl-d14	*80*		*22 - 125*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-310181/1-A
Matrix: Water
Analysis Batch: 310323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 310181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1221	ND		0.060	0.038	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1232	ND		0.060	0.038	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1242	ND		0.060	0.038	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1248	ND		0.060	0.038	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1254	ND		0.060	0.031	ug/L		07/08/16 07:46	07/08/16 19:09	1
PCB-1260	ND		0.060	0.031	ug/L		07/08/16 07:46	07/08/16 19:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		26 - 135	07/08/16 07:46	07/08/16 19:09	1
Tetrachloro-m-xylene	96		27 - 159	07/08/16 07:46	07/08/16 19:09	1

Lab Sample ID: LCS 480-310181/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310323 — **Prep Batch: 310181**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.19		ug/L		119	40 - 142
PCB-1260	1.00	0.981		ug/L		98	67 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	68		26 - 135
Tetrachloro-m-xylene	105		27 - 159

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-310481/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310799 — **Prep Batch: 310481**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		07/11/16 12:00	07/12/16 15:30	1
Copper	ND		0.010	0.0016	mg/L		07/11/16 12:00	07/12/16 15:30	1
Lead	ND		0.010	0.0030	mg/L		07/11/16 12:00	07/12/16 15:30	1
Nickel	ND		0.010	0.0013	mg/L		07/11/16 12:00	07/12/16 15:30	1
Zinc	0.00214	J	0.010	0.0015	mg/L		07/11/16 12:00	07/12/16 15:30	1

Lab Sample ID: LCS 480-310481/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310799 — **Prep Batch: 310481**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.201		mg/L		101	85 - 115
Copper	0.200	0.190		mg/L		95	85 - 115
Lead	0.200	0.191		mg/L		96	85 - 115
Nickel	0.200	0.187		mg/L		93	85 - 115
Zinc	0.200	0.194		mg/L		97	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-310177/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310310 — **Prep Batch: 310177**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/08/16 08:00	07/08/16 13:00	1

Lab Sample ID: LCS 480-310177/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310310 — **Prep Batch: 310177**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00702		mg/L		105	85 - 115

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-310537/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310681 — **Prep Batch: 310537**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		07/11/16 14:14	07/12/16 09:17	1

Lab Sample ID: LCS 480-310537/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310681 — **Prep Batch: 310537**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0973		mg/L		97	90 - 110

Lab Sample ID: 480-102747-1 MS — **Client Sample ID: BCC BSA SUMP_0716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310681 — **Prep Batch: 310537**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.010		0.100	0.107		mg/L		97	90 - 110

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

Lab Sample ID: MB 480-310959/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310959

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/13/16 15:33	1

Lab Sample ID: LCS 480-310959/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	240	239.2		mg/L		100	88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-310278/23 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.060		SU		101	99 - 101

Lab Sample ID: 480-102747-1 DU — **Client Sample ID: BCC BSA SUMP_0716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 310278

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.25	HF	8.280		SU		0.4	5

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-310493/3
Matrix: Water
Analysis Batch: 310493

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			07/11/16 10:55	1

Lab Sample ID: LCS 480-310493/4
Matrix: Water
Analysis Batch: 310493

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 480-310262/1
Matrix: Water
Analysis Batch: 310262

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			07/08/16 10:36	1

Lab Sample ID: LCS 480-310262/2
Matrix: Water
Analysis Batch: 310262

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	171.6		mg/L		87	85 - 115

GC/MS VOA

Analysis Batch: 310253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	624	
480-102747-2	TRIP BLANK	Total/NA	Water	624	
LCS 480-310253/39	Lab Control Sample	Total/NA	Water	624	
MB 480-310253/10	Method Blank	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 310195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	625	
LCS 480-310195/2-A	Lab Control Sample	Total/NA	Water	625	
MB 480-310195/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 310461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	625	310195
LCS 480-310195/2-A	Lab Control Sample	Total/NA	Water	625	310195
MB 480-310195/1-A	Method Blank	Total/NA	Water	625	310195

GC Semi VOA

Prep Batch: 310181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	3510C	
LCS 480-310181/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-310181/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 310323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	608	310181
LCS 480-310181/2-A	Lab Control Sample	Total/NA	Water	608	310181
MB 480-310181/1-A	Method Blank	Total/NA	Water	608	310181

Metals

Prep Batch: 310177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	245.1	
LCS 480-310177/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 480-310177/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 310310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	245.1	310177
LCS 480-310177/2-A	Lab Control Sample	Total/NA	Water	245.1	310177
MB 480-310177/1-A	Method Blank	Total/NA	Water	245.1	310177

Prep Batch: 310481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	200.7	

Metals (Continued)

Prep Batch: 310481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-310481/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-310481/1-A	Method Blank	Total/NA	Water	200.7	

Analysis Batch: 310799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	200.7 Rev 4.4	310481
LCS 480-310481/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	310481
MB 480-310481/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	310481

General Chemistry

Analysis Batch: 310262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	SM 5210B	
LCS 480-310262/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-310262/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 310278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	SM 4500 H+ B	
480-102747-1 DU	BCC BSA SUMP_0716	Total/NA	Water	SM 4500 H+ B	
LCS 480-310278/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 310493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	SM 4500 P E	
LCS 480-310493/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	
MB 480-310493/3	Method Blank	Total/NA	Water	SM 4500 P E	

Prep Batch: 310537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	Distill/Phenol	
480-102747-1 MS	BCC BSA SUMP_0716	Total/NA	Water	Distill/Phenol	
LCS 480-310537/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-310537/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 310681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	420.1	310537
480-102747-1 MS	BCC BSA SUMP_0716	Total/NA	Water	420.1	310537
LCS 480-310537/2-A	Lab Control Sample	Total/NA	Water	420.1	310537
MB 480-310537/1-A	Method Blank	Total/NA	Water	420.1	310537

Analysis Batch: 310945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	SM 4500 CN G	

Analysis Batch: 310959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102747-1	BCC BSA SUMP_0716	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 310959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-310959/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-310959/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Client Sample ID: BCC BSA SUMP_0716

Lab Sample ID: 480-102747-1

Date Collected: 07/07/16 13:15

Matrix: Water

Date Received: 07/07/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	310253	07/08/16 20:03	RJF	TAL BUF
Total/NA	Prep	625			310195	07/08/16 08:08	CPH	TAL BUF
Total/NA	Analysis	625		1	310461	07/11/16 19:20	LMW	TAL BUF
Total/NA	Prep	3510C			310181	07/08/16 07:46	ARS	TAL BUF
Total/NA	Analysis	608		1	310323	07/08/16 23:21	KS	TAL BUF
Total/NA	Prep	200.7			310481	07/11/16 12:00	BAE	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	310799	07/12/16 15:47	AMH	TAL BUF
Total/NA	Prep	245.1			310177	07/08/16 08:00	JRK	TAL BUF
Total/NA	Analysis	245.1		1	310310	07/08/16 13:04	JRK	TAL BUF
Total/NA	Prep	Distill/Phenol			310537	07/11/16 14:14	JCL	TAL BUF
Total/NA	Analysis	420.1		1	310681	07/12/16 09:47	ELR	TAL BUF
Total/NA	Analysis	SM 2540D		1	310959	07/13/16 15:33	ELR	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	310945	07/13/16 14:44	KMF	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	310278	07/08/16 13:43	ELR	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	310493	07/11/16 10:55	RP	TAL BUF
Total/NA	Analysis	SM 5210B		1	310262	07/08/16 10:36	LED	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-102747-2

Date Collected: 07/07/16 00:00

Matrix: Water

Date Received: 07/07/16 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	310253	07/08/16 20:27	RJF	TAL BUF

Laboratory References:

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

Certification Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

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

Method Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	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

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",

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-102747-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-102747-1	BCC BSA SUMP_0716	Water	07/07/16 13:15	07/07/16 17:00
480-102747-2	TRIP BLANK	Water	07/07/16 00:00	07/07/16 17:00

Detection Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.
Project/Site: 37745 Buffalo Color GWTF Sump

TestAmerica Job ID: 480-102747-1

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	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	2,4-Dinitrotoluene	ug/L	5.0	10
625	Water	4-Nitrophenol	ug/L	10	15
625	Water	Hexachlorocyclopentadiene	ug/L	5.0	10

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Schove, John	Site Contact: Tom Wagner	Date: 7-7-16	COC No: 480031590716
Ontario Specialty Contracting Inc.	Tel/Fax: (716) 912-9926	Lab Contact: Schove, John	Carrier: OSC	1 of 1 COCs
333 Ganson Street	Analysis Turnaround Time			Job No. 0913-OMM
Buffalo, NY, 14203	Calendar (C) or Work Days (W)			
716-856-3333 Phone	TAT			
716-842-1630 FAX	[X] 2 weeks			
Project Name: Buffalo Color GWTF Sump	[ ] 1 week			
Site: HoneyWell Buffalo Color - NYC915230	[ ] 2 days			
PO# [redacted] 59074	[ ] 1 day			

Flow Rates (GPM)
EW-1:
EW-2:
EW-3A:
EW-4:
EW-5:
Composite Percent (%)
DC-1:
DC-2:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	4500_P_E - Phosphorus	200.7, 245.1	420.4 - Phenolics, Total Recoverable	624_5ml - (MOD) Priority Pollutant List - VOA - 62	608_PCB - Priority Pollutant PCBs	625 - (MOD) Priority Pollutant List - SVOA - 6	5210B - Biochemical Oxygen Demand	2540D - Total Suspended Solids	SM4500CN_G_Calc - Local Method	SM4500_H+ - pH	Sample Specific Notes:
BCC_BSA_Sump_0716	7/7-16	1315	C	W	19	N	1	1	1	8	2	2	1	1	1	1	Lab to composite 624 for BCC BSA Sump samples prior to analysis
Trip Blank	N/A	N/A	N/A	N/A	2					2							
Container Volume (ml)							250	250	250	40	1000	1000	1000	500	250	125	
Preservation: 1= Ice 2= HCl (Hydrochloric) 3= H2SO4 (Sulfuric) 4=HNO3 (Nitric) 5=NaOH (Sodium Hydroxide) 6=Other							3-P	4-P	3-A	2-V	1-A	1-A	1-P	1-P	5-P	1-P	

480-102747 Chain of Custody

Possible Hazard Identification
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* [ ] *Poison B* [X] *Unknown*

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

Special Instructions/QC Requirements & Comments:

Temp 4.2 #1 ICE

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Tom Wagner	OSC	7/7/16	[signature]	TA	7/7/16
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-102747-1

Login Number: 102747

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	True	Yes: Samples checked, no residual chlorine detected

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	Assodate	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	Comments
7/1/2016	TW	49	48	32	23	46	23	14.7	20	15	17	15	7.28	12	16.3	16,451,242	12	24.6	12,082,347	22	3	11	2	2	y	FE-106 Totalizer not working
7/11/2016	TW	48	47	33	25	44	25	15	22	17	18	17	7.35	14	16.4	16,451,242	14	26.1	12,107,931	23	2	11	2	2	y	FE-106 Totalizer not working
7/15/2016	TW	48	46	33	19	43	22	14.4	20	17	19	16	7.25	13	15.5	16,451,242	13	22.7	12,142,498	17	2	10	2	2	y	FE-106 Totalizer not working
7/29/2016	TW	49	47	33	25	44	28	15.1	24	21	22	20	7.24	17	16	16,451,242	17	26.9	12,219,385	24	3	11	2	2	y	FE-106 Totalizer not working
8/5/2016	TW	49	47	33	25	43	28	14.7	25	22	23	21	7.32	17	14.8	16,474,482	17	26	12,253,685	23	3	10	2	3	y	
8/12/2016	TW	49	45	33	26	42	20	13.9	20	11	12	10	7.16	7	14	16,528,424	9	27.1	12,284,900	24	3	11	1	2	y	
8/26/2016	TW	49	48	32	24	45	20	18.2	20	13	14	10	7.22	7	18.6	16,635,556	7	28.7	12,339,467	23	3	9	2	3	y	
9/1/2016	TW	48	47	32	25	44	19	18.6	18	13	15	11	7.34	7	18.7	16,694,052	8	27.9	12,364,018	24	3	10	2	2	y	M. M. filter needs repair
9/9/2016	TW	49	44	33	24	40	15	17.9	18	12	14	11	7.3	7	18	16,756,223	7	26.8	12,387,751	22	3	11	2	3	y	
9/16/2016	TW	48	43	32	25	41	18	17	16	11	12	10	7.28	7	17.4	16,824,604	7	27.3	12,412,755	23	3	10	2	2	y	
9/22/216	TW	49	47	32	24	43	22	16.4	23	10	14	9	7.4	6	16.5	16,876,694	6	24.4	12,430,401	21	3	9	2	2	y	
9/30/2016	TW	48	48	32	25	45	20	17.7	19	13	14	11	7.19	8	17.7	16,943,116	8	27.6	12,451,339	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
7/1/2016					1	1		1	1	1			FE-106 totalizer not working
7/2/2016													
7/3/2016								1	1	1			
7/4/2016													
7/5/2016					1	1	1	1	1	1	1	1	Gac Sample
7/6/2016								0.5	1	1			
7/7/2016								0.5	1				
7/8/2016					1	1		1	1	1	1	1	
7/9/2016													
7/10/2016													
7/11/2016								1	2	1			
7/12/2016								0.5	1	1			
7/13/2016								1	1	1			
7/14/2016										1			
7/15/2016					1	1		1	1	1			
7/16/2016													
7/17/2016													
7/18/2016								1	2	1	1		
7/19/2016								0.5	1	1			
7/20/2016								1	1				
7/21/2016													
7/22/2016													
7/23/2016													
7/24/2016													
7/25/2016								1	2	2			
7/26/2016								0.5		1			Cleaned Air vents on BF
7/27/2016								1	1				
7/28/2016							1			1	1	1	
7/29/2016								1	1	1			
7/30/2016													
7/31/2016													
8/1/2016								1	2	1			
8/2/2016								0.5	1	1			
8/3/2016								0.5		1			
8/4/2016							1	0.5	1				
8/5/2016					1	1		1	1	1			
8/6/2016													
8/7/2016													
8/8/2016								1	1	1	1		Clean, acid flush #5 well
8/9/2016								0.5	1	1			
8/10/2016								1		1			
8/11/2016								0.5	1				
8/12/2016					1	1		1	1	1			
8/13/2016													
8/14/2016													
8/15/2016								1	1	1			
8/16/2016													MM filter needs repair
8/17/2016								1	1	1			
8/18/2016										1			
8/19/2016					1	1		1	1	1			
8/20/2016													
8/21/2016													
8/22/2016								1	1	1			
8/23/2016										1			Clean BSA line-Jetter

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
8/24/2016								0.5	1				Clean BSA line-Jetter
8/25/2016								1	1	1			
8/26/2016					1	1	1	1	1	1	1	1	
8/27/2016													
8/28/2016													
8/29/2016								1	2	1			
8/30/2016								0.5		1			
8/31/2016								1	1				
9/1/2016					1	1	1	1	1	1	1		
9/2/2016								1	1	2			
9/3/2016													
9/4/2016													
9/5/2016													
9/6/2016								1	1	1			
9/7/2016								0.5	1				
9/8/2016							1	0.5		2	1		
9/9/2016					1	1		1	1	1			
9/10/2016													
9/11/2016													
9/12/2016								1	1	1			
9/13/2016								0.5	1	1			
9/14/2016								1		1			
9/15/2016							1	0.5	1		1	1	
9/16/2016					1	1		1	1	1			
9/17/2016													
9/18/2016													
9/19/2016								1	1	2			
9/20/2016								0.5	1				
9/21/2016								1	1	1			Well #4 Down
9/22/2016					1	1	1	1	1	1		1	
9/23/2016													
9/24/2016													
9/25/2016													
9/26/2016								1	2	1			
9/27/2016								0.5	2	1			Run Area D Wells
9/28/2016								0.5	1	1			Run Area D Wells
9/29/2016								0.5	1				
9/30/2016					1	1	1	1	1	1		1	

January 31, 2017

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 #14-06-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, 2016 through December 31, 2016. This Discharge Monitoring Report has been completed in accordance with the requirements of Permit #14-06BU109.

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
Daniel Forlastro	AMEC Environment & Infrastructure

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

B.P.D.E.S. Permit No. #14-06-BU109
Former Buffalo Color Corporation Site
South Buffalo Development Corporation LLC (SBD)
Reporting Period: October 1, 2016 through December 31, 2016

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 Effluent No. 1 and Effluent No. 2 flow totalizers, which includes 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 2016	327,458 gallons
November 2016	357,867 gallons
December 2016	173,392 gallons

Total Quarterly Discharge 862,604 gallons

Estimated Area D contribution this period:
3,887 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.	14-06-BU109	Effective June 1, 2014	Year: 2016	Event Group: SUMP
Sample Date:	10/13/2016		Month: OCT	Lab Job ID: J107637-1
Sample Location:	Onsite Pump Station to BSA			

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	7.70	0.100	SU	7.70	SU	5.0 - 12.0	SU	Yes			
BOD5	BOD	ND	2.0	mg/L	ND	mg/L	250	mg/L	Yes			
Total Phenol	TOTPHEN	0.028	0.010	mg/L	0.002	lbs/day	1.67	lbs/day	Yes	20	0.028	Yes
Total Chromium	7440-47-3	0.0033	0.0040	mg/L	0.0003	lbs/day	0.83	lbs/day	Yes	40	0.00	Yes
Total Copper	7440-50-8	0.0031	0.010	mg/L	0.000	lbs/day	0.67	lbs/day	Yes	16	0.0031	Yes
Lead	7439-92-1	0.0040	0.0050	mg/L	0.0003	lbs/day	0.541	lbs/day	Yes	65	0.0040	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	0.0015	0.010	mg/L	0.0001	lbs/day	1.17	lbs/day	Yes	14	0.0015	Yes
Zinc	7440-66-6	0.0050	0.010	mg/L	0.000	lbs/day	2.046	lbs/day	Yes	25	0.005	Yes
Amendable Cyanide	CAN	0.015	0.010	mg/L	0.001	lbs/day	2.59	lbs/day	Yes	6.2	0.015	Yes
Total PCB	Sum Method_E608	ND	0.059	ug/L	ND	lbs/day	0.0001	lbs/day	Yes	0.002	ND	Yes
Aniline or Aniline Derivative*	62-53-3	0.025	1900	ug/L	0.0000	lbs/day	50	lbs/day	Yes			
Benzene	71-43-2	ND	25	ug/L	ND	lbs/day	0.059	lbs/day	Yes	0.142	ND	Yes
Chlorobenzene	108-90-7	3.7	25	ug/L	0.0003	lbs/day	0.129	lbs/day	Yes	0.31	0.00	Yes
1,2-Dichlorobenzene	95-50-1	ND	9.4	ug/L	ND	lbs/day	0.197	lbs/day	Yes	0.472	ND	Yes
Fluoranthene	206-44-0	ND	4.7	ug/L	ND	lbs/day	0.0417	lbs/day	Yes	0.1	ND	Yes
Acenaphthylene	208-96-8	ND	0.47	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Naphthalene	91-20-3	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Anthracene	120-12-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Fluorene	86-73-7	ND	4.7	ug/L	ND	lbs/day	0.131	lbs/day	Yes	0.314	ND	Yes
Phenanthrene	85-01-8	ND	4.7	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	6.4	4.0	mg/L	6.4	mg/L	250	mg/L	Yes			
Total Phosphate**	7723-14-0	0.490	0.010	mg/L	0.490	mg/L	15.35	mg/L	Yes			
Total Flow (average)	N/A	6.58	-	gpm	9,479	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

Flow Calculations

Combined Effluent No. 1 and No. 2 Flow Totals (gallons)

Initial Reading	29,477,523	10/1/2016
Final Reading	30,340,127	12/31/2016
Total Days in Period	91	
Total Flow for Period	**862,604**	gallons
Average Flow for Period	**6.58**	gpm

BSA Discharge Permit

BUFFALO SEWER AUTHORITY

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) 883-1820

February 11, 2014

Andrew Madden
Manager
South Buffalo Development, LLC.
333 Ganson Street
Buffalo, New York 14203

Re: BPDES Permit No. 14-06-BU109

Dear Mr. Madden:

Enclosed is your BPDES Permit No. 14-06-BU109. This permit is issued by the BSA and allows your facility to discharge process wastes to the sanitary sewers.

