INVENTUM ENGINEERING, PC

June 26, 2023

Megan Kuczka
Project Manager
New York State Department of Environmental Conservation
700 Delaware Avenue
Buffalo, NY 14209

Re: Indoor Air Sampling Report
Site Name: Buffalo Color Corporation Site Area C
Site No.: C915231
Site Address: 229 Elk Street
Buffalo, New York 14210

Dear Ms. Kuczka:

On behalf of South Buffalo Development Corporation, LLC (SBD), Inventum Engineering, P.C. (Inventum) is pleased to submit this Indoor Air Sampling Report for the former Buffalo Color Corporation (BCC) Area C Brownfield Cleanup Program (BCP) Site (Site No. C915231). The 6.03-acre Area C Site is located at 229 Elk Street in the City of Buffalo, County of Erie, New York and is one of five areas that comprised the former BCC. BCC produced dyes and organic chemicals until its bankruptcy in 2005.

Remedial investigations had previously determined that Site soil contained concentrations of certain metals and organic substances that exceeded the New York State Department of Environmental Conservation (NYSDEC) Commercial Soil Cleanup Objectives (SCOs). Shallow groundwater on the northern half of Area C was found to contain concentrations of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) that exceeded the NY State Class GA Standards. Remedial activities conducted at the Site are documented in the December 2010 Area C Final Engineering Report (FER) and December 2010 Area C Site Management Plan (SMP)[1].

Additional remedial activities were conducted in accordance with a May 2019 Remedial Action Work Plan (RAWP) to upgrade the existing remedial actions to meet the requirements for Restricted-Residential development. Included was the design, construction, and operation of a sub-slab depressurization (SSD) system, which has been in operation since building occupancy was approved in December 2020. The SSD system was voluntarily installed as a proactive measure to mitigate any potential vapor intrusion issues at the Site.

Post-construction communication testing of the SSD was completed in October 2021 and January 2023 (Attachment A) and the system is operating as designed.

[1] The FER and SMP are currently being revised to document additional remedial activities and institutional controls/engineering controls put in place since 2010 to allow for Restricted-Residential use. The FER/SMP revisions include an Operations and Maintenance Plan for the SSD system.

Indoor air sampling was conducted in March 2023 in accordance with the June 16, 2022 NYSDEC approved Indoor Air Sampling Work Plan (IAWP).

Indoor Air Sampling Conditions

Sample Location and Methods

Indoor air samples were collected on March 16, 2023 in general accordance with the following guidance document:

- Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, New York State Department of Health (NYSDOH), Center for Environmental Health Bureau of Environmental Exposure Investigation. October 2006

Indoor air samples were collected at two (2) indoor locations (Area C-01 and Area C-02) and one (1) outdoor location (Area C-03) as shown on Figure 1 and Attachment B. One (1) 8-hour sample was collected at each location in a laboratory certified clean Summa® canister and submitted to Alpha Analytical Laboratories of Buffalo, New York for Volatile Organic Compound (VOC) analysis using EPA Method TO-15/TO-15-SIM.

The laboratory data report is provided as Attachment C1 and EQUiS files were submitted to the NYSDEC on May 16, 2023. The analytical data package received a third-party data validation review by Validata, LLC of Seattle, Washington. A data usability summary report (DUSR) is provided in Attachment C2. The DUSR did not identify any data usability issues.

Samples were collected between 8AM and 5 PM. The inlet of the sample collection canisters were elevated approximately 3-feet above the basement surface or outdoor ground surface during collection. Each location was screened with a photoionization detector (PID) prior to and after sample collection and there were no readings detected.

The outdoor sample (Area C-03) was located on the northwest corner of the building to avoid exhaust fumes from commercial vehicles working in the originally proposed location on the southeastern corner of the building. Outside weather conditions on the day of sampling between the hours of 8AM and 5PM included an average temperature of 44 degrees F, relative humidity of 40-percent, winds coming from the southwest at an average speed of 17 miles per hour (mph), and no precipitation. The building heating supply was active during the sampling period and basement temperatures were between 65- and 70-degrees F.