This original permit must be maintained at your Buffalo 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 six (6) months before this permit expires.

If you have any questions, please call Dennis W. Young at 851-4664, ext. 5256.

Very truly yours,

By: Leslie Sedita

Leslie Sedita
Industrial Waste Administrator
Industrial Waste Section

cc: M. Letina

I\WPD\JK\SBDLLC1406bu109permitltr

AUTHORIZATION TO DISCHARGE UNDER THE BUFFALO POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO. 14-06-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 4, 2014** 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, 2014

To Expire May 31, 2017

General Manager

Signed this 16th **day of** February **, 2014**

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[1]	5.0 - 12.0 SU		Probe	**Quarterly**
	Total Flow	50,000 gals		Flow Meter[2]	**Continuous**
	BOD_5	250 mg/L [3]		Composite [4]	**Quarterly**
	Total Suspended Solids	250 mg/L [3]		Composite	**Quarterly**
	Total Phosphate	15.35 mg/L[3]		Composite	**Quarterly**
	Total Phenol[5]	1.67 lbs	20.0	Composite	**Quarterly**
	Amenable Cyanide	2.59 lbs	6.2	Grab [7]	**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	[6]		Grab[7]	**Quarterly**
	Base/Neutrals & Acid Extractable-EPA Tests Method 625	[8]		Composite	**Quarterly**
	Total PCB's	0.000 lbs	0.002	Composite	**Quarterly**
	Aniline	50.0 lbs	0.00	Composite	**Quarterly**
	Benzene	0.059 lbs	0.142 mg/L	Composite	**Quarterly**
	Chlorobenzene	0.129 lbs	0.310 mg/L	Composite	**Quarterly**
	1, 2-Dichlorbenzene	0.197 lbs.	0.472 mg/L	Composite	**Quarterly**
	Fluoranthene	0.0417 lbs.	0.100 mg/L	Composite	**Quarterly**
	Acenaphtylene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Naphthalene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Anthracene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**

Sample Point	Parameter	Discharge Limitations		Sampling Requirements	
		Daily Max	**Maid***	**Type**	**Frequency**
	Fluorene	0.131 lbs.	0.314 mg/L	Composite	**Quarterly**
	Phenanthrene	0.131 lbs.	0.314 mg/L	Composite	**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	
		Initial Report	**Subsequent Reports**
001	All analytes	July 31, 2011	Every July 31, October 31, January 31, April 30**

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

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 that 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.

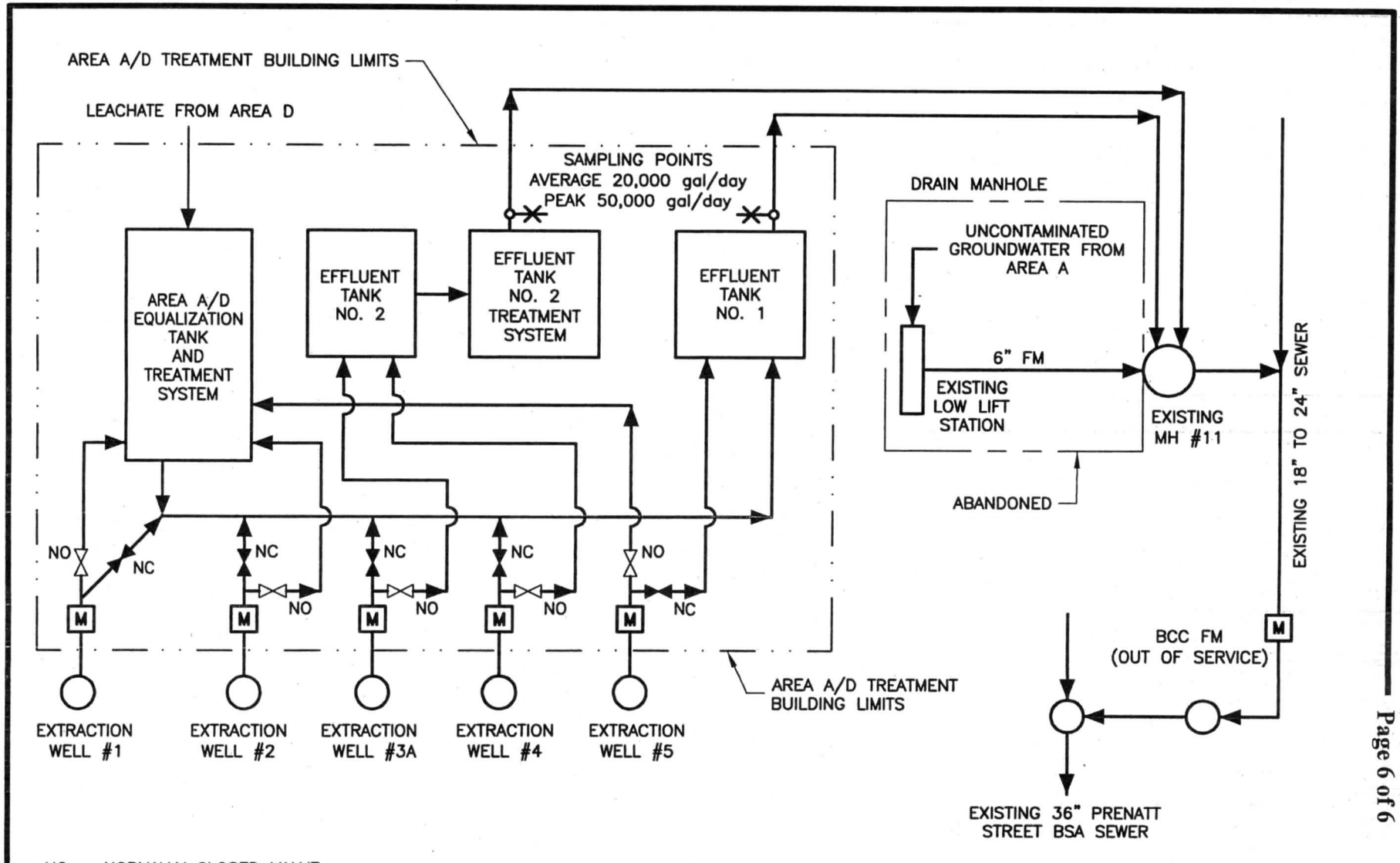
(4) Composite samples may be flow proportioned.

(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 that 0.01 mg/L.



FORMER BUFFALO COLOR CORPORATION
SITE
BUFFALO, NY

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

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 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 the possibility of fine and imprisonment for knowing violations."

B. PERMITTEE REQUIREMENTS

1. Change in Discharge [revised 08/2013]

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. A Baseline Monitoring Report shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet".

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. Spill Prevention and Control Plan [added 08/2013]

The permittee shall have a plan to prevent and control spills into the sewer system. The plan shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet"

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 at 883-1820 of the quantity and character of such discharge. During normal business hours, Monday – Friday, 7:30 AM – 3:00 PM call 851-4661, ext. 5374. After 3:00 PM call ext. 851-4664, ext. 600. If requested by the B.S.A., 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 [Revised 08/2013]

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 883-1820 851-4664, ext. 5374 within twenty-four (24) hours of becoming aware of the violation. The permittee shall also 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 noncomplying 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 it's 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.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and the "Sewer Regulations for Erie County Sewer Districts" provides that any person who violates a B.P.D.E.S. permit condition is liable to the Authority for a civil penalty of up to $10,000.00 per day for each violation. Any person who willfully or negligently violates permit

conditions will be referred to the New York State Attorney General.

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.

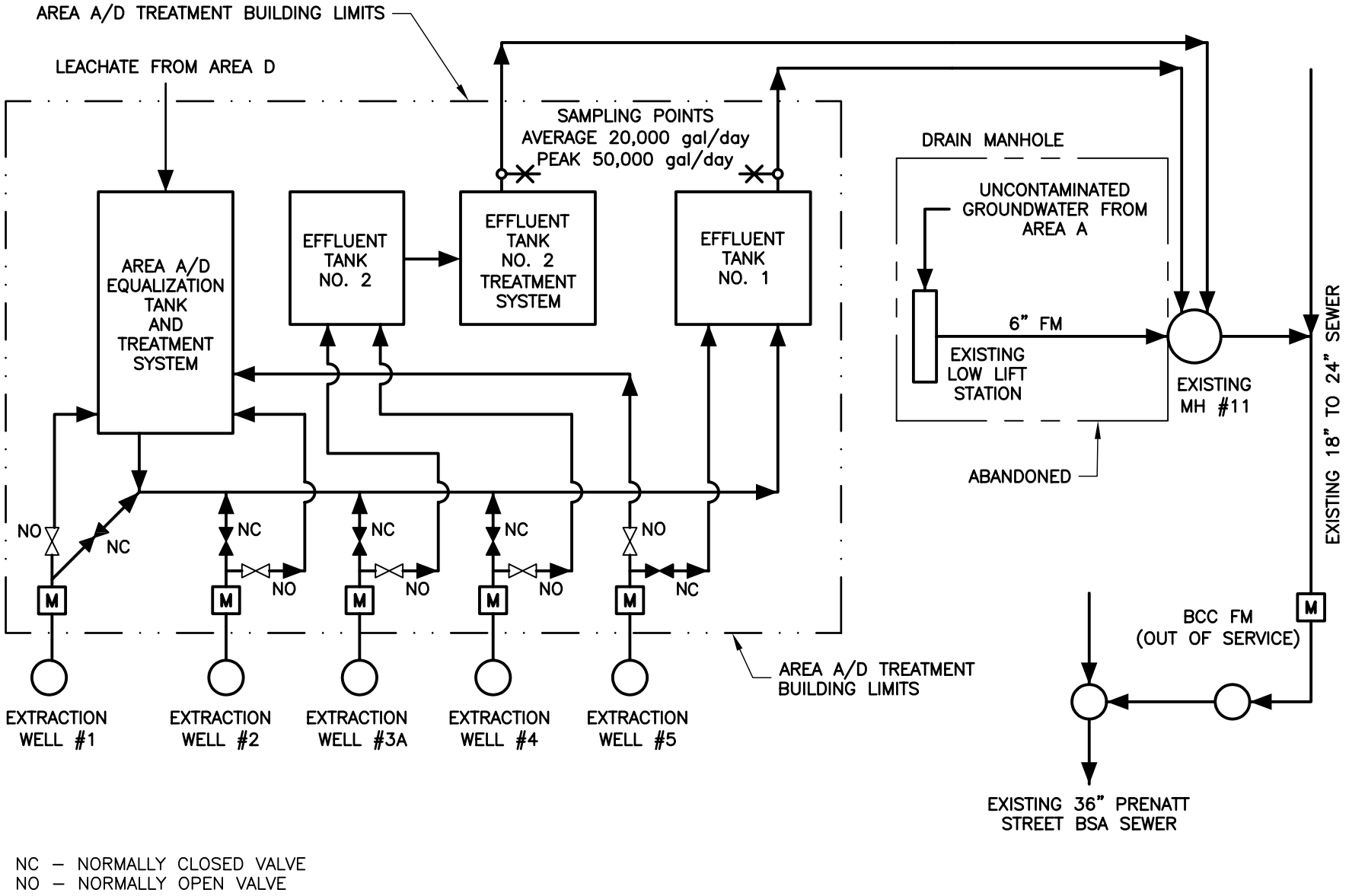
G. CONFIDENTIALITY

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



NC – NORMALLY CLOSED VALVE
NO – NORMALLY OPEN VALVE

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-107637-1
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:
10/25/2016 2:31:48 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-107637-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD is outside acceptance 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.
B	Compound was found in the blank and sample.

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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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

TestAmerica Job ID: 480-107637-1

Job ID: 480-107637-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-107637-1

Comments
No additional comments.

Receipt
The samples were received on 10/13/2016 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

GC/MS VOA
Method(s) 624: The preservative used in the samples containers provided are not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: BCC BSA SUMP_1016 (480-107637-1) and TRIP BLANK (480-107637-2). The requested target analyte list contains 2-chloroethyl vinyl ether, which is an acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following Volatile sample was composited by the laboratory on 10/13/16 as requested by the client: BCC BSA SUMP_1016 (480-107637-1). 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(s) 625: The laboratory control sample (LCS) for preparation batch 480-325717 recovered outside control limits for the following analytes: Dimethyl phthalate, Diethyl phthalate, and Di-n-butyl phthalate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 625: The continuing calibration verification (CCV) associated with batch 480-325909 recovered above the upper control limit for Benzidine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: BCC BSA SUMP_1016 (480-107637-1).

Method(s) 625: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-325717 was outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

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
Method(s) 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_1016 (480-107637-1).

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- Quarterly BSA SUMP

TestAmerica Job ID: 480-107637-1

Client Sample ID: BCC BSA SUMP_1016 — Lab Sample ID: 480-107637-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	3.7	J	5.0	0.48	ug/L	1		624	Total/NA
Aniline	25	F2 F1	9.6	1.4	ug/L	1		625	Total/NA
Phenol	89	F2 F1	4.8	0.34	ug/L	1		625	Total/NA
Chromium	0.0033	J	0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0031	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0040	J	0.010	0.0030	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.0015	J	0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0050	J B	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Phenolics, Total Recoverable	0.028		0.010	0.0050	mg/L	1		420.1	Total/NA
Cyanide, Amenable	0.015		0.010	0.0050	mg/L	1		SM 4500 CN G	Total/NA
Phosphorus	0.49		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	4.5	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Total Suspended Solids	6.4		4.0	4.0	mg/L	1		SM 2540D	Total/NA
pH	7.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-107637-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-107637-1

Client Sample ID: BCC BSA SUMP_1016
Date Collected: 10/13/16 10:30
Date Received: 10/13/16 15:55

Lab Sample ID: 480-107637-1
Matrix: Water

Method: 624 - 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			10/13/16 23:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/13/16 23:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/13/16 23:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/13/16 23:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/13/16 23:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/13/16 23:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/13/16 23:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/13/16 23:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/13/16 23:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/13/16 23:27	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/13/16 23:27	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/13/16 23:27	1
Acrolein	ND		100	17	ug/L			10/13/16 23:27	1
Acrylonitrile	ND		50	1.9	ug/L			10/13/16 23:27	1
Benzene	ND		5.0	0.60	ug/L			10/13/16 23:27	1
Bromoform	ND		5.0	0.47	ug/L			10/13/16 23:27	1
Bromomethane	ND		5.0	1.2	ug/L			10/13/16 23:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/13/16 23:27	1
Chlorobenzene	**3.7**	**J**	5.0	0.48	ug/L			10/13/16 23:27	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/13/16 23:27	1
Chloroethane	ND		5.0	0.87	ug/L			10/13/16 23:27	1
Chloroform	ND		5.0	0.54	ug/L			10/13/16 23:27	1
Chloromethane	ND		5.0	0.64	ug/L			10/13/16 23:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/13/16 23:27	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/13/16 23:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/13/16 23:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/13/16 23:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/13/16 23:27	1
Toluene	ND		5.0	0.45	ug/L			10/13/16 23:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/13/16 23:27	1
Trichloroethene	ND		5.0	0.60	ug/L			10/13/16 23:27	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/13/16 23:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/13/16 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*10/13/16 23:27*	*1*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*10/13/16 23:27*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*10/13/16 23:27*	*1*
Dibromofluoromethane (Surr)	*97*		*78 - 120*		*10/13/16 23:27*	*1*

Method: 625 - 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		10/14/16 15:16	10/17/16 14:22	1
1,2-Dichlorobenzene	ND		9.6	4.8	ug/L		10/14/16 15:16	10/17/16 14:22	1
1,2-Diphenylhydrazine	ND		9.6	0.75	ug/L		10/14/16 15:16	10/17/16 14:22	1
1,3-Dichlorobenzene	ND		9.6	0.66	ug/L		10/14/16 15:16	10/17/16 14:22	1
1,4-Dichlorobenzene	ND		9.6	5.4	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,2'-oxybis[1-chloropropane]	ND		4.8	0.81	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,4,6-Trichlorophenol	ND		4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,4-Dichlorophenol	ND		4.8	0.74	ug/L		10/14/16 15:16	10/17/16 14:22	1

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

TestAmerica Job ID: 480-107637-1

Client Sample ID: BCC BSA SUMP_1016
Date Collected: 10/13/16 10:30
Date Received: 10/13/16 15:55

Lab Sample ID: 480-107637-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,4-Dinitrophenol	ND		9.6	4.8	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,4-Dinitrotoluene	ND		4.8	4.8	ug/L		10/14/16 15:16	10/17/16 14:22	1
2,6-Dinitrotoluene	ND		4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
2-Chloronaphthalene	ND		4.8	0.88	ug/L		10/14/16 15:16	10/17/16 14:22	1
2-Chlorophenol	ND		4.8	0.63	ug/L		10/14/16 15:16	10/17/16 14:22	1
2-Nitrophenol	ND		4.8	0.67	ug/L		10/14/16 15:16	10/17/16 14:22	1
3,3'-Dichlorobenzidine	ND		4.8	0.79	ug/L		10/14/16 15:16	10/17/16 14:22	1
4,6-Dinitro-2-methylphenol	ND		9.6	0.63	ug/L		10/14/16 15:16	10/17/16 14:22	1
4-Bromophenyl phenyl ether	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
4-Chloro-3-methylphenol	ND		4.8	1.1	ug/L		10/14/16 15:16	10/17/16 14:22	1
4-Chlorophenyl phenyl ether	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
4-Nitrophenol	ND		9.6	9.6	ug/L		10/14/16 15:16	10/17/16 14:22	1
Acenaphthene	ND		4.8	0.78	ug/L		10/14/16 15:16	10/17/16 14:22	1
Acenaphthylene	ND		4.8	0.84	ug/L		10/14/16 15:16	10/17/16 14:22	1
Aniline	**25**	**F2 F1**	9.6	1.4	ug/L		10/14/16 15:16	10/17/16 14:22	1
Anthracene	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzidine	ND	F1	77	34	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzo[a]anthracene	ND		4.8	1.1	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzo[a]pyrene	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzo[b]fluoranthene	ND		4.8	1.2	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzo[g,h,i]perylene	ND		4.8	1.4	ug/L		10/14/16 15:16	10/17/16 14:22	1
Benzo[k]fluoranthene	ND		4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1
Bis(2-chloroethoxy)methane	ND		4.8	0.72	ug/L		10/14/16 15:16	10/17/16 14:22	1
Bis(2-chloroethyl)ether	ND		4.8	0.89	ug/L		10/14/16 15:16	10/17/16 14:22	1
Bis(2-ethylhexyl) phthalate	ND		9.6	1.2	ug/L		10/14/16 15:16	10/17/16 14:22	1
Butyl benzyl phthalate	ND	F2	4.8	1.1	ug/L		10/14/16 15:16	10/17/16 14:22	1
Chrysene	ND	F2	4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
Decane	ND		9.6	1.5	ug/L		10/14/16 15:16	10/17/16 14:22	1
Dibenz(a,h)anthracene	ND		4.8	1.4	ug/L		10/14/16 15:16	10/17/16 14:22	1
Diethyl phthalate	ND	F1 *	4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
Dimethyl phthalate	ND	F1 *	4.8	0.88	ug/L		10/14/16 15:16	10/17/16 14:22	1
Di-n-butyl phthalate	ND	F1 *	4.8	1.5	ug/L		10/14/16 15:16	10/17/16 14:22	1
Di-n-octyl phthalate	ND		4.8	1.2	ug/L		10/14/16 15:16	10/17/16 14:22	1
Fluoranthene	ND		4.8	1.5	ug/L		10/14/16 15:16	10/17/16 14:22	1
Fluorene	ND		4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
Hexachlorobenzene	ND	F2	4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
Hexachlorobutadiene	ND		4.8	0.96	ug/L		10/14/16 15:16	10/17/16 14:22	1
Hexachlorocyclopentadiene	ND		4.8	4.8	ug/L		10/14/16 15:16	10/17/16 14:22	1
Hexachloroethane	ND		4.8	0.58	ug/L		10/14/16 15:16	10/17/16 14:22	1
Indeno[1,2,3-cd]pyrene	ND		4.8	1.4	ug/L		10/14/16 15:16	10/17/16 14:22	1
Isophorone	ND		4.8	0.71	ug/L		10/14/16 15:16	10/17/16 14:22	1
Naphthalene	ND		4.8	0.83	ug/L		10/14/16 15:16	10/17/16 14:22	1
Nitrobenzene	ND		4.8	0.78	ug/L		10/14/16 15:16	10/17/16 14:22	1
N-Nitrosodimethylamine	ND		9.6	4.8	ug/L		10/14/16 15:16	10/17/16 14:22	1
N-Nitrosodi-n-propylamine	ND		4.8	0.86	ug/L		10/14/16 15:16	10/17/16 14:22	1
N-Nitrosodiphenylamine	ND		4.8	0.38	ug/L		10/14/16 15:16	10/17/16 14:22	1
n-Octadecane	ND		9.6	1.2	ug/L		10/14/16 15:16	10/17/16 14:22	1
Pentachlorophenol	ND		9.6	1.5	ug/L		10/14/16 15:16	10/17/16 14:22	1

Client Sample ID: BCC BSA SUMP_1016
Date Collected: 10/13/16 10:30
Date Received: 10/13/16 15:55

Lab Sample ID: 480-107637-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		4.8	1.2	ug/L		10/14/16 15:16	10/17/16 14:22	1
Phenol	**89**	**F2 F1**	4.8	0.34	ug/L		10/14/16 15:16	10/17/16 14:22	1
Pyrene	ND	F1	4.8	1.3	ug/L		10/14/16 15:16	10/17/16 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*52 - 151*	*10/14/16 15:16*	*10/17/16 14:22*	*1*
2-Fluorobiphenyl	*103*		*44 - 120*	*10/14/16 15:16*	*10/17/16 14:22*	*1*
2-Fluorophenol	*61*		*17 - 120*	*10/14/16 15:16*	*10/17/16 14:22*	*1*
Nitrobenzene-d5	*91*		*42 - 120*	*10/14/16 15:16*	*10/17/16 14:22*	*1*
Phenol-d5	*44*		*10 - 120*	*10/14/16 15:16*	*10/17/16 14:22*	*1*
p-Terphenyl-d14	*91*		*22 - 125*	*10/14/16 15:16*	*10/17/16 14:22*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.058	0.036	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1221	ND		0.058	0.036	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1232	ND		0.058	0.036	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1242	ND		0.058	0.036	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1248	ND		0.058	0.036	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1254	ND		0.058	0.030	ug/L		10/14/16 15:03	10/15/16 02:06	1
PCB-1260	ND		0.058	0.030	ug/L		10/14/16 15:03	10/15/16 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*36 - 121*	*10/14/16 15:03*	*10/15/16 02:06*	*1*
Tetrachloro-m-xylene	*63*		*42 - 135*	*10/14/16 15:03*	*10/15/16 02:06*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0033**	**J**	0.0040	0.0010	mg/L		10/15/16 11:01	10/17/16 18:28	1
Copper	**0.0031**	**J**	0.010	0.0016	mg/L		10/15/16 11:01	10/17/16 18:28	1
Lead	**0.0040**	**J**	0.010	0.0030	mg/L		10/15/16 11:01	10/17/16 18:28	1
Nickel	**0.0015**	**J**	0.010	0.0013	mg/L		10/15/16 11:01	10/17/16 18:28	1
Zinc	**0.0050**	**J B**	0.010	0.0015	mg/L		10/15/16 11:01	10/17/16 18:28	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		10/14/16 07:55	10/14/16 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	**0.028**		0.010	0.0050	mg/L		10/20/16 08:00	10/22/16 11:30	1
Cyanide, Amenable	**0.015**		0.010	0.0050	mg/L			10/20/16 14:25	1
Phosphorus	**0.49**		0.010	0.0050	mg/L as P			10/18/16 11:35	1
Biochemical Oxygen Demand	**4.5**	**b**	2.0	2.0	mg/L			10/14/16 09:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**6.4**		4.0	4.0	mg/L			10/17/16 07:33	1
pH	**7.7**	**HF**	0.1	0.1	SU			10/14/16 15:26	1

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

TestAmerica Job ID: 480-107637-1

Client Sample ID: TRIP BLANK
Date Collected: 10/13/16 00:00
Date Received: 10/13/16 15:55

Lab Sample ID: 480-107637-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			10/13/16 23:50	1
Acrylonitrile	ND		100	1.9	ug/L			10/13/16 23:50	1
Benzene	ND		5.0	0.60	ug/L			10/13/16 23:50	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/13/16 23:50	1
Bromoform	ND		5.0	0.47	ug/L			10/13/16 23:50	1
Bromomethane	ND		5.0	1.2	ug/L			10/13/16 23:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/13/16 23:50	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/13/16 23:50	1
Chloroethane	ND		5.0	0.87	ug/L			10/13/16 23:50	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/13/16 23:50	1
Chloroform	ND		5.0	0.54	ug/L			10/13/16 23:50	1
Chloromethane	ND		5.0	0.64	ug/L			10/13/16 23:50	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/13/16 23:50	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/13/16 23:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/13/16 23:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/13/16 23:50	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/13/16 23:50	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/13/16 23:50	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/13/16 23:50	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/13/16 23:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/13/16 23:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/13/16 23:50	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/13/16 23:50	1
Toluene	ND		5.0	0.45	ug/L			10/13/16 23:50	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/13/16 23:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/13/16 23:50	1
Trichloroethene	ND		5.0	0.60	ug/L			10/13/16 23:50	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/13/16 23:50	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/13/16 23:50	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/13/16 23:50	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/13/16 23:50	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/13/16 23:50	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/13/16 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*10/13/16 23:50*	*1*
4-Bromofluorobenzene (Surr)	*117*		*80 - 120*		*10/13/16 23:50*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*10/13/16 23:50*	*1*
Dibromofluoromethane (Surr)	*92*		*78 - 120*		*10/13/16 23:50*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-107637-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(77-120)	(78-120)
480-107637-1	BCC BSA SUMP_1016	107	115	96	97
480-107637-2	TRIP BLANK	104	117	94	92
LCS 480-325417/6	Lab Control Sample	105	111	97	94
MB 480-325417/8	Method Blank	108	112	97	94

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 625 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(42-120)	(10-120)	(22-125)
480-107637-1	BCC BSA SUMP_1016	112	103	61	91	44	91
480-107637-1 MS	BCC BSA SUMP_1016	106	95	79	93	68	83
480-107637-1 MSD	BCC BSA SUMP_1016	125	108	85	103	74	101
LCS 480-325717/2-A	Lab Control Sample	116	109	63	102	47	108
MB 480-325717/1-A	Method Blank	91	101	55	85	43	104

Surrogate Legend

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

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(36-121)	(42-135)
480-107637-1	BCC BSA SUMP_1016	55	63
LCS 480-325713/2-A	Lab Control Sample	64	75
MB 480-325713/1-A	Method Blank	60	66

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-325417/8
Matrix: Water
Analysis Batch: 325417

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/13/16 15:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/13/16 15:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/13/16 15:27	1
Acrolein	ND		100	17	ug/L			10/13/16 15:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/13/16 15:27	1
Acrylonitrile	ND		50	1.9	ug/L			10/13/16 15:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/13/16 15:27	1
Benzene	ND		5.0	0.60	ug/L			10/13/16 15:27	1
Bromoform	ND		5.0	0.47	ug/L			10/13/16 15:27	1
Bromomethane	ND		5.0	1.2	ug/L			10/13/16 15:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/13/16 15:27	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/13/16 15:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/13/16 15:27	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/13/16 15:27	1
Chloroethane	ND		5.0	0.87	ug/L			10/13/16 15:27	1
Chloroform	ND		5.0	0.54	ug/L			10/13/16 15:27	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/13/16 15:27	1
Chloromethane	ND		5.0	0.64	ug/L			10/13/16 15:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/13/16 15:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/13/16 15:27	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/13/16 15:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/13/16 15:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/13/16 15:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/13/16 15:27	1
Toluene	ND		5.0	0.45	ug/L			10/13/16 15:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/13/16 15:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/13/16 15:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/13/16 15:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/13/16 15:27	1
Trichloroethene	ND		5.0	0.60	ug/L			10/13/16 15:27	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/13/16 15:27	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/13/16 15:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/13/16 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/13/16 15:27*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*10/13/16 15:27*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*10/13/16 15:27*	*1*
Dibromofluoromethane (Surr)	*94*		*78 - 120*		*10/13/16 15:27*	*1*

Lab Sample ID: LCS 480-325417/6
Matrix: Water
Analysis Batch: 325417

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	20.0	18.4	J	ug/L		92	1 - 305
1,1-Dichloroethane	20.0	21.7		ug/L		109	59 - 155
1,2-Dichloroethane	20.0	22.9		ug/L		115	49 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-325417/6
Matrix: Water
Analysis Batch: 325417

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	19.3		ug/L		97	1 - 234
1,2-Dichloropropane	20.0	22.4		ug/L		112	1 - 210
Benzene	20.0	20.8		ug/L		104	37 - 151
Bromoform	20.0	17.5		ug/L		88	45 - 169
Bromomethane	20.0	20.3		ug/L		101	1 - 242
Carbon tetrachloride	20.0	21.6		ug/L		108	70 - 140
Chlorobenzene	20.0	20.1		ug/L		101	37 - 160
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	46 - 157
Dibromochloromethane	20.0	17.9		ug/L		90	53 - 149
Chloroethane	20.0	22.0		ug/L		110	14 - 230
Chloroform	20.0	21.8		ug/L		109	51 - 138
1,1,1-Trichloroethane	20.0	21.5		ug/L		107	52 - 162
Chloromethane	20.0	19.5		ug/L		98	1 - 273
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	52 - 150
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	1 - 227
Bromodichloromethane	20.0	20.6		ug/L		103	35 - 155
Ethylbenzene	20.0	21.2		ug/L		106	37 - 162
Methylene Chloride	20.0	20.2		ug/L		101	1 - 221
Tetrachloroethene	20.0	18.8		ug/L		94	64 - 148
Toluene	20.0	19.6		ug/L		98	47 - 150
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	18 - 190
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	17 - 183
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	59 - 156
Trichloroethene	20.0	20.6		ug/L		103	71 - 157
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	18 - 190
Trichlorofluoromethane	20.0	21.9		ug/L		109	17 - 181
Vinyl chloride	20.0	21.3		ug/L		107	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*97*		*77 - 120*
Dibromofluoromethane (Surr)	*94*		*78 - 120*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-325717/1-A
Matrix: Water
Analysis Batch: 325909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		10/14/16 15:16	10/17/16 12:09	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		10/14/16 15:16	10/17/16 12:09	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		10/14/16 15:16	10/17/16 12:09	1
1,4-Dichlorobenzene	ND		10	5.6	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-325717/1-A
Matrix: Water
Analysis Batch: 325909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		10/14/16 15:16	10/17/16 12:09	1
2-Chlorophenol	ND		5.0	0.66	ug/L		10/14/16 15:16	10/17/16 12:09	1
2-Nitrophenol	ND		5.0	0.70	ug/L		10/14/16 15:16	10/17/16 12:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		10/14/16 15:16	10/17/16 12:09	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		10/14/16 15:16	10/17/16 12:09	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		10/14/16 15:16	10/17/16 12:09	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		10/14/16 15:16	10/17/16 12:09	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		10/14/16 15:16	10/17/16 12:09	1
4-Nitrophenol	ND		10	10	ug/L		10/14/16 15:16	10/17/16 12:09	1
Acenaphthene	ND		5.0	0.81	ug/L		10/14/16 15:16	10/17/16 12:09	1
Acenaphthylene	ND		5.0	0.87	ug/L		10/14/16 15:16	10/17/16 12:09	1
Aniline	ND		10	1.5	ug/L		10/14/16 15:16	10/17/16 12:09	1
Anthracene	ND		5.0	1.4	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzidine	ND		80	35	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		10/14/16 15:16	10/17/16 12:09	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		10/14/16 15:16	10/17/16 12:09	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		10/14/16 15:16	10/17/16 12:09	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		10/14/16 15:16	10/17/16 12:09	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		10/14/16 15:16	10/17/16 12:09	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		10/14/16 15:16	10/17/16 12:09	1
Chrysene	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Decane	ND		10	1.6	ug/L		10/14/16 15:16	10/17/16 12:09	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		10/14/16 15:16	10/17/16 12:09	1
Diethyl phthalate	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		10/14/16 15:16	10/17/16 12:09	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		10/14/16 15:16	10/17/16 12:09	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		10/14/16 15:16	10/17/16 12:09	1
Fluoranthene	ND		5.0	1.6	ug/L		10/14/16 15:16	10/17/16 12:09	1
Fluorene	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
Hexachloroethane	ND		5.0	0.60	ug/L		10/14/16 15:16	10/17/16 12:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		10/14/16 15:16	10/17/16 12:09	1
Isophorone	ND		5.0	0.74	ug/L		10/14/16 15:16	10/17/16 12:09	1
Naphthalene	ND		5.0	0.86	ug/L		10/14/16 15:16	10/17/16 12:09	1
Nitrobenzene	ND		5.0	0.81	ug/L		10/14/16 15:16	10/17/16 12:09	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		10/14/16 15:16	10/17/16 12:09	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		10/14/16 15:16	10/17/16 12:09	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		10/14/16 15:16	10/17/16 12:09	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-325717/1-A
Matrix: Water
Analysis Batch: 325909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Octadecane	ND		10	1.2	ug/L		10/14/16 15:16	10/17/16 12:09	1
Pentachlorophenol	ND		10	1.6	ug/L		10/14/16 15:16	10/17/16 12:09	1
Phenanthrene	ND		5.0	1.2	ug/L		10/14/16 15:16	10/17/16 12:09	1
Phenol	ND		5.0	0.35	ug/L		10/14/16 15:16	10/17/16 12:09	1
Pyrene	ND		5.0	1.4	ug/L		10/14/16 15:16	10/17/16 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*52 - 151*	*10/14/16 15:16*	*10/17/16 12:09*	*1*
2-Fluorobiphenyl	*101*		*44 - 120*	*10/14/16 15:16*	*10/17/16 12:09*	*1*
2-Fluorophenol	*55*		*17 - 120*	*10/14/16 15:16*	*10/17/16 12:09*	*1*
Nitrobenzene-d5	*85*		*42 - 120*	*10/14/16 15:16*	*10/17/16 12:09*	*1*
Phenol-d5	*43*		*10 - 120*	*10/14/16 15:16*	*10/17/16 12:09*	*1*
p-Terphenyl-d14	*104*		*22 - 125*	*10/14/16 15:16*	*10/17/16 12:09*	*1*

Lab Sample ID: LCS 480-325717/2-A
Matrix: Water
Analysis Batch: 325909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	51.5		ug/L		103	44 - 142
1,2-Dichlorobenzene	50.0	46.0		ug/L		92	32 - 129
1,3-Dichlorobenzene	50.0	44.4		ug/L		89	1 - 172
1,4-Dichlorobenzene	50.0	45.3		ug/L		91	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	48.8		ug/L		98	36 - 166
2,4,6-Trichlorophenol	50.0	58.4		ug/L		117	37 - 144
2,4-Dichlorophenol	50.0	55.0		ug/L		110	39 - 135
2,4-Dimethylphenol	50.0	52.5		ug/L		105	32 - 119
2,4-Dinitrophenol	100	111		ug/L		111	1 - 191
2,4-Dinitrotoluene	50.0	62.8		ug/L		126	39 - 139
2,6-Dinitrotoluene	50.0	61.8		ug/L		124	50 - 158
2-Chloronaphthalene	50.0	52.0		ug/L		104	60 - 118
2-Chlorophenol	50.0	46.8		ug/L		94	23 - 134
2-Nitrophenol	50.0	53.7		ug/L		107	29 - 182
3,3'-Dichlorobenzidine	100	116		ug/L		116	1 - 262
4,6-Dinitro-2-methylphenol	100	115		ug/L		115	1 - 181
4-Bromophenyl phenyl ether	50.0	57.2		ug/L		114	53 - 127
4-Chloro-3-methylphenol	50.0	56.7		ug/L		113	22 - 147
4-Chlorophenyl phenyl ether	50.0	57.5		ug/L		115	25 - 158
4-Nitrophenol	100	63.8		ug/L		64	1 - 132
Acenaphthene	50.0	56.1		ug/L		112	47 - 145
Acenaphthylene	50.0	56.6		ug/L		113	33 - 145
Aniline	50.0	35.4		ug/L		71	40 - 120
Anthracene	50.0	59.3		ug/L		119	27 - 133
Benzo[a]anthracene	50.0	58.4		ug/L		117	33 - 143
Benzo[a]pyrene	50.0	57.0		ug/L		114	17 - 163
Benzo[b]fluoranthene	50.0	56.0		ug/L		112	24 - 159
Benzo[g,h,i]perylene	50.0	61.4		ug/L		123	1 - 219
Benzo[k]fluoranthene	50.0	55.8		ug/L		112	11 - 162