Indoor sample Area C-01 was collected in the northeastern section of the basement adjacent to one of the SSD combined water and soil vapor collection sumps. There were no chemicals noted in the vicinity of the sample location and the area was clear of any construction materials.

Indoor sample Area C-02 was collected in the southern end of the basement below the 2nd floor unoccupied dwelling unit. There were no chemicals noted in the vicinity of the sample location and the area was clear of any construction materials. The area was being utilized for some portion of the day by a catering service and there were catering supplies (decorations, plates, silverware,

etc....) stored in the vicinity. There were no cleaning supplies noted in the catering supplies, but the decorations were printed with an ink or paint.

Results

A summary of the sampling results is provided in Table 1. Methylene chloride, carbon tetrachloride, and tetrachloroethene were detected in the indoor air samples (Area C-01 and Area C-02) at concentrations above their respective guideline concentrations in the NYSDOH guidance document.

Carbon tetrachloride was detected in the outdoor air sample at a similar concentration (0.44 micrograms per cubic meter [µg/m^3]) to the two indoor samples (0.428 µg/m^3 and 0.51 µg/m^3). The outdoor and indoor air detections should be considered indicative of background levels.

Methylene chloride and Tetrachloroethene are not, and have not, been constituents of concern in soil or groundwater at the site. Each of these compounds were consistently not detected in soil samples reflective of contamination remaining on the site after completion of remedial activities (Attachment D). Tetrachloroethene has not been detected in groundwater samples collected as part of the routine and ongoing site monitoring (Attachment E1) or in the baseline groundwater data reflective of conditions after completion of remedial activities (Attachment E2). Methylene chloride was detected in groundwater samples collected as part of routine site monitoring in November 2019 and May 2020 (Attachment E1). However, it was also detected in the method blank in the samples from November 2019 and the May 2020 detections were at estimated concentrations below the reporting limit. Methylene chloride was not detected in baseline groundwater data reflective of conditions after completion of remedial activities (Attachment E2) and has not been detected since May 2020.

Methylene chloride and tetrachloroethene were detected in several of the sub-slab vapor (SSV) samples collected as part of the Soil Vapor Intrusion Investigation conducted in 2017 as part of the Supplemental Alternatives Analysis Report for the redevelopment and change in site use from commercial to restricted-residential (Attachment F). However, the concentrations in those samples from 2017 were an order of magnitude less than the recent results (Table 1) and several were qualified as estimated with a high bias.

Inventum understands that a commercially available concrete epoxy floor coating was used to seal the concrete in the basement during the redevelopment and numerous commercial scale refrigeration and other catering equipment has been installed in the basement in proximity to the sample locations. The epoxy coating and refrigeration equipment were installed in June/July 2022. A product technical data sheet and safety data sheet (SDS) for the coating is provided in Attachment G. The listed coating composition contains 48,000 milligrams per liter (mg/L) of VOCs [16,000 mg/L including water]. The specific VOC constituents that may be present in the epoxy were not listed.

Recommendations

The historical data (Attachments D, E, and F) supports an assessment that the methylene chloride and tetrachloroethene concentrations are most likely due to building materials utilized in the redevelopment of the space and not from soil vapor intrusion. The SSD system is operating as designed (Attachment A) and is maintaining sub-slab vacuum levels exceeding design criteria (greater than -0.004 inches of water column [wci]).

Inventum proposes to allow the basement sealant and equipment to vent and include an initial one-year program of indoor air sampling to the Site Management Plan (SMP) currently under review by NYSDEC/NYSDOH. The program would be initiated in the fall 2023 and will include the collection of four consecutive quarterly samples collected at the same three locations referenced in this report. The initial set of three samples will be collected (pending Summa Canister availability) within 15 days of the start of the 2023 heating season. The sample period is intended to validate/confirm the recent data after the new sealant and equipment have been in the basement for a reasonable period. After four samples are collected a trend analysis will be conducted and submitted to the DEC.