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-325717/2-A
Matrix: Water
Analysis Batch: 325909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	50.0	53.2		ug/L		106	33 - 184
Bis(2-chloroethyl)ether	50.0	48.5		ug/L		97	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	59.3		ug/L		119	8 - 158
Butyl benzyl phthalate	50.0	59.3		ug/L		119	1 - 152
Chrysene	50.0	57.7		ug/L		115	17 - 168
Dibenz(a,h)anthracene	50.0	60.4		ug/L		121	1 - 227
Diethyl phthalate	50.0	60.5	*	ug/L		121	1 - 114
Dimethyl phthalate	50.0	60.3	*	ug/L		121	1 - 112
Di-n-butyl phthalate	50.0	60.0	*	ug/L		120	1 - 118
Di-n-octyl phthalate	50.0	61.4		ug/L		123	4 - 146
Fluoranthene	50.0	59.9		ug/L		120	26 - 137
Fluorene	50.0	57.9		ug/L		116	59 - 121
Hexachlorobenzene	50.0	57.6		ug/L		115	1 - 152
Hexachlorocyclopentadiene	50.0	45.2		ug/L		90	5 - 120
Hexachloroethane	50.0	45.8		ug/L		92	40 - 113
Indeno[1,2,3-cd]pyrene	50.0	59.7		ug/L		119	1 - 171
Isophorone	50.0	55.7		ug/L		111	21 - 196
Naphthalene	50.0	51.9		ug/L		104	21 - 133
Nitrobenzene	50.0	49.3		ug/L		99	35 - 180
N-Nitrosodi-n-propylamine	50.0	53.9		ug/L		108	1 - 230
N-Nitrosodiphenylamine	50.0	57.4		ug/L		115	54 - 125
Pentachlorophenol	100	103		ug/L		103	14 - 176
Phenanthrene	50.0	58.9		ug/L		118	54 - 120
Phenol	50.0	25.1		ug/L		50	5 - 112
Pyrene	50.0	57.0		ug/L		114	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*116*		*52 - 151*
2-Fluorobiphenyl	*109*		*44 - 120*
2-Fluorophenol	*63*		*17 - 120*
Nitrobenzene-d5	*102*		*42 - 120*
Phenol-d5	*47*		*10 - 120*
p-Terphenyl-d14	*108*		*22 - 125*

Lab Sample ID: 480-107637-1 MS
Matrix: Water
Analysis Batch: 325909

Client Sample ID: BCC BSA SUMP_1016
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		100	88.6		ug/L		89	44 - 142
1,2-Dichlorobenzene	ND		100	85.1		ug/L		85	32 - 129
1,3-Dichlorobenzene	ND		100	85.3		ug/L		85	1 - 172
1,4-Dichlorobenzene	ND		100	83.4		ug/L		83	20 - 124
2,2'-oxybis[1-chloropropane]	ND		100	85.7		ug/L		86	36 - 166
2,4,6-Trichlorophenol	ND		100	103		ug/L		103	37 - 144
2,4-Dichlorophenol	ND		100	99.6		ug/L		100	39 - 135
2,4-Dimethylphenol	ND		100	96.5		ug/L		97	32 - 119
2,4-Dinitrophenol	ND		200	208		ug/L		104	1 - 191

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-107637-1 MS
Matrix: Water
Analysis Batch: 325909

Client Sample ID: BCC BSA SUMP_1016
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	ND		100	112		ug/L		112	39 - 139
2,6-Dinitrotoluene	ND		100	110		ug/L		110	50 - 158
2-Chloronaphthalene	ND		100	96.1		ug/L		96	60 - 118
2-Chlorophenol	ND		100	90.4		ug/L		90	23 - 134
2-Nitrophenol	ND		100	100		ug/L		100	29 - 182
3,3'-Dichlorobenzidine	ND		200	152		ug/L		76	1 - 262
4,6-Dinitro-2-methylphenol	ND		200	209		ug/L		105	1 - 181
4-Bromophenyl phenyl ether	ND		100	99.5		ug/L		100	53 - 127
4-Chloro-3-methylphenol	ND		100	105		ug/L		105	22 - 147
4-Chlorophenyl phenyl ether	ND		100	101		ug/L		101	25 - 158
4-Nitrophenol	ND		200	181		ug/L		90	1 - 132
Acenaphthene	ND		100	98.9		ug/L		99	47 - 145
Acenaphthylene	ND		100	98.8		ug/L		99	33 - 145
Aniline	25	F2 F1	100	58.9	F1	ug/L		33	40 - 120
Anthracene	ND		100	104		ug/L		104	27 - 133
Benzo[a]anthracene	ND		100	103		ug/L		103	33 - 143
Benzo[a]pyrene	ND		100	103		ug/L		103	17 - 163
Benzo[b]fluoranthene	ND		100	98.5		ug/L		99	24 - 159
Benzo[g,h,i]perylene	ND		100	113		ug/L		113	1 - 219
Benzo[k]fluoranthene	ND		100	99.8		ug/L		100	11 - 162
Bis(2-chloroethoxy)methane	ND		100	93.4		ug/L		93	33 - 184
Bis(2-chloroethyl)ether	ND		100	89.8		ug/L		90	12 - 158
Bis(2-ethylhexyl) phthalate	ND		100	106		ug/L		106	8 - 158
Butyl benzyl phthalate	ND	F2	100	102		ug/L		102	1 - 152
Chrysene	ND	F2	100	99.5		ug/L		99	17 - 168
Dibenz(a,h)anthracene	ND		100	110		ug/L		110	1 - 227
Diethyl phthalate	ND	F1 *	100	108		ug/L		108	1 - 114
Dimethyl phthalate	ND	F1 *	100	109		ug/L		109	1 - 112
Di-n-butyl phthalate	ND	F1 *	100	105		ug/L		105	1 - 118
Di-n-octyl phthalate	ND		100	107		ug/L		107	4 - 146
Fluoranthene	ND		100	104		ug/L		104	26 - 137
Fluorene	ND		100	101		ug/L		101	59 - 121
Hexachlorobenzene	ND	F2	100	100		ug/L		100	1 - 152
Hexachlorocyclopentadiene	ND		100	84.6		ug/L		85	5 - 120
Hexachloroethane	ND		100	80.6		ug/L		81	40 - 113
Indeno[1,2,3-cd]pyrene	ND		100	110		ug/L		110	1 - 171
Isophorone	ND		100	99.5		ug/L		99	21 - 196
Naphthalene	ND		100	93.2		ug/L		93	21 - 133
Nitrobenzene	ND		100	104		ug/L		104	35 - 180
N-Nitrosodi-n-propylamine	ND		100	96.1		ug/L		96	1 - 230
N-Nitrosodiphenylamine	ND		100	103		ug/L		103	54 - 125
Pentachlorophenol	ND		200	184		ug/L		92	14 - 176
Phenanthrene	ND		100	102		ug/L		102	54 - 120
Phenol	89	F2 F1	100	71.8	F1	ug/L		-17	5 - 112
Pyrene	ND	F1	100	101		ug/L		101	52 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*106*		*52 - 151*

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-107637-1 MS
Matrix: Water
Analysis Batch: 325909

Client Sample ID: BCC BSA SUMP_1016
Prep Type: Total/NA
Prep Batch: 325717

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*44 - 120*
2-Fluorophenol	*79*		*17 - 120*
Nitrobenzene-d5	*93*		*42 - 120*
Phenol-d5	*68*		*10 - 120*
p-Terphenyl-d14	*83*		*22 - 125*

Lab Sample ID: 480-107637-1 MSD
Matrix: Water
Analysis Batch: 325909

Client Sample ID: BCC BSA SUMP_1016
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		100	103		ug/L		103	44 - 142	15	34
1,2-Dichlorobenzene	ND		100	93.1		ug/L		93	32 - 129	9	38
1,3-Dichlorobenzene	ND		100	92.4		ug/L		92	1 - 172	8	37
1,4-Dichlorobenzene	ND		100	92.3		ug/L		92	20 - 124	10	40
2,2'-oxybis[1-chloropropane]	ND		100	95.1		ug/L		95	36 - 166	10	36
2,4,6-Trichlorophenol	ND		100	114		ug/L		114	37 - 144	10	20
2,4-Dichlorophenol	ND		100	110		ug/L		110	39 - 135	10	23
2,4-Dimethylphenol	ND		100	107		ug/L		107	32 - 119	10	18
2,4-Dinitrophenol	ND		200	226		ug/L		113	1 - 191	8	29
2,4-Dinitrotoluene	ND		100	123		ug/L		123	39 - 139	10	20
2,6-Dinitrotoluene	ND		100	117		ug/L		117	50 - 158	6	17
2-Chloronaphthalene	ND		100	106		ug/L		106	60 - 118	10	30
2-Chlorophenol	ND		100	98.7		ug/L		99	23 - 134	9	26
2-Nitrophenol	ND		100	109		ug/L		109	29 - 182	8	28
3,3'-Dichlorobenzidine	ND		200	179		ug/L		89	1 - 262	16	31
4,6-Dinitro-2-methylphenol	ND		200	238		ug/L		119	1 - 181	13	30
4-Bromophenyl phenyl ether	ND		100	116		ug/L		116	53 - 127	15	16
4-Chloro-3-methylphenol	ND		100	116		ug/L		116	22 - 147	10	16
4-Chlorophenyl phenyl ether	ND		100	111		ug/L		111	25 - 158	10	15
4-Nitrophenol	ND		200	187		ug/L		94	1 - 132	4	24
Acenaphthene	ND		100	109		ug/L		109	47 - 145	10	25
Acenaphthylene	ND		100	108		ug/L		108	33 - 145	9	22
Aniline	25	F2 F1	100	94.2	F2	ug/L		69	40 - 120	46	30
Anthracene	ND		100	117		ug/L		117	27 - 133	12	15
Benzo[a]anthracene	ND		100	120		ug/L		120	33 - 143	15	15
Benzo[a]pyrene	ND		100	117		ug/L		117	17 - 163	12	15
Benzo[b]fluoranthene	ND		100	112		ug/L		112	24 - 159	13	17
Benzo[g,h,i]perylene	ND		100	124		ug/L		124	1 - 219	9	19
Benzo[k]fluoranthene	ND		100	113		ug/L		113	11 - 162	12	19
Bis(2-chloroethoxy)methane	ND		100	104		ug/L		104	33 - 184	11	23
Bis(2-chloroethyl)ether	ND		100	99.4		ug/L		99	12 - 158	10	33
Bis(2-ethylhexyl) phthalate	ND		100	122		ug/L		122	8 - 158	14	15
Butyl benzyl phthalate	ND	F2	100	122	F2	ug/L		122	1 - 152	17	15
Chrysene	ND	F2	100	117	F2	ug/L		117	17 - 168	16	15
Dibenz(a,h)anthracene	ND		100	123		ug/L		123	1 - 227	10	18
Diethyl phthalate	ND	F1 *	100	117	F1	ug/L		117	1 - 114	8	15
Dimethyl phthalate	ND	F1 *	100	117	F1	ug/L		117	1 - 112	8	15

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-107637-1 MSD
Matrix: Water
Analysis Batch: 325909

Client Sample ID: BCC BSA SUMP_1016
Prep Type: Total/NA
Prep Batch: 325717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND	F1 *	100	120	F1	ug/L		120	1 - 118	13	15
Di-n-octyl phthalate	ND		100	124		ug/L		124	4 - 146	14	15
Fluoranthene	ND		100	118		ug/L		118	26 - 137	12	15
Fluorene	ND		100	112		ug/L		112	59 - 121	10	18
Hexachlorobenzene	ND	F2	100	119	F2	ug/L		119	1 - 152	17	15
Hexachlorocyclopentadiene	ND		100	98.2		ug/L		98	5 - 120	15	50
Hexachloroethane	ND		100	89.4		ug/L		89	40 - 113	10	43
Indeno[1,2,3-cd]pyrene	ND		100	121		ug/L		121	1 - 171	9	17
Isophorone	ND		100	109		ug/L		109	21 - 196	10	21
Naphthalene	ND		100	103		ug/L		103	21 - 133	10	31
Nitrobenzene	ND		100	112		ug/L		112	35 - 180	8	27
N-Nitrosodi-n-propylamine	ND		100	108		ug/L		108	1 - 230	12	23
N-Nitrosodiphenylamine	ND		100	115		ug/L		115	54 - 125	11	15
Pentachlorophenol	ND		200	218		ug/L		109	14 - 176	17	21
Phenanthrene	ND		100	115		ug/L		115	54 - 120	12	16
Phenol	89	F2 F1	100	174	F2	ug/L		85	5 - 112	83	36
Pyrene	ND	F1	100	117	F1	ug/L		117	52 - 115	15	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*125*		*52 - 151*
2-Fluorobiphenyl	*108*		*44 - 120*
2-Fluorophenol	*85*		*17 - 120*
Nitrobenzene-d5	*103*		*42 - 120*
Phenol-d5	*74*		*10 - 120*
p-Terphenyl-d14	*101*		*22 - 125*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-325713/1-A
Matrix: Water
Analysis Batch: 325774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1221	ND		0.060	0.038	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1232	ND		0.060	0.038	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1242	ND		0.060	0.038	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1248	ND		0.060	0.038	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1254	ND		0.060	0.031	ug/L		10/14/16 15:03	10/15/16 00:14	1
PCB-1260	ND		0.060	0.031	ug/L		10/14/16 15:03	10/15/16 00:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*36 - 121*	*10/14/16 15:03*	*10/15/16 00:14*	*1*
Tetrachloro-m-xylene	*66*		*42 - 135*	*10/14/16 15:03*	*10/15/16 00:14*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 480-325713/2-A
Matrix: Water
Analysis Batch: 325774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.05		ug/L		105	69 - 123
PCB-1260	1.00	0.943		ug/L		94	69 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*36 - 121*
Tetrachloro-m-xylene	*75*		*42 - 135*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-325746/1-A
Matrix: Water
Analysis Batch: 326189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		10/15/16 11:01	10/17/16 17:41	1
Copper	ND		0.010	0.0016	mg/L		10/15/16 11:01	10/17/16 17:41	1
Lead	ND		0.010	0.0030	mg/L		10/15/16 11:01	10/17/16 17:41	1
Nickel	ND		0.010	0.0013	mg/L		10/15/16 11:01	10/17/16 17:41	1
Zinc	0.00323	J	0.010	0.0015	mg/L		10/15/16 11:01	10/17/16 17:41	1

Lab Sample ID: LCS 480-325746/2-A
Matrix: Water
Analysis Batch: 326189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325746

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	0.197		mg/L		98	85 - 115
Lead	0.200	0.199		mg/L		100	85 - 115
Nickel	0.200	0.194		mg/L		97	85 - 115
Zinc	0.200	0.195		mg/L		98	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-325576/1-A
Matrix: Water
Analysis Batch: 325683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/14/16 07:55	10/14/16 12:40	1

Lab Sample ID: LCS 480-325576/2-A
Matrix: Water
Analysis Batch: 325683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00727		mg/L		109	85 - 115

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-326769/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 327145 — **Prep Batch: 326769**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/16 08:00	10/22/16 10:33	1

Lab Sample ID: LCS 480-326769/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 327145 — **Prep Batch: 326769**

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

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

Lab Sample ID: MB 480-325942/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325942

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/17/16 07:33	1

Lab Sample ID: LCS 480-325942/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	238	235.2		mg/L		99	88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-325753/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325753

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 480-326245/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 326245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L as P			10/18/16 11:35	1

Method: SM 4500 P E - Phosphorus (Continued)

Lab Sample ID: LCS 480-326245/4
Matrix: Water
Analysis Batch: 326245

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	0.194		mg/L as P		97	90 - 110

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-325668/1
Matrix: Water
Analysis Batch: 325668

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			10/14/16 09:59	1

Lab Sample ID: LCS 480-325668/2
Matrix: Water
Analysis Batch: 325668

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	216.8		mg/L		109	85 - 115

GC/MS VOA

Analysis Batch: 325417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	624	
480-107637-2	TRIP BLANK	Total/NA	Water	624	
MB 480-325417/8	Method Blank	Total/NA	Water	624	
LCS 480-325417/6	Lab Control Sample	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 325717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	625	
MB 480-325717/1-A	Method Blank	Total/NA	Water	625	
LCS 480-325717/2-A	Lab Control Sample	Total/NA	Water	625	
480-107637-1 MS	BCC BSA SUMP_1016	Total/NA	Water	625	
480-107637-1 MSD	BCC BSA SUMP_1016	Total/NA	Water	625	

Analysis Batch: 325909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	625	325717
MB 480-325717/1-A	Method Blank	Total/NA	Water	625	325717
LCS 480-325717/2-A	Lab Control Sample	Total/NA	Water	625	325717
480-107637-1 MS	BCC BSA SUMP_1016	Total/NA	Water	625	325717
480-107637-1 MSD	BCC BSA SUMP_1016	Total/NA	Water	625	325717

GC Semi VOA

Prep Batch: 325713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	3510C	
MB 480-325713/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-325713/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 325774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	608	325713
MB 480-325713/1-A	Method Blank	Total/NA	Water	608	325713
LCS 480-325713/2-A	Lab Control Sample	Total/NA	Water	608	325713

Metals

Prep Batch: 325576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	245.1	
MB 480-325576/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-325576/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 325683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	245.1	325576
MB 480-325576/1-A	Method Blank	Total/NA	Water	245.1	325576
LCS 480-325576/2-A	Lab Control Sample	Total/NA	Water	245.1	325576

Prep Batch: 325746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	200.7	
MB 480-325746/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-325746/2-A	Lab Control Sample	Total/NA	Water	200.7	

Analysis Batch: 326189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	200.7 Rev 4.4	325746
MB 480-325746/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	325746
LCS 480-325746/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	325746

General Chemistry

Analysis Batch: 325668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	SM 5210B	
USB 480-325668/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 480-325668/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 325753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	SM 4500 H+ B	
LCS 480-325753/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 325942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	SM 2540D	
MB 480-325942/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-325942/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 326245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	SM 4500 P E	
MB 480-326245/3	Method Blank	Total/NA	Water	SM 4500 P E	
LCS 480-326245/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	

Prep Batch: 326769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	Distill/Phenol	
MB 480-326769/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-326769/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	

Analysis Batch: 326772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	SM 4500 CN G	

Analysis Batch: 327145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107637-1	BCC BSA SUMP_1016	Total/NA	Water	420.1	326769
MB 480-326769/1-A	Method Blank	Total/NA	Water	420.1	326769
LCS 480-326769/2-A	Lab Control Sample	Total/NA	Water	420.1	326769

Lab Chronicle

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

TestAmerica Job ID: 480-107637-1

Client Sample ID: BCC BSA SUMP_1016

Lab Sample ID: 480-107637-1

Date Collected: 10/13/16 10:30

Matrix: Water

Date Received: 10/13/16 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	325417	10/13/16 23:27	RJF	TAL BUF
Total/NA	Prep	625			325717	10/14/16 15:16	ARS	TAL BUF
Total/NA	Analysis	625		1	325909	10/17/16 14:22	CAV	TAL BUF
Total/NA	Prep	3510C			325713	10/14/16 15:03	ARS	TAL BUF
Total/NA	Analysis	608		1	325774	10/15/16 02:06	JMO	TAL BUF
Total/NA	Prep	200.7			325746	10/15/16 11:01	MVZ	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	326189	10/17/16 18:28	LMH	TAL BUF
Total/NA	Prep	245.1			325576	10/14/16 07:55	RMZ	TAL BUF
Total/NA	Analysis	245.1		1	325683	10/14/16 13:11	RMZ	TAL BUF
Total/NA	Prep	Distill/Phenol			326769	10/20/16 08:00	CLT	TAL BUF
Total/NA	Analysis	420.1		1	327145	10/22/16 11:30	LED	TAL BUF
Total/NA	Analysis	SM 2540D		1	325942	10/17/16 07:33	EKB	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	326772	10/20/16 14:25	KMF	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	325753	10/14/16 15:26	KMF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	326245	10/18/16 11:35	CLT	TAL BUF
Total/NA	Analysis	SM 5210B		1	325668	10/14/16 09:59	JCL	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-107637-2

Date Collected: 10/13/16 00:00

Matrix: Water

Date Received: 10/13/16 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	325417	10/13/16 23:50	RJF	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-107637-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

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

Method Summary

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

TestAmerica Job ID: 480-107637-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	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

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",

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-107637-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-107637-1	BCC BSA SUMP_1016	Water	10/13/16 10:30	10/13/16 15:55
480-107637-2	TRIP BLANK	Water	10/13/16 00:00	10/13/16 15:55

Quantitation Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc.
TestAmerica Job ID: 480-107637-1
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	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	2,4-Dinitrotoluene	ug/L	5.0	10
625	Water	4-Nitrophenol	ug/L	10	15
625	Water	Hexachlorocyclopentadiene	ug/L	5.0	10

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Schove, John	Site Contact: Tom Wagner	Date: 10-13-16 OSC	COC No: 480031159,1005
Ontario Specialty Contracting Inc.	Tel/Fax: (716) 912-9926	Lab Contact: Schove, John	Carrier:	1 of 1 COCs
333 Ganson Street	Analysis Turnaround Time			Job No. 0913-OMM
Buffalo, NY, 14203	Calendar (C) or Work Days (W)			
716-856-3333 Phone	TAT			
716-842-1630 FAX	[X] 2 weeks			
Project Name: Buffalo Color GWTF Sump	[ ] 1 week			
Site: HoneyWell Buffalo Color - NYC915230	[ ] 2 days			
PO# [redacted] 54084	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	4500_P_E - Phosphorus	200.7 , 245.1	420.4 - Phenolics, Total Recoverable	624_5ml - (MOD) Priority Pollutant List - VOA - 62	608_PCB - Priority Pollutant PCBs	625 - (MOD) Priority Pollutant List - SVOA - 6	5210B - Biochemical Oxygen Demand	2540D - Total Suspended Solids	SM4500CN_G_Calc - Local Method	SM4500_H+ - pH	Sample Specific Notes:
BCC_BSA_Sump_1016	10/13/16	1020	C	W	19	N	1	1	1	8	2	2	1	1	1	1	Lab to composite 624 for BCC BSA Sump samples prior to analysis
Trip Blank	N/A	N/A	N/A	N/A	2					2							
Container Volume (ml)							250	250	250	40	1000	1000	1000	500	250	125	
Preservation: 1= Ice 2= HCl (Hydrochloric) 3= H2SO4 (Sulfuric) 4=HNO3 (Nitric) 5=NaOH (Sodium Hydroxide) 6=Other							3-P	4-P	3-A	2-V	1-A	1-A	1-P	1-P	5-P	1-P	

EW: 480-107637 COC
EW-4:
EW-5:
Composite Percent (%)
DC-1: 80
DC-2: 20

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [X] Unknown

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

Special Instructions/QC Requirements & Comments:
Temp 5.0 #1

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Tom Wagner	OSC	1555 10/13/16		TA	10-13-16 1555
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-107637-1

Login Number: 107637

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	True	Yes: Samples checked, no residual chlorine detected

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	Assodate	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	Comments
10/7/2016	TW	48	48	32	20	45	22	16.1	20	11	13	10	7.21	7	16.1	17,006,518	7	24.1	12,471,005	18	2	8	2	2	y	
10/14/2016	TW	48	47	32	25	44	21	16.1	19	14	14	11	7,21	8	16.3	17,071,130	8	27.1	12,489,907	22	3	10	2	2	y	
10/28/2016	TW	48	48	32	21	45	22	16.3	19	12	14	12	7.4	8	16.4	17,203,108	9	24.4	12,523,212	18	3	9	2	2	y	
11/4/2016	TW	49	48	33	23	45	21	15.8	19	11	13	11	7.31	7	15.9	17,270,644	9	26.3	12,538,224	19	3	9	2	2	y	
11/11/2016	TW	49	48	33	22	45	21	15.6	18	12	13	1	7.28	8	15.5	17,336,240	9	25.2	12,553,000	18	3	9	2	2	y	
11/18/2016	TW	49	48	32	23	45	20	15.6	17	12	13	11	7.4	8	15.7	17,439,440	9	25.9	12,575,148	19	3	10	2	22	y	
12/2/2016	TW	48	48	33	23	45	21	15.2	18	12	13	11	7.38	7	15.3	17,504,732	9	24.9	12,587,270	18	3	9	2	2	y	
12/9/2016	TW	48	48	33	21	46	21	15.6	18	11	12	10	7.35	7	15.7	17,567,542	8	23.2	12,599,193	17	2	8	2	2	y	
12/19/2016	TW	48	48	33	23	46	18	15.6	15	10	13	10	7.31	8	15.9	17,615,164	9	24.2	12,614,812	17	3	8	2	2	y	
12/22/2016	TW	49	48	33	21	46	18	15.8	16	12	13	11	7.19	8	15.9	17,653,996	9	24.6	12,621,921	17	3	9	2	2	y	
12/30/2016	TW	48	48	32	24	45	17	15	14	10	12	10	7.4	7	15.1	17,708,078	8	25.4	12,632,049	19	2	9	2	2	y	

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
10/1/2016													
10/2/2016													
10/3/2016								1	2	2			
10/4/2016								0.5	1	1			
10/5/2016								0.5	2	2			Tank #10, rinse sides
10/6/2016							1	0.5	1	1	1	1	
10/7/2016					1	1		1	1	1			
10/8/2016													
10/9/2016													
10/10/2016								1	1	1			
10/11/2016								0.5	1	1			
10/12/2016								1		1			
10/13/2016							1	0.5	1	1		1	
10/14/2016					1	1		1	1	1			
10/15/2016													
10/16/2016													
10/17/2016								1	1	2			
10/18/2016								0.5	1				
10/19/2016								1		1			
10/20/2016								0.5	1				
10/21/2016								1		1			
10/22/2016													
10/23/2016													
10/24/2016					1	1	1	1	1	1		1	
10/25/2016								0.5	1				
10/26/2016								1	1				Clean #5, bleach, line
10/27/2016							1	0.5		1		1	
10/28/2016					1	1		1	1	1			
10/29/2016													
10/30/2016													
10/31/2016								1	1	1			
11/1/2016								0.5		1			
11/2/2016								1	1				
11/3/2016							1	0.5		1	1	1	
11/4/2016					1	1		1	1	1			
11/5/2016													
11/6/2016													
11/7/2016								1	1	1			
11/8/2016								0.5	1	1			
11/9/2016								1	1	1			
11/10/2016							1	0.5	1	1		1	
11/11/2016					1	1		1	1	1			
11/12/2016													
11/13/2016													
11/14/2016								1	2	2			Clean line for #5
11/15/2016								0.5	1	1			
11/16/2016								1	1	1			"UNICID"
11/17/2016							1	0.5	2			1	Wells #4 & #5
11/18/2016								1	1	1			
11/19/2016													
11/20/2016													
11/21/2016						1	1	2	1				
11/22/2016								0.5	1	1			
11/23/2016					1	1	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
11/24/2016													
11/25/2016													
11/26/2016													
11/27/2016													
11/28/2016								1	2	1			
11/29/2016								0.5	1	1			
11/30/2016								1		1			
12/1/2016							1	0.5	1		1	1	Run Area D Wells
12/2/2016					1	1		1	1	1			
12/3/2016													
12/4/2016													
12/5/2016					1			1	1	1			Run Area D Wells
12/6/2016								0.5	2	1			Run Area D Wells
12/7/2016								1	1	1			#5 acid clean
12/8/2016								0.5	1				
12/9/2016					1	1		1	1	1			
12/10/2016													
12/11/2016													
12/12/2016					1	1		1	1	1			
12/13/2016	1				1								Carbon change(Evoque Gac)
12/14/2016								1					
12/15/2016					1		1		3	2	1	1	
12/16/2016								1	1	1			
12/17/2016													
12/18/2016													
12/19/2016						1	1	1	1	1			
12/20/2016								0.5		1			
12/21/2016								1	1				
12/22/2016					1	1	1	1	1	1			
12/23/2016													
12/24/2016													
12/25/2016													
12/26/2016													
12/27/2016								1	1	1			"A" #3 changed pump (cleaned)
12/28/2016								1	1	1			
12/29/2016							1	1	1	1	1		
12/30/2016					1	1		1	1	1			
12/31/2016													

ATTACHMENT F

DATA USABILITY SUMMARY REPORTS

DATA VALIDATION SUMMARY REPORT AREA D 2016 INFLUENT GROUNDWATER SAMPLING

HONEYWELL BUFFALO COLOR AREA D
BUFFALO, NEW YORK

Prepared for

Honeywell

115 Tabor Road
Morris Plains, New Jersey 07950

Prepared by

Amec Foster Wheeler Environment & Infrastructure, Inc.
200 American Metro Boulevard, Suite 113
Hamilton, New Jersey 08619

February 2017

TABLE OF CONTENTS

TABLES

1.0 INTRODUCTION

Data validation was completed on the influent groundwater sample collected in June 2016. The Sample was analyzed by TestAmerica Laboratories in Buffalo, New York (TAL-Buffalo) and results were reported in data package Sample delivery group (SDG), 480-101341-1. A summary of laboratory data packages and samples is presented in Table 1. The following U.S. Environmental Protection Agency (USEPA, 1996) analytical methods were performed:

- Volatile organic compounds (VOCs) by USEPA Method E624
- Semivolatile organic compounds (SVOCs) by USEPA Method E625
- Polychlorinated biphenyls(PCBs) by USEPA Method E608
- Phenolics, total recoverable by USEPA Method E420.1
- Metals by USEPA Method E200.7
- Mercury by USEPA Method E245.1
- Cyanide, amenable by USEPA Method SM 4500 CN G
- Phosphorus by USEPA Method SM 4500 P E

Data validation was completed using Level II procedures described for Honeywell projects. During the Level II data validation the following data quality indicators are reviewed.

- Lab Report Narrative
- Sample Collection and Holding Times
- Quality Control (QC) Blanks
- Laboratory Control Samples (LCS)/Lab Control Sample Duplicate (LCSD)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Laboratory and Field Duplicates
- Surrogate Spikes
- Reporting Limits
- Data Completeness
- Electronic Data Verification

Data qualification was completed using general procedures in USEPA validation guidelines (USEPA, 2004; USEPA, 2008a; USEPA, 2008b). Project specific QC limits were used when assessing precision and accuracy (Table 2) as described in the Quality Assurance Project Plan (QAPP) (MACTEC, 2006).

A Honeywell Level II data validation was completed on the entire data set and data validation findings from the Level II validation are reported in Section 2. Data QC reviews are completed using laboratory QC summary forms and the Locus Technology Environmental Information Management (EIM) system. The EIM system has a computerized data validation module that performs data validation for QC checks specified for Level II validation. Sample results and associated QC data are compared to project specific QC limits that are set up by the project chemist prior to running the validation module. The EIM assigns validation reason codes to all results that are associated with QC measurements outside project QC goals, and the validation module applies data validation qualifiers to the final results. The data qualification actions are reviewed by the project chemist prior to accepting the final data.

Data QC reviews are completed using laboratory QC summary forms. Data qualifications are completed if necessary in accordance with the guidelines using the following qualifiers:

U = The target compound was not detected at concentrations greater than the quantitation limit.
J = The reported concentration is considered an estimated value.
UJ = The target compound was not detected and the reporting limit is considered to be estimated.
R= The result is rejected and is considered to be unusable

The Level II validation qualification actions for this data set and associated validation reason codes are presented on Table 3. The following data validation reason code was applied to one or more sample results:

BL1=Result qualified due to laboratory blank
LCSDL=LCS duplicate recovery less than the lower limit

Sample results that are not included on Table 3 were interpreted to be usable as reported by the laboratory. A complete summary of final ground water sample results is provided on Table 4.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

QC parameters and measurements checked during validation met requirements in the analytical method and/or validation guidelines and QAPP. Unless specified below, results are interpreted to be usable as reported by the laboratory

2.1 VOLATILE ORGANIC COMPOUNDS

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Data completeness
* Blanks
* LCS
* Surrogate Spikes
  Reporting Limits
* Data Completeness
* Electronic Data Verification

* - Criteria were met for this parameter.

2.1.1 June Event

Reporting Limits

The sample from location Area D Influent was analyzed at a dilution. Reporting limits for target compounds in the following samples are elevated due to dilution.

Field Sample ID	Lab Sample ID	Method	DF
BCC Area D Influent_0616	480-101341-1	E624	10

2.2 SEMIVOLATILE ORGANIC COMPOUNDS

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Blanks
  LCS/LCSD
* Surrogate Spikes
* Reporting Limits

* Data Completeness
* Electronic Data Verification

* - Criteria were met for this parameter.

2.2.1 June Event

LCS/LCSD

The LCSD percent recoveries of 1,4-dichlorobenzene (48), aniline (43), hexachloroethane (49) and phenol (29) were less than the QC limit in SDG 480-101341-1, which may indicate low bias. Results for these compounds were qualified as estimated (J/UJ) with reason code LCSDL. A summary of qualified sample results is presented in Table 3.

2.3 POLYCHLORINATED BIPHENYLS

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Blanks
* LCS
* Reporting Limits
* Data Completeness
* Electronic Data Verification

* - all criteria were met for this parameter.

2.3.1 June Event

No QC issues observed.

2.4 PHENOLICS, TOTAL RECOVERABLE

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times

  Blanks
* LCS
* Reporting Limits
* Data Completeness
* Electronic Data Verification

* - all criteria were met for this parameter.

2.4.1 June Event

Blanks

Total recoverable phenolics (0.00861 mg/L) was detected below the reporting limit in method blank batch 306438. An action limit was established at five times the reported blank concentrations. Total recoverable phenolics results was less than action limits in sample BCC Area D Influent_0616 and qualified as non-detect (U) at the detected concentration with reason code BL1.

2.5 METALS

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Blanks
* LCS
* Reporting Limits
* Data Completeness
* Electronic Data Verification

* - all criteria were met for this parameter.

2.5.1 June Event

No QC issues observed.

2.6 CYANIDE, AMENABLE AND PHOSPHORUS

The data were evaluated based on the following parameters:

* Collection and Preservation
* Holding Times
* Blanks
* LCS
* Reporting Limits
* Data Completeness
* Electronic Data Verification

* - all criteria were met for this parameter.

2.6.1 June Event

No QC issues observed.

3.0 REFERENCES

MACTEC, 2006. “Buffalo Color Quality Assurance Project Plan”; Appendix D – Quality Assurance/Quality Control, 2006.

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 - December 1996.

USEPA, 2004. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540-R-04-004; October 2004.

U.S. Environmental Protection Agency (USEPA) Region II, 2008a. “Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B”; SOP No. HW-24, Revision 2; August 2008.

U.S. Environmental Protection Agency (USEPA) Region II, 2008b. “Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D”; SOP No. HW-22, Revision 4; August 2008.

4.0 LIST OF ACRONYMS AND ABBREVIATIONS

EIM	Environmental Information Management
LCSD	Laboratory Control Sample Duplicate
LCS	Laboratory Control Samples
MS/MSD	Matrix Spike/Matrix Spike Duplicates
QAPP	Quality
QC	Quality Control
SVOC	Semivolatile Organic Compound
TAL	TestAmerica Laboratories
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

Data Validator: Sandhyasree

January 11, 2017

Senior Chemist: Chris Ricardi, NRCC-EAC

February 1, 2017

TABLES

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

				Parameter	VOCs	SVOCs	PCBs	Phenolics	Metals	Mercury
				Method	E624	E625	E608	E420.1	E200.7	E245.1
SDG	Field Sample ID	Location ID	Type	Date						
480-101341-1	BCC Area D Influent_0616	Area D Influent	REG	6/8/2016	33	60	7	1	5	1

Notes
REG: Regular sample

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

				Cyanide, Amenable	Phosphorus
				SM-4500-CNG	SM4500-P E
SDG	Field Sample ID	Location ID	Type		
480-101341-1	BCC Area D Influent_0616	Area D Influent	REG	1	1

Notes
REG: Regular sample

TABLE 2
PROJECT PRECISION AND ACCURACY GOALS
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

PARAMETER	QC TEST	ANALYTE	WATER (%R)	Water (RPD)
Volatiles	Surrogate	All Surrogate Compounds	80 - 120	
	LCS	All Target Compounds	70 - 130	
	MS/MSD	All Target Compounds	70 - 130	20
	Field Duplicate	All Target Compounds		50
Semivolatiles	Surrogate	All BN Compounds	50 - 140	
		All Acid Compounds	30 - 140	
	LCS	All BN Compounds	50 - 140	
		All Acid Compounds	30 - 140	
	MS/MSD	All BN Compounds	50 - 140	20
		All Acid Compounds	30 - 140	20
	Field Duplicate	All Target Compounds		50
PCBs	Surrogate	All Surrogate Compounds	30 - 150	
	LCS	All Target Compounds	40 - 140	
	MS/MSD	All Target Compounds	30 - 150	20
	Field Duplicate	All Target Compounds		50
Inorganics-Metals	LCS	All Target Analytes	80 - 120	
	MS/MSD	All Target Analytes	75 -125	30
	Lab Duplicate	All Target Analytes		30
	Field Duplicate	All Target Analytes		50

Notes:
LCS - Laboratory Control Sample
MS/MSD - Matrix spike/ Matrix Spike Duplicate
RPD = Relative percent difference
%R = percent recovery
QC Limits are based on USEPA Region II Data Validation Guidelines and Project QA/QC Objectives

TABLE 3
VALIDATON ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

Field Sample ID	Type	SDG	Method	Parameter	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
BCC Area D Influent_0616	REG	480-101341-1	E420.1	Total Recoverable Phenolics	0.041	B	U	BL1	mg/L
BCC Area D Influent_0616	REG	480-101341-1	E625	1,4-Dichlorobenzene	33	J	J	LCSDL	µg/L
BCC Area D Influent_0616	REG	480-101341-1	E625	Aniline	56	*	J	LCSDL	µg/L
BCC Area D Influent_0616	REG	480-101341-1	E625	Hexachloroethane	3.0	U	UJ	LCSDL	µg/L
BCC Area D Influent_0616	REG	480-101341-1	E625	Phenol	1.8	U	UJ	LCSDL	µg/L

Notes:
BL1= Result qualified due to laboratory blank
LCSDL= LCS duplicate recovery less than the lower limit
U= Undetected
J= Estimated