As always, please do not hesitate to contact me directly at 571.217.3627 with any questions or comments.

Respectfully submitted,

Todd Waldrop

Project Director

Ecc: Andrea Caprio - NYSDEC
Eugene Melnyk - NYSDEC
Teresa Mucha - NYSDEC
Jacquelyn Nealon - NYSDOH
Charlotte Bethoney - NYSDOH
John Yensan – OSC, Inc.
Jon Williams – OSC, Inc.
John Black – Inventum Engineering

Tables

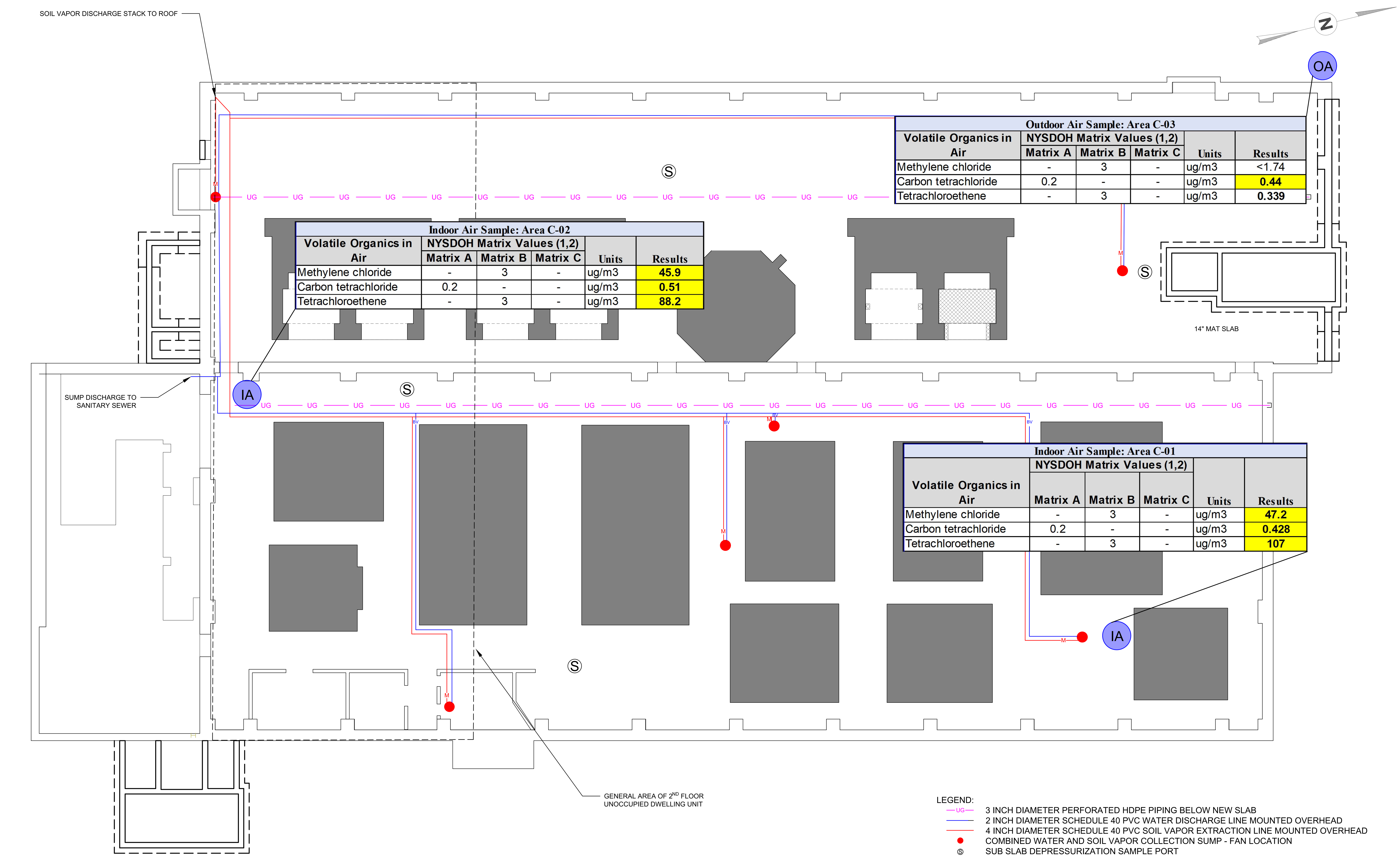
Table 1
Former Buffalo Color - Area C
BCP Site #C915231
Basement Indoor Air Sampling Results