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

		Field Sample ID	BCC Area D Influent_0616
		Location	Area D Influent
		Sample Date	06/08/2016
		Sample Delivery Group	480-101341-1
Units	Method	Parameter Name	
mg/L	E200.7	Chromium	0.0041
mg/L	E200.7	Copper	0.0024 J
mg/L	E200.7	Lead	0.0030 U
mg/L	E200.7	Nickel	0.013
mg/L	E200.7	Zinc	0.0048 J
mg/L	E245.1	Mercury	0.00012 U
mg/L	E420.1	Total Recoverable Phenolics	0.041 U
mg/L	SM4500-CN G	Cyanide, Amenable	0.0050 U
mg/L	SM4500-PE	Total Phosphate as P	0.40
µg/L	E608	PCB-1016	0.19 U
µg/L	E608	PCB-1221	0.19 U
µg/L	E608	PCB-1232	0.19 U
µg/L	E608	PCB-1242	0.19 U
µg/L	E608	PCB-1248	0.19 U
µg/L	E608	PCB-1254	0.16 U
µg/L	E608	PCB-1260	0.16 U
µg/L	E624	1,1,1-Trichloroethane	3.9 U
µg/L	E624	1,1,2,2-Tetrachloroethane	2.6 U
µg/L	E624	1,1,2-Trichloroethane	4.8 U
µg/L	E624	1,1-Dichloroethane	5.9 U
µg/L	E624	1,1-Dichloroethene	8.5 U
µg/L	E624	1,2-Dichlorobenzene	8.2 J
µg/L	E624	1,2-Dichloroethane	6.0 U
µg/L	E624	1,2-Dichloroethene, Total	32 U
µg/L	E624	1,2-Dichloropropane	6.1 U
µg/L	E624	1,3-Dichlorobenzene	5.4 J
µg/L	E624	1,4-Dichlorobenzene	51
µg/L	E624	2-Chloroethyl vinyl ether	19 U
µg/L	E624	Acrolein	170 U
µg/L	E624	Acrylonitrile	19 U
µg/L	E624	Benzene	89
µg/L	E624	Bromodichloromethane	5.4 U
µg/L	E624	Bromoform	4.7 U
µg/L	E624	Bromomethane	12 U
µg/L	E624	Carbon tetrachloride	5.1 U
µg/L	E624	Chlorobenzene	2700
µg/L	E624	Chloroethane	8.7 U
µg/L	E624	Chloroform	5.4 U
µg/L	E624	Chloromethane	6.4 U
µg/L	E624	cis-1,3-Dichloropropene	3.3 U
µg/L	E624	Dibromochloromethane	4.1 U
µg/L	E624	Ethylbenzene	4.6 U
µg/L	E624	Methylene Chloride	8.1 U
µg/L	E624	Tetrachloroethene	3.4 U
µg/L	E624	Toluene	4.5 U
µg/L	E624	trans-1,3-Dichloropropene	4.4 U
µg/L	E624	Trichloroethene	6.0 U
µg/L	E624	Trichlorofluoromethane	4.5 U
µg/L	E624	Vinyl chloride	7.5 U
µg/L	E625	1,2,4-Trichlorobenzene	4.1 U

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

		Field Sample ID	BCC Area D Influent_0616
		Location	Area D Influent
		Sample Date	06/08/2016
		Sample Delivery Group	480-101341-1
Units	Method	Parameter Name	
µg/L	E625	1,2-Dichlorobenzene	25 U
µg/L	E625	1,2-Diphenylhydrazine	3.9 U
µg/L	E625	1,3-Dichlorobenzene	3.5 U
µg/L	E625	1,4-Dichlorobenzene	33 J
µg/L	E625	2,2'-oxybis[1-chloropropane]	4.2 U
µg/L	E625	2,4,6-Trichlorophenol	5.0 U
µg/L	E625	2,4-Dichlorophenol	3.9 U
µg/L	E625	2,4-Dimethylphenol	7.0 U
µg/L	E625	2,4-Dinitrophenol	25 U
µg/L	E625	2,4-Dinitrotoluene	25 U
µg/L	E625	2,6-Dinitrotoluene	5.0 U
µg/L	E625	2-Chloronaphthalene	4.6 U
µg/L	E625	2-Chlorophenol	14 J
µg/L	E625	2-Nitrophenol	3.5 U
µg/L	E625	3,3'-Dichlorobenzidine	4.1 U
µg/L	E625	4,6-Dinitro-2-methylphenol	3.3 U
µg/L	E625	4-Bromophenyl phenyl ether	7.0 U
µg/L	E625	4-Chloro-3-methylphenol	5.5 U
µg/L	E625	4-Chlorophenyl phenyl ether	6.5 U
µg/L	E625	4-Nitrophenol	50 U
µg/L	E625	Acenaphthene	4.1 U
µg/L	E625	Acenaphthylene	4.4 U
µg/L	E625	Aniline	56 J
µg/L	E625	Anthracene	7.0 U
µg/L	E625	Benzidine	180 U
µg/L	E625	Benzo[a]anthracene	5.5 U
µg/L	E625	Benzo[a]pyrene	6.5 U
µg/L	E625	Benzo[b]fluoranthene	6.0 U
µg/L	E625	Benzo[g,h,i]perylene	7.5 U
µg/L	E625	Benzo[k]fluoranthene	6.5 U
µg/L	E625	Bis(2-chloroethoxy)methane	3.8 U
µg/L	E625	Bis(2-chloroethyl)ether	4.7 U
µg/L	E625	Bis(2-ethylhexyl) phthalate	6.0 U
µg/L	E625	Butyl benzyl phthalate	5.5 U
µg/L	E625	Chrysene	5.0 U
µg/L	E625	Decane	8.0 U
µg/L	E625	Di-n-butyl phthalate	8.0 U
µg/L	E625	Di-n-octyl phthalate	6.0 U
µg/L	E625	Dibenz(a,h)anthracene	7.5 U
µg/L	E625	Diethyl phthalate	5.0 U
µg/L	E625	Dimethyl phthalate	4.6 U
µg/L	E625	Fluoranthene	8.0 U
µg/L	E625	Fluorene	5.0 U
µg/L	E625	Hexachlorobenzene	5.0 U
µg/L	E625	Hexachlorobutadiene	5.0 U
µg/L	E625	Hexachlorocyclopentadiene	25 U
µg/L	E625	Hexachloroethane	3.0 UJ
µg/L	E625	Indeno[1,2,3-cd]pyrene	7.5 U
µg/L	E625	Isophorone	3.7 U
µg/L	E625	N-Nitrosodi-n-propylamine	4.5 U

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
2016 AREA D INFLUENT GROUNDWATER SAMPLING
HONEYWELL – BUFFALO COLOR AREA D
BUFFALO, NEW YORK

		Field Sample ID	BCC Area D Influent_0616
		Location	Area D Influent
		Sample Date	06/08/2016
		Sample Delivery Group	480-101341-1
Units	**Method**	**Parameter Name**	
µg/L	E625	N-Nitrosodimethylamine	25 U
µg/L	E625	N-Nitrosodiphenylamine	2.0 U
µg/L	E625	n-Octadecane	6.0 U
µg/L	E625	Naphthalene	4.3 U
µg/L	E625	Nitrobenzene	4.1 U
µg/L	E625	Pentachlorophenol	8.0 U
µg/L	E625	Phenanthrene	6.0 U
µg/L	E625	Phenol	1.8 UJ
µg/L	E625	Pyrene	7.0 U

Notes
U = undetected
J = estimated value

Prepared by: Sandhyasree 01/10/2017
Checked by: Suresh 01/10/2017

ATTACHMENT G

GROUNDWATER ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-101341-1
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:
6/17/2016 12:19:12 PM

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-101341-1

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.
*	RPD of the LCS and LCSD exceeds the 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.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-101341-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-101341-1

Comments
No additional comments.

Receipt
The sample was received on 6/8/2016 3:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method(s) 624: 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: BCC Area D Influent_0616 (480-101341-1). The requested target analyte list contains 2-chloroethyl vinyl ether, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCC Area D Influent_0616 (480-101341-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method(s) 625: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-305928 recovered outside control limits for the following analytes: Aniline and 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
Method(s) 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: BCC Area D Influent_0616 (480-101341-1). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 625: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-305928. An LCSD was added due to volume concerns with associated samples.

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

Detection Summary

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

TestAmerica Job ID: 480-101341-1

Client Sample ID: BCC Area D Influent_0616

Lab Sample ID: 480-101341-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	89		50	6.0	ug/L	10		624	Total/NA
1,2-Dichlorobenzene	8.2	J	50	4.4	ug/L	10		624	Total/NA
1,3-Dichlorobenzene	5.4	J	50	5.4	ug/L	10		624	Total/NA
1,4-Dichlorobenzene	51		50	5.1	ug/L	10		624	Total/NA
Chlorobenzene - DL	2700		250	24	ug/L	50		624	Total/NA
1,4-Dichlorobenzene	33	J	50	25	ug/L	1		625	Total/NA
2-Chlorophenol	14	J	25	3.3	ug/L	1		625	Total/NA
Aniline	56	*	50	7.5	ug/L	1		625	Total/NA
Chromium	0.0041		0.0040	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0024	J	0.010	0.0016	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.013		0.010	0.0013	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.0048	J	0.010	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Total Recoverable Phenolics	0.041	B	0.010	0.0050	mg/L	1		420.1	Total/NA
Total Phosphate as P	0.40		0.010	0.0050	mg/L as P	1		SM 4500 P E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BCC Area D Influent_0616

Date Collected: 06/08/16 10:00
Date Received: 06/08/16 15:15

Lab Sample ID: 480-101341-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		1000	170	ug/L			06/09/16 19:05	10
Acrylonitrile	ND		1000	19	ug/L			06/09/16 19:05	10
Benzene	**89**		50	6.0	ug/L			06/09/16 19:05	10
Bromodichloromethane	ND		50	5.4	ug/L			06/09/16 19:05	10
Bromoform	ND		50	4.7	ug/L			06/09/16 19:05	10
Bromomethane	ND		50	12	ug/L			06/09/16 19:05	10
Carbon tetrachloride	ND		50	5.1	ug/L			06/09/16 19:05	10
Chloroethane	ND		50	8.7	ug/L			06/09/16 19:05	10
2-Chloroethyl vinyl ether	ND		250	19	ug/L			06/09/16 19:05	10
Chloroform	ND		50	5.4	ug/L			06/09/16 19:05	10
Chloromethane	ND		50	6.4	ug/L			06/09/16 19:05	10
Dibromochloromethane	ND		50	4.1	ug/L			06/09/16 19:05	10
1,1-Dichloroethane	ND		50	5.9	ug/L			06/09/16 19:05	10
1,2-Dichloroethane	ND		50	6.0	ug/L			06/09/16 19:05	10
1,1-Dichloroethene	ND		50	8.5	ug/L			06/09/16 19:05	10
1,2-Dichloropropane	ND		50	6.1	ug/L			06/09/16 19:05	10
cis-1,3-Dichloropropene	ND		50	3.3	ug/L			06/09/16 19:05	10
trans-1,3-Dichloropropene	ND		50	4.4	ug/L			06/09/16 19:05	10
Ethylbenzene	ND		50	4.6	ug/L			06/09/16 19:05	10
Methylene Chloride	ND		50	8.1	ug/L			06/09/16 19:05	10
1,1,2,2-Tetrachloroethane	ND		50	2.6	ug/L			06/09/16 19:05	10
Tetrachloroethene	ND		50	3.4	ug/L			06/09/16 19:05	10
Toluene	ND		50	4.5	ug/L			06/09/16 19:05	10
1,1,1-Trichloroethane	ND		50	3.9	ug/L			06/09/16 19:05	10
1,1,2-Trichloroethane	ND		50	4.8	ug/L			06/09/16 19:05	10
Trichloroethene	ND		50	6.0	ug/L			06/09/16 19:05	10
Vinyl chloride	ND		50	7.5	ug/L			06/09/16 19:05	10
1,2-Dichlorobenzene	**8.2**	**J**	50	4.4	ug/L			06/09/16 19:05	10
1,2-Dichloroethene, Total	ND		100	32	ug/L			06/09/16 19:05	10
1,3-Dichlorobenzene	**5.4**	**J**	50	5.4	ug/L			06/09/16 19:05	10
1,4-Dichlorobenzene	**51**		50	5.1	ug/L			06/09/16 19:05	10
Trichlorofluoromethane	ND		50	4.5	ug/L			06/09/16 19:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*72 - 130*		*06/09/16 19:05*	*10*
4-Bromofluorobenzene (Surr)	*81*		*69 - 121*		*06/09/16 19:05*	*10*
Toluene-d8 (Surr)	*98*		*70 - 123*		*06/09/16 19:05*	*10*
Dibromofluoromethane (Surr)	*87*		*70 - 130*		*06/09/16 19:05*	*10*

Method: 624 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**2700**		250	24	ug/L			06/10/16 09:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*72 - 130*		*06/10/16 09:42*	*50*
4-Bromofluorobenzene (Surr)	*105*		*69 - 121*		*06/10/16 09:42*	*50*
Toluene-d8 (Surr)	*104*		*70 - 123*		*06/10/16 09:42*	*50*
Dibromofluoromethane (Surr)	*85*		*70 - 130*		*06/10/16 09:42*	*50*

Client Sample ID: BCC Area D Influent_0616
Date Collected: 06/08/16 10:00
Date Received: 06/08/16 15:15

Lab Sample ID: 480-101341-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	4.1	ug/L		06/09/16 13:46	06/14/16 15:29	1
1,2-Dichlorobenzene	ND		50	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
1,2-Diphenylhydrazine	ND		50	3.9	ug/L		06/09/16 13:46	06/14/16 15:29	1
1,3-Dichlorobenzene	ND		50	3.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
1,4-Dichlorobenzene	**33**	**J**	50	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,2'-oxybis[1-chloropropane]	ND		25	4.2	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,4,6-Trichlorophenol	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,4-Dichlorophenol	ND		25	3.9	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,4-Dimethylphenol	ND		25	7.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,4-Dinitrophenol	ND		50	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,4-Dinitrotoluene	ND		25	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
2,6-Dinitrotoluene	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
2-Chloronaphthalene	ND		25	4.6	ug/L		06/09/16 13:46	06/14/16 15:29	1
2-Chlorophenol	**14**	**J**	25	3.3	ug/L		06/09/16 13:46	06/14/16 15:29	1
2-Nitrophenol	ND		25	3.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
3,3'-Dichlorobenzidine	ND		25	4.1	ug/L		06/09/16 13:46	06/14/16 15:29	1
4,6-Dinitro-2-methylphenol	ND		50	3.3	ug/L		06/09/16 13:46	06/14/16 15:29	1
4-Bromophenyl phenyl ether	ND		25	7.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
4-Chloro-3-methylphenol	ND		25	5.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
4-Chlorophenyl phenyl ether	ND		25	6.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
4-Nitrophenol	ND		50	50	ug/L		06/09/16 13:46	06/14/16 15:29	1
Acenaphthene	ND		25	4.1	ug/L		06/09/16 13:46	06/14/16 15:29	1
Acenaphthylene	ND		25	4.4	ug/L		06/09/16 13:46	06/14/16 15:29	1
Aniline	**56**	*****	50	7.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Anthracene	ND		25	7.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzidine	ND	*	400	180	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzo[a]anthracene	ND		25	5.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzo[a]pyrene	ND		25	6.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzo[b]fluoranthene	ND		25	6.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzo[g,h,i]perylene	ND		25	7.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Benzo[k]fluoranthene	ND		25	6.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Bis(2-chloroethoxy)methane	ND		25	3.8	ug/L		06/09/16 13:46	06/14/16 15:29	1
Bis(2-chloroethyl)ether	ND		25	4.7	ug/L		06/09/16 13:46	06/14/16 15:29	1
Bis(2-ethylhexyl) phthalate	ND		50	6.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Butyl benzyl phthalate	ND		25	5.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Chrysene	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Decane	ND		50	8.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Dibenz(a,h)anthracene	ND		25	7.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
Diethyl phthalate	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Dimethyl phthalate	ND		25	4.6	ug/L		06/09/16 13:46	06/14/16 15:29	1
Di-n-butyl phthalate	ND		25	8.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Di-n-octyl phthalate	ND		25	6.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Fluoranthene	ND		25	8.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Fluorene	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Hexachlorobenzene	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Hexachlorobutadiene	ND		25	5.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Hexachlorocyclopentadiene	ND		25	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
Hexachloroethane	ND		25	3.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Indeno[1,2,3-cd]pyrene	ND		25	7.5	ug/L		06/09/16 13:46	06/14/16 15:29	1

Client Sample ID: BCC Area D Influent_0616
Date Collected: 06/08/16 10:00
Date Received: 06/08/16 15:15

Lab Sample ID: 480-101341-1
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		25	3.7	ug/L		06/09/16 13:46	06/14/16 15:29	1
Naphthalene	ND		25	4.3	ug/L		06/09/16 13:46	06/14/16 15:29	1
Nitrobenzene	ND		25	4.1	ug/L		06/09/16 13:46	06/14/16 15:29	1
N-Nitrosodimethylamine	ND		50	25	ug/L		06/09/16 13:46	06/14/16 15:29	1
N-Nitrosodi-n-propylamine	ND		25	4.5	ug/L		06/09/16 13:46	06/14/16 15:29	1
N-Nitrosodiphenylamine	ND		25	2.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
n-Octadecane	ND		50	6.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Pentachlorophenol	ND		50	8.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Phenanthrene	ND		25	6.0	ug/L		06/09/16 13:46	06/14/16 15:29	1
Phenol	ND		25	1.8	ug/L		06/09/16 13:46	06/14/16 15:29	1
Pyrene	ND		25	7.0	ug/L		06/09/16 13:46	06/14/16 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*52 - 151*	*06/09/16 13:46*	*06/14/16 15:29*	*1*
2-Fluorobiphenyl	*94*		*44 - 120*	*06/09/16 13:46*	*06/14/16 15:29*	*1*
2-Fluorophenol	*69*		*17 - 120*	*06/09/16 13:46*	*06/14/16 15:29*	*1*
Nitrobenzene-d5	*93*		*42 - 120*	*06/09/16 13:46*	*06/14/16 15:29*	*1*
Phenol-d5	*47*		*10 - 120*	*06/09/16 13:46*	*06/14/16 15:29*	*1*
p-Terphenyl-d14	*100*		*22 - 125*	*06/09/16 13:46*	*06/14/16 15:29*	*1*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.19	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1221	ND		0.30	0.19	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1232	ND		0.30	0.19	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1242	ND		0.30	0.19	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1248	ND		0.30	0.19	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1254	ND		0.30	0.16	ug/L		06/10/16 14:47	06/11/16 00:28	1
PCB-1260	ND		0.30	0.16	ug/L		06/10/16 14:47	06/11/16 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*26 - 135*	*06/10/16 14:47*	*06/11/16 00:28*	*1*
Tetrachloro-m-xylene	*98*		*27 - 159*	*06/10/16 14:47*	*06/11/16 00:28*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0041**		0.0040	0.0010	mg/L		06/09/16 08:25	06/09/16 20:54	1
Copper	**0.0024**	**J**	0.010	0.0016	mg/L		06/09/16 08:25	06/09/16 20:54	1
Lead	ND		0.010	0.0030	mg/L		06/09/16 08:25	06/09/16 20:54	1
Nickel	**0.013**		0.010	0.0013	mg/L		06/09/16 08:25	06/09/16 20:54	1
Zinc	**0.0048**	**J**	0.010	0.0015	mg/L		06/09/16 08:25	06/09/16 20:54	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		06/13/16 06:15	06/13/16 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Recoverable Phenolics	**0.041**	**B**	0.010	0.0050	mg/L		06/13/16 13:30	06/15/16 10:19	1
Cyanide, Amenable	ND		0.010	0.0050	mg/L			06/13/16 11:48	1
Total Phosphate as P	**0.40**		0.010	0.0050	mg/L as P			06/10/16 09:56	1

Surrogate Summary

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

TestAmerica Job ID: 480-101341-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)	(70-130)
480-101341-1	BCC Area D Influent_0616	81	81	98	87
480-101341-1 - DL	BCC Area D Influent_0616	79	105	104	85
LCS 480-305895/5	Lab Control Sample	80	107	74	88
MB 480-305895/7	Method Blank	79	86	87	84

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 625 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(42-120)	(10-120)	(22-125)
480-101341-1	BCC Area D Influent_0616	104	94	69	93	47	100
LCS 480-305928/2-A	Lab Control Sample	90	88	54	83	39	97
LCSD 480-305928/3-A	Lab Control Sample Dup	83	85	39	78	32	87
MB 480-305928/1-A	Method Blank	82	94	55	90	39	99

Surrogate Legend

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

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(26-135)	(27-159)
480-101341-1	BCC Area D Influent_0616	92	98
LCS 480-306133/2-A	Lab Control Sample	42	94
MB 480-306133/1-A	Method Blank	51	100

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-305895/7
Matrix: Water
Analysis Batch: 305895

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	ND		100	17	ug/L			06/09/16 14:56	1
Acrylonitrile	ND		100	1.9	ug/L			06/09/16 14:56	1
Benzene	ND		5.0	0.60	ug/L			06/09/16 14:56	1
Bromodichloromethane	ND		5.0	0.54	ug/L			06/09/16 14:56	1
Bromoform	ND		5.0	0.47	ug/L			06/09/16 14:56	1
Bromomethane	ND		5.0	1.2	ug/L			06/09/16 14:56	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/09/16 14:56	1
Chlorobenzene	ND		5.0	0.48	ug/L			06/09/16 14:56	1
Chloroethane	ND		5.0	0.87	ug/L			06/09/16 14:56	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			06/09/16 14:56	1
Chloroform	ND		5.0	0.54	ug/L			06/09/16 14:56	1
Chloromethane	ND		5.0	0.64	ug/L			06/09/16 14:56	1
Dibromochloromethane	ND		5.0	0.41	ug/L			06/09/16 14:56	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/09/16 14:56	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/09/16 14:56	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			06/09/16 14:56	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			06/09/16 14:56	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			06/09/16 14:56	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			06/09/16 14:56	1
Ethylbenzene	ND		5.0	0.46	ug/L			06/09/16 14:56	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/09/16 14:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			06/09/16 14:56	1
Tetrachloroethene	ND		5.0	0.34	ug/L			06/09/16 14:56	1
Toluene	ND		5.0	0.45	ug/L			06/09/16 14:56	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/09/16 14:56	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/09/16 14:56	1
Trichloroethene	ND		5.0	0.60	ug/L			06/09/16 14:56	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/09/16 14:56	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			06/09/16 14:56	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/09/16 14:56	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			06/09/16 14:56	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			06/09/16 14:56	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			06/09/16 14:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*72 - 130*		*06/09/16 14:56*	*1*
4-Bromofluorobenzene (Surr)	*86*		*69 - 121*		*06/09/16 14:56*	*1*
Toluene-d8 (Surr)	*87*		*70 - 123*		*06/09/16 14:56*	*1*
Dibromofluoromethane (Surr)	*84*		*70 - 130*		*06/09/16 14:56*	*1*

Lab Sample ID: LCS 480-305895/5
Matrix: Water
Analysis Batch: 305895

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	21.2		ug/L		106	37 - 151
Bromodichloromethane	20.0	20.4		ug/L		102	35 - 155
Bromoform	20.0	28.9		ug/L		144	45 - 169

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-305895/5
Matrix: Water
Analysis Batch: 305895

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	20.0	32.2		ug/L		161	1 - 242
Carbon tetrachloride	20.0	19.0		ug/L		95	70 - 140
Chlorobenzene	20.0	22.3		ug/L		112	37 - 160
Chloroethane	20.0	33.0		ug/L		165	14 - 230
2-Chloroethyl vinyl ether	20.0	18.8	J	ug/L		94	1 - 305
Chloroform	20.0	19.7		ug/L		99	51 - 138
Chloromethane	20.0	32.4		ug/L		162	1 - 273
Dibromochloromethane	20.0	20.5		ug/L		103	53 - 149
1,1-Dichloroethane	20.0	19.1		ug/L		96	59 - 155
1,2-Dichloroethane	20.0	19.4		ug/L		97	49 - 155
1,1-Dichloroethene	20.0	19.2		ug/L		96	1 - 234
1,2-Dichloropropane	20.0	21.2		ug/L		106	1 - 210
cis-1,3-Dichloropropene	20.0	21.5		ug/L		108	1 - 227
trans-1,3-Dichloropropene	20.0	19.5		ug/L		98	17 - 183
Ethylbenzene	20.0	22.0		ug/L		110	37 - 162
Methylene Chloride	20.0	20.7		ug/L		103	1 - 221
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	46 - 157
Tetrachloroethene	20.0	21.7		ug/L		108	64 - 148
Toluene	20.0	17.9		ug/L		89	47 - 150
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	52 - 162
1,1,2-Trichloroethane	20.0	21.7		ug/L		108	52 - 150
Trichloroethene	20.0	20.6		ug/L		103	71 - 157
Vinyl chloride	20.0	34.8		ug/L		174	1 - 251
1,2-Dichlorobenzene	20.0	16.1		ug/L		81	18 - 190
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	59 - 156
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	18 - 190
Trichlorofluoromethane	20.0	30.9		ug/L		155	17 - 181

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*72 - 130*
4-Bromofluorobenzene (Surr)	*107*		*69 - 121*
Toluene-d8 (Surr)	*74*		*70 - 123*
Dibromofluoromethane (Surr)	*88*		*70 - 130*

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-305928/1-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		06/09/16 13:46	06/14/16 14:09	1
1,2-Dichlorobenzene	ND		10	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		06/09/16 13:46	06/14/16 14:09	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		06/09/16 13:46	06/14/16 14:09	1
1,4-Dichlorobenzene	ND		10	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-305928/1-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		06/09/16 13:46	06/14/16 14:09	1
2-Chlorophenol	ND		5.0	0.66	ug/L		06/09/16 13:46	06/14/16 14:09	1
2-Nitrophenol	ND		5.0	0.70	ug/L		06/09/16 13:46	06/14/16 14:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.82	ug/L		06/09/16 13:46	06/14/16 14:09	1
4,6-Dinitro-2-methylphenol	ND		10	0.66	ug/L		06/09/16 13:46	06/14/16 14:09	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		06/09/16 13:46	06/14/16 14:09	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		06/09/16 13:46	06/14/16 14:09	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		06/09/16 13:46	06/14/16 14:09	1
4-Nitrophenol	ND		10	10	ug/L		06/09/16 13:46	06/14/16 14:09	1
Acenaphthene	ND		5.0	0.81	ug/L		06/09/16 13:46	06/14/16 14:09	1
Acenaphthylene	ND		5.0	0.87	ug/L		06/09/16 13:46	06/14/16 14:09	1
Aniline	ND		10	1.5	ug/L		06/09/16 13:46	06/14/16 14:09	1
Anthracene	ND		5.0	1.4	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzidine	ND		80	35	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		06/09/16 13:46	06/14/16 14:09	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		06/09/16 13:46	06/14/16 14:09	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		06/09/16 13:46	06/14/16 14:09	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		06/09/16 13:46	06/14/16 14:09	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		06/09/16 13:46	06/14/16 14:09	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		06/09/16 13:46	06/14/16 14:09	1
Chrysene	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Decane	ND		10	1.6	ug/L		06/09/16 13:46	06/14/16 14:09	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		06/09/16 13:46	06/14/16 14:09	1
Diethyl phthalate	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		06/09/16 13:46	06/14/16 14:09	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		06/09/16 13:46	06/14/16 14:09	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		06/09/16 13:46	06/14/16 14:09	1
Fluoranthene	ND		5.0	1.6	ug/L		06/09/16 13:46	06/14/16 14:09	1
Fluorene	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Hexachlorocyclopentadiene	ND		5.0	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
Hexachloroethane	ND		5.0	0.60	ug/L		06/09/16 13:46	06/14/16 14:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		06/09/16 13:46	06/14/16 14:09	1
Isophorone	ND		5.0	0.74	ug/L		06/09/16 13:46	06/14/16 14:09	1
Naphthalene	ND		5.0	0.86	ug/L		06/09/16 13:46	06/14/16 14:09	1
Nitrobenzene	ND		5.0	0.81	ug/L		06/09/16 13:46	06/14/16 14:09	1
N-Nitrosodimethylamine	ND		10	5.0	ug/L		06/09/16 13:46	06/14/16 14:09	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		06/09/16 13:46	06/14/16 14:09	1
N-Nitrosodiphenylamine	ND		5.0	0.40	ug/L		06/09/16 13:46	06/14/16 14:09	1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-305928/1-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Octadecane	ND		10	1.2	ug/L		06/09/16 13:46	06/14/16 14:09	1
Pentachlorophenol	ND		10	1.6	ug/L		06/09/16 13:46	06/14/16 14:09	1
Phenanthrene	ND		5.0	1.2	ug/L		06/09/16 13:46	06/14/16 14:09	1
Phenol	ND		5.0	0.35	ug/L		06/09/16 13:46	06/14/16 14:09	1
Pyrene	ND		5.0	1.4	ug/L		06/09/16 13:46	06/14/16 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*52 - 151*	*06/09/16 13:46*	*06/14/16 14:09*	*1*
2-Fluorobiphenyl	*94*		*44 - 120*	*06/09/16 13:46*	*06/14/16 14:09*	*1*
2-Fluorophenol	*55*		*17 - 120*	*06/09/16 13:46*	*06/14/16 14:09*	*1*
Nitrobenzene-d5	*90*		*42 - 120*	*06/09/16 13:46*	*06/14/16 14:09*	*1*
Phenol-d5	*39*		*10 - 120*	*06/09/16 13:46*	*06/14/16 14:09*	*1*
p-Terphenyl-d14	*99*		*22 - 125*	*06/09/16 13:46*	*06/14/16 14:09*	*1*

Lab Sample ID: LCS 480-305928/2-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	31.1		ug/L		62	44 - 142
1,2-Dichlorobenzene	50.0	29.3		ug/L		59	32 - 129
1,3-Dichlorobenzene	50.0	30.8		ug/L		62	1 - 172
1,4-Dichlorobenzene	50.0	29.5		ug/L		59	20 - 124
2,2'-oxybis[1-chloropropane]	50.0	40.6		ug/L		81	36 - 166
2,4,6-Trichlorophenol	50.0	44.9		ug/L		90	37 - 144
2,4-Dichlorophenol	50.0	41.3		ug/L		83	39 - 135
2,4-Dimethylphenol	50.0	41.3		ug/L		83	32 - 119
2,4-Dinitrophenol	100	80.8		ug/L		81	1 - 191
2,4-Dinitrotoluene	50.0	47.5		ug/L		95	39 - 139
2,6-Dinitrotoluene	50.0	50.7		ug/L		101	50 - 158
2-Chloronaphthalene	50.0	41.0		ug/L		82	60 - 118
2-Chlorophenol	50.0	39.9		ug/L		80	23 - 134
2-Nitrophenol	50.0	38.1		ug/L		76	29 - 182
3,3'-Dichlorobenzidine	100	87.3		ug/L		87	1 - 262
4,6-Dinitro-2-methylphenol	100	98.2		ug/L		98	1 - 181
4-Bromophenyl phenyl ether	50.0	43.8		ug/L		88	53 - 127
4-Chloro-3-methylphenol	50.0	43.4		ug/L		87	22 - 147
4-Chlorophenyl phenyl ether	50.0	43.1		ug/L		86	25 - 158
4-Nitrophenol	100	52.1		ug/L		52	1 - 132
Acenaphthene	50.0	43.7		ug/L		87	47 - 145
Acenaphthylene	50.0	44.7		ug/L		89	33 - 145
Aniline	50.0	33.2		ug/L		66	40 - 120
Anthracene	50.0	50.4		ug/L		101	27 - 133
Benzo[a]anthracene	50.0	52.1		ug/L		104	33 - 143
Benzo[a]pyrene	50.0	48.2		ug/L		96	17 - 163
Benzo[b]fluoranthene	50.0	50.5		ug/L		101	24 - 159
Benzo[g,h,i]perylene	50.0	45.3		ug/L		91	1 - 219
Benzo[k]fluoranthene	50.0	47.3		ug/L		95	11 - 162

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-305928/2-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	50.0	44.3		ug/L		89	33 - 184
Bis(2-chloroethyl)ether	50.0	42.3		ug/L		85	12 - 158
Bis(2-ethylhexyl) phthalate	50.0	51.5		ug/L		103	8 - 158
Butyl benzyl phthalate	50.0	51.4		ug/L		103	1 - 152
Chrysene	50.0	51.1		ug/L		102	17 - 168
Dibenz(a,h)anthracene	50.0	45.2		ug/L		90	1 - 227
Diethyl phthalate	50.0	48.3		ug/L		97	1 - 114
Dimethyl phthalate	50.0	49.6		ug/L		99	1 - 112
Di-n-butyl phthalate	50.0	51.0		ug/L		102	1 - 118
Di-n-octyl phthalate	50.0	50.5		ug/L		101	4 - 146
Fluoranthene	50.0	50.0		ug/L		100	26 - 137
Fluorene	50.0	48.4		ug/L		97	59 - 121
Hexachlorobenzene	50.0	46.7		ug/L		93	1 - 152
Hexachlorocyclopentadiene	50.0	31.1		ug/L		62	5 - 120
Hexachloroethane	50.0	25.8		ug/L		52	40 - 113
Indeno[1,2,3-cd]pyrene	50.0	46.3		ug/L		93	1 - 171
Isophorone	50.0	46.7		ug/L		93	21 - 196
Naphthalene	50.0	37.9		ug/L		76	21 - 133
Nitrobenzene	50.0	41.4		ug/L		83	35 - 180
N-Nitrosodi-n-propylamine	50.0	43.5		ug/L		87	1 - 230
N-Nitrosodiphenylamine	50.0	49.7		ug/L		99	54 - 125
Pentachlorophenol	100	86.3		ug/L		86	14 - 176
Phenanthrene	50.0	50.1		ug/L		100	54 - 120
Phenol	50.0	20.9		ug/L		42	5 - 112
Pyrene	50.0	54.3		ug/L		109	52 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*90*		*52 - 151*
2-Fluorobiphenyl	*88*		*44 - 120*
2-Fluorophenol	*54*		*17 - 120*
Nitrobenzene-d5	*83*		*42 - 120*
Phenol-d5	*39*		*10 - 120*
p-Terphenyl-d14	*97*		*22 - 125*

Lab Sample ID: LCSD 480-305928/3-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 305928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	50.0	29.5		ug/L		59	44 - 142	5	34
1,2-Dichlorobenzene	50.0	25.0		ug/L		50	32 - 129	16	38
1,3-Dichlorobenzene	50.0	25.6		ug/L		51	1 - 172	18	37
1,4-Dichlorobenzene	50.0	24.0		ug/L		48	20 - 124	21	40
2,2'-oxybis[1-chloropropane]	50.0	34.3		ug/L		69	36 - 166	17	36
2,4,6-Trichlorophenol	50.0	41.2		ug/L		82	37 - 144	9	20
2,4-Dichlorophenol	50.0	43.5		ug/L		87	39 - 135	5	23
2,4-Dimethylphenol	50.0	36.7		ug/L		73	32 - 119	12	18
2,4-Dinitrophenol	100	78.8		ug/L		79	1 - 191	2	29

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-305928/3-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 305928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	50.0	46.4		ug/L		93	39 - 139	2	20
2,6-Dinitrotoluene	50.0	44.7		ug/L		89	50 - 158	13	17
2-Chloronaphthalene	50.0	38.3		ug/L		77	60 - 118	7	30
2-Chlorophenol	50.0	33.7		ug/L		67	23 - 134	17	26
2-Nitrophenol	50.0	35.5		ug/L		71	29 - 182	7	28
3,3'-Dichlorobenzidine	100	79.1		ug/L		79	1 - 262	10	31
4,6-Dinitro-2-methylphenol	100	93.0		ug/L		93	1 - 181	5	30
4-Bromophenyl phenyl ether	50.0	46.4		ug/L		93	53 - 127	6	16
4-Chloro-3-methylphenol	50.0	43.0		ug/L		86	22 - 147	1	16
4-Chlorophenyl phenyl ether	50.0	44.2		ug/L		88	25 - 158	2	15
4-Nitrophenol	100	44.0		ug/L		44	1 - 132	17	24
Acenaphthene	50.0	43.3		ug/L		87	47 - 145	1	25
Acenaphthylene	50.0	42.0		ug/L		84	33 - 145	6	22
Aniline	50.0	21.7	*	ug/L		43	40 - 120	42	30
Anthracene	50.0	48.0		ug/L		96	27 - 133	5	15
Benzo[a]anthracene	50.0	52.0		ug/L		104	33 - 143	0	15
Benzo[a]pyrene	50.0	48.5		ug/L		97	17 - 163	1	15
Benzo[b]fluoranthene	50.0	50.5		ug/L		101	24 - 159	0	17
Benzo[g,h,i]perylene	50.0	49.3		ug/L		99	1 - 219	8	19
Benzo[k]fluoranthene	50.0	48.9		ug/L		98	11 - 162	3	19
Bis(2-chloroethoxy)methane	50.0	38.7		ug/L		77	33 - 184	14	23
Bis(2-chloroethyl)ether	50.0	36.1		ug/L		72	12 - 158	16	33
Bis(2-ethylhexyl) phthalate	50.0	48.8		ug/L		98	8 - 158	6	15
Butyl benzyl phthalate	50.0	48.5		ug/L		97	1 - 152	6	15
Chrysene	50.0	48.5		ug/L		97	17 - 168	5	15
Dibenz(a,h)anthracene	50.0	46.0		ug/L		92	1 - 227	2	18
Diethyl phthalate	50.0	47.8		ug/L		96	1 - 114	1	15
Dimethyl phthalate	50.0	47.0		ug/L		94	1 - 112	6	15
Di-n-butyl phthalate	50.0	50.9		ug/L		102	1 - 118	0	15
Di-n-octyl phthalate	50.0	49.1		ug/L		98	4 - 146	3	15
Fluoranthene	50.0	49.2		ug/L		98	26 - 137	2	15
Fluorene	50.0	45.8		ug/L		92	59 - 121	6	18
Hexachlorobenzene	50.0	47.9		ug/L		96	1 - 152	3	15
Hexachlorocyclopentadiene	50.0	31.0		ug/L		62	5 - 120	0	50
Hexachloroethane	50.0	24.7		ug/L		49	40 - 113	4	43
Indeno[1,2,3-cd]pyrene	50.0	48.8		ug/L		98	1 - 171	5	17
Isophorone	50.0	45.6		ug/L		91	21 - 196	3	21
Naphthalene	50.0	34.9		ug/L		70	21 - 133	8	31
Nitrobenzene	50.0	38.3		ug/L		77	35 - 180	8	27
N-Nitrosodi-n-propylamine	50.0	39.2		ug/L		78	1 - 230	10	23
N-Nitrosodiphenylamine	50.0	46.3		ug/L		93	54 - 125	7	15
Pentachlorophenol	100	80.6		ug/L		81	14 - 176	7	21
Phenanthrene	50.0	49.5		ug/L		99	54 - 120	1	16
Phenol	50.0	14.7		ug/L		29	5 - 112	35	36
Pyrene	50.0	50.8		ug/L		102	52 - 115	7	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*83*		*52 - 151*