				LOCATION:	**Area C-01**	**Area C-02**	**Area C-03**
				SAMPLING DATE:	**3/16/2023**	**3/16/2023**	**3/16/2023**
				LAB SAMPLE ID:	**L2314072-01**	**L2314072-02**	**L2314072-03**
				SAMPLE TYPE:	**INDOOR AIR**	**INDOOR AIR**	**OUTDOOR AIR**
	NYSDOH Matrix Values (a)						
Volatile Organics in Air	**Matrix A**	**Matrix B**	**Matrix C**	**Units**	**Results**	**Results**	**Results**
1,1,2,2-Tetrachloroethane	-	-	-	ug/m3	<1.37	<1.37	<1.37
1,1,2-Trichloroethane	-	-	-	ug/m3	<1.09	<1.09	<1.09
1,1-Dichloroethane	-	-	-	ug/m3	<0.809	<0.809	<0.809
1,2,4-Trichlorobenzene	-	-	-	ug/m3	<1.48	<1.48	<1.48
1,2,4-Trimethylbenzene	-	-	-	ug/m3	<0.983	<0.983	<0.983
1,2-Dibromoethane	-	-	-	ug/m3	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	-	-	-	ug/m3	<1.2	<1.2	<1.2
1,2-Dichloroethane	-	-	-	ug/m3	<0.809	<0.809	<0.809
1,2-Dichloropropane	-	-	-	ug/m3	<0.924	<0.924	<0.924
1,3,5-Trimethylbenzene	-	-	-	ug/m3	<0.983	<0.983	<0.983
1,3-Butadiene	-	-	-	ug/m3	<0.442	<0.442	<0.442
1,3-Dichlorobenzene	-	-	-	ug/m3	<1.2	<1.2	<1.2
1,4-Dichlorobenzene	-	-	-	ug/m3	<1.2	<1.2	<1.2
1,4-Dioxane	-	-	-	ug/m3	<0.721	<0.721	<0.721
2,2,4-Trimethylpentane	-	-	-	ug/m3	<0.934	<0.934	<0.934
2-Butanone	-	-	-	ug/m3	**7.99**	**10.1**	<1.47
2-Hexanone	-	-	-	ug/m3	**0.865**	**1.12**	<0.82
3-Chloropropene	-	-	-	ug/m3	<0.626	<0.626	<0.626
4-Ethyltoluene	-	-	-	ug/m3	<0.983	<0.983	<0.983
4-Methyl-2-pentanone	-	-	-	ug/m3	<2.05	<2.05	<2.05
Acetone	-	-	-	ug/m3	**62.9**	**62.7**	**4.35**
Benzene	-	-	-	ug/m3	**1.3**	**1.29**	<0.639
Benzyl chloride	-	-	-	ug/m3	<1.04	<1.04	<1.04
Bromodichloromethane	-	-	-	ug/m3	<1.34	<1.34	<1.34
Bromoform	-	-	-	ug/m3	<2.07	<2.07	<2.07
Bromomethane	-	-	-	ug/m3	<0.777	<0.777	<0.777
Carbon disulfide	-	-	-	ug/m3	<0.623	<0.623	<0.623
Chlorobenzene	-	-	-	ug/m3	<0.921	<0.921	<0.921
Chloroethane