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-305928/3-A
Matrix: Water
Analysis Batch: 306287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 305928

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*44 - 120*
2-Fluorophenol	*39*		*17 - 120*
Nitrobenzene-d5	*78*		*42 - 120*
Phenol-d5	*32*		*10 - 120*
p-Terphenyl-d14	*87*		*22 - 125*

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-306133/1-A
Matrix: Water
Analysis Batch: 306168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.060	0.038	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1221	ND		0.060	0.038	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1232	ND		0.060	0.038	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1242	ND		0.060	0.038	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1248	ND		0.060	0.038	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1254	ND		0.060	0.031	ug/L		06/10/16 14:47	06/10/16 22:05	1
PCB-1260	ND		0.060	0.031	ug/L		06/10/16 14:47	06/10/16 22:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*26 - 135*	*06/10/16 14:47*	*06/10/16 22:05*	*1*
Tetrachloro-m-xylene	*100*		*27 - 159*	*06/10/16 14:47*	*06/10/16 22:05*	*1*

Lab Sample ID: LCS 480-306133/2-A
Matrix: Water
Analysis Batch: 306168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.982		ug/L		98	40 - 142
PCB-1260	1.00	0.820		ug/L		82	67 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*42*		*26 - 135*
Tetrachloro-m-xylene	*94*		*27 - 159*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-305802/1-A
Matrix: Water
Analysis Batch: 306068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		06/09/16 08:25	06/09/16 19:48	1
Copper	ND		0.010	0.0016	mg/L		06/09/16 08:25	06/09/16 19:48	1
Lead	ND		0.010	0.0030	mg/L		06/09/16 08:25	06/09/16 19:48	1

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

Lab Sample ID: MB 480-305802/1-A
Matrix: Water
Analysis Batch: 306068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010	0.0013	mg/L		06/09/16 08:25	06/09/16 19:48	1
Zinc	ND		0.010	0.0015	mg/L		06/09/16 08:25	06/09/16 19:48	1

Lab Sample ID: LCS 480-305802/2-A
Matrix: Water
Analysis Batch: 306068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.189		mg/L		94	85 - 115
Copper	0.200	0.194		mg/L		97	85 - 115
Lead	0.200	0.195		mg/L		98	85 - 115
Nickel	0.200	0.187		mg/L		94	85 - 115
Zinc	0.200	0.189		mg/L		95	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-306251/1-A
Matrix: Water
Analysis Batch: 306503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/13/16 06:15	06/13/16 13:49	1

Lab Sample ID: LCS 480-306251/2-A
Matrix: Water
Analysis Batch: 306503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306251

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

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-306438/1-A
Matrix: Water
Analysis Batch: 306858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Recoverable Phenolics	0.00861	J	0.010	0.0050	mg/L		06/13/16 13:30	06/15/16 09:33	1

Lab Sample ID: LCS 480-306438/2-A
Matrix: Water
Analysis Batch: 306858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Recoverable Phenolics	0.100	0.105		mg/L		105	90 - 110

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

TestAmerica Job ID: 480-101341-1

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-306113/3
Matrix: Water
Analysis Batch: 306113

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			06/10/16 09:56	1

Lab Sample ID: LCS 480-306113/4
Matrix: Water
Analysis Batch: 306113

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	0.193		mg/L as P		97	90 - 110		

QC Association Summary

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

TestAmerica Job ID: 480-101341-1

GC/MS VOA

Analysis Batch: 305895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	624	
480-101341-1 - DL	BCC Area D Influent_0616	Total/NA	Water	624	
LCS 480-305895/5	Lab Control Sample	Total/NA	Water	624	
MB 480-305895/7	Method Blank	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 305928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	625	
LCS 480-305928/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-305928/3-A	Lab Control Sample Dup	Total/NA	Water	625	
MB 480-305928/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 306287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	625	305928
LCS 480-305928/2-A	Lab Control Sample	Total/NA	Water	625	305928
LCSD 480-305928/3-A	Lab Control Sample Dup	Total/NA	Water	625	305928
MB 480-305928/1-A	Method Blank	Total/NA	Water	625	305928

GC Semi VOA

Prep Batch: 306133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	3510C	
LCS 480-306133/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-306133/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 306168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	608	306133
LCS 480-306133/2-A	Lab Control Sample	Total/NA	Water	608	306133
MB 480-306133/1-A	Method Blank	Total/NA	Water	608	306133

Metals

Prep Batch: 305802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	200.7	
LCS 480-305802/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-305802/1-A	Method Blank	Total/NA	Water	200.7	

Analysis Batch: 306068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	200.7 Rev 4.4	305802
LCS 480-305802/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	305802
MB 480-305802/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	305802

Metals (Continued)

Prep Batch: 306251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	245.1	
LCS 480-306251/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 480-306251/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 306503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	245.1	306251
LCS 480-306251/2-A	Lab Control Sample	Total/NA	Water	245.1	306251
MB 480-306251/1-A	Method Blank	Total/NA	Water	245.1	306251

General Chemistry

Analysis Batch: 306113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	SM 4500 P E	
LCS 480-306113/4	Lab Control Sample	Total/NA	Water	SM 4500 P E	
MB 480-306113/3	Method Blank	Total/NA	Water	SM 4500 P E	

Analysis Batch: 306407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	SM 4500 CN G	

Prep Batch: 306438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	Distill/Phenol	
LCS 480-306438/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-306438/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 306858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101341-1	BCC Area D Influent_0616	Total/NA	Water	420.1	306438
LCS 480-306438/2-A	Lab Control Sample	Total/NA	Water	420.1	306438
MB 480-306438/1-A	Method Blank	Total/NA	Water	420.1	306438

Lab Chronicle

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

TestAmerica Job ID: 480-101341-1

Client Sample ID: BCC Area D Influent_0616

Lab Sample ID: 480-101341-1

Date Collected: 06/08/16 10:00

Matrix: Water

Date Received: 06/08/16 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		10	305895	06/09/16 19:05	RJF	TAL BUF
Total/NA	Analysis	624	DL	50	305895	06/10/16 09:42	RJF	TAL BUF
Total/NA	Prep	625			305928	06/09/16 13:46	AVW	TAL BUF
Total/NA	Analysis	625		1	306287	06/14/16 15:29	CAV	TAL BUF
Total/NA	Prep	3510C			306133	06/10/16 14:47	ARS	TAL BUF
Total/NA	Analysis	608		1	306168	06/11/16 00:28	KS	TAL BUF
Total/NA	Prep	200.7			305802	06/09/16 08:25	CMM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	306068	06/09/16 20:54	AMH	TAL BUF
Total/NA	Prep	245.1			306251	06/13/16 06:15	KJ1	TAL BUF
Total/NA	Analysis	245.1		1	306503	06/13/16 14:05	KJ1	TAL BUF
Total/NA	Prep	Distill/Phenol			306438	06/13/16 13:30	MDL	TAL BUF
Total/NA	Analysis	420.1		1	306858	06/15/16 10:19	LED	TAL BUF
Total/NA	Analysis	SM 4500 CN G		1	306407	06/13/16 11:48	KMF	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	306113	06/10/16 09:56	KMF	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-101341-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,2-Dichloroethene, Total
625	625	Water	1,2-Dichlorobenzene
625	625	Water	1,2-Diphenylhydrazine
625	625	Water	1,3-Dichlorobenzene
625	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

TestAmerica Job ID: 480-101341-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	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 4500 CN G	Cyanide, Amenable	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	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",

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-101341-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101341-1	BCC Area D Influent_0616	Water	06/08/16 10:00	06/08/16 15:15

Detection Limit Exceptions Summary

Client: Ontario Specialty Contracting, Inc. TestAmerica Job ID: 480-101341-1
Project/Site: Buffalo Color Area D Annual Influent

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great 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 procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	2,4-Dinitrotoluene	ug/L	5.0	10
625	Water	4-Nitrophenol	ug/L	10	15
625	Water	Hexachlorocyclopentadiene	ug/L	5.0	10

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Schove, John	Site Contact: Andrew Madden	6-8-16	COC No: 480-78991-8316.1
Ontario Specialty Contracting Inc.	Tel/Fax: (716) 655-1250	Lab Contact: Schove, John	Carrier: OSC	1 of 1 COCs
333 Ganson Street	Analysis Turnaround Time			Job No. 0913-OMM
Buffalo, NY, 14203	Calendar (C) or Work Days (W) W			
716-856-3333 Phone	TAT			SDG No.
716-842-1630 FAX	[X] 2 weeks			
Project Name: Buffalo Color Area D Influent	[ ] 1 week			
Site: Honeywell Buffalo Color - NY915012 EIM SITE ID - 37745	[ ] 2 days			
PO# 52954	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	4500_P_E - Total Phosphate as P	300.7, 245.1	420.4 - Total Recoverable Phenolics	624_5ml-(MOD) Priority Pollutant List-VOA-62	608_PCB - Priority Pollutant PCBs	625 - (MOD) Priority Pollutant List - SVOA - 6	4500_CN_E, 4500_CN_G	SM4500CN_G_Calc - Cyanide, Amenable	Sample Specific Notes:
BCC_Area D_Influent_0616	6/8-16	1000	G	W	12	N	1	1	1	3	2	2	1	1	
Container Volume (ml)							250	250	250	40	1000	1000	250	250	
Preservation Used: 1= Ice 2= HCl 3= H2SO4 4=HNO3 5=NaOH 6=Other							3-P	4-P	3-A	2-V	1-A	1-A	5-P	5-P	

480-101341 Chain of Custody

Possible Hazard Identification
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [X] Unknown

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

Special Instructions/QC Requirements & Comments:

Container Code: A=Amber G=Glass P=Poly/Plastic S=Summa T=Tedlar V=Vial

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Tom Wagner	OSC	6/8/16 1515			6/9/16 1515
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

3.3 #1

Login Sample Receipt Checklist

Client: Ontario Specialty Contracting, Inc.

Job Number: 480-101341-1

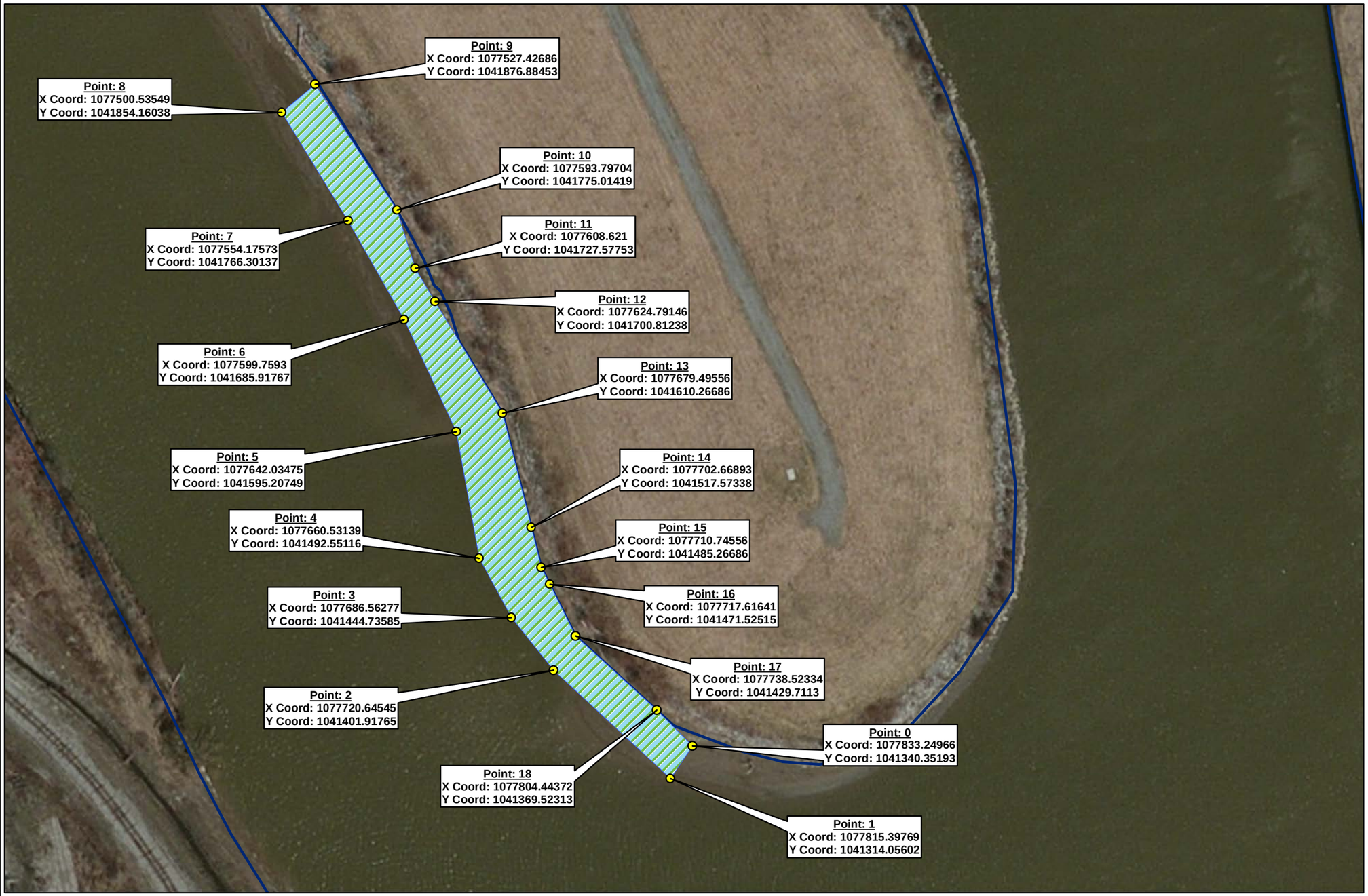
Login Number: 101341
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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

ATTACHMENT H

BATHYMETRIC SURVEY



Legend

- Vertices Coordinates
- Buffalo River Area of Concern
- Approximate Sediment Cap Area

Coordinates: NAD 83 New York State Plane West (feet)

0 45 90 180

Feet

N

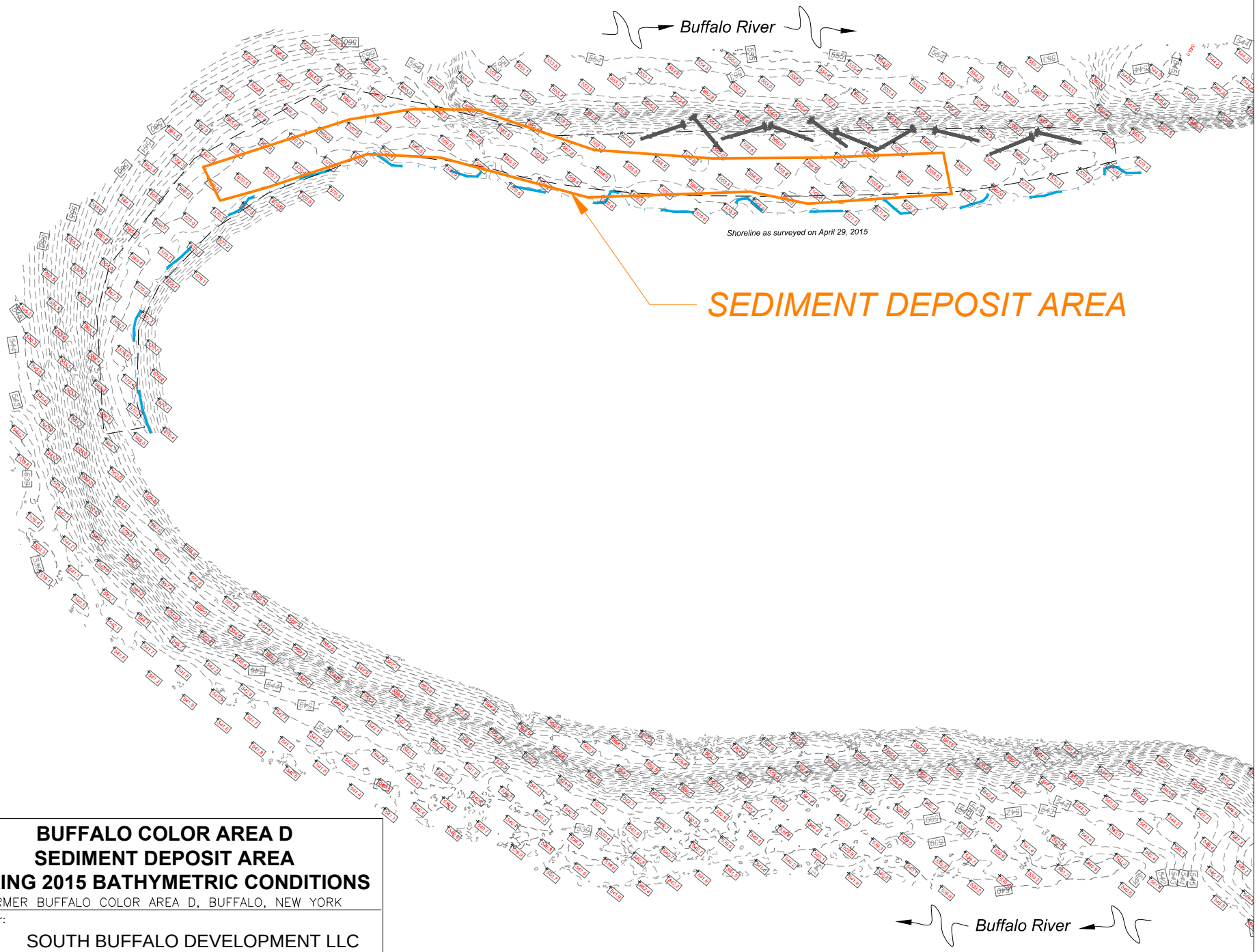
ENVIRON

MACTEC

APPROXIMATE SEDIMENT CAP AREA
NAD 83 NEW YORK STATE PLANE WEST (FEET)
BUFFALO RIVER

Figure
1

Drafter: B. Radakovich
Contract Number:
File Name: 20130517_SedimentCap.mxd



Title:

BUFFALO COLOR AREA D
SEDIMENT DEPOSIT AREA
SPRING 2015 BATHYMETRIC CONDITIONS

FORMER BUFFALO COLOR AREA D, BUFFALO, NEW YORK

Prepared For:

SOUTH BUFFALO DEVELOPMENT LLC

OSC

Compiled by: OSC	Date: 5/28/2015	FIGURE
Prepared by: OSC	Scale: AS SHOWN	1
Project Mgr: PM	Project: AREA D SDA	
File: BCC.OMM AREA D SDA SURVEY		

100' 0 100'

NOTE: Bathymetric survey performed by Thew Associates on April 29, 2015 (Project No. CK3566-07-14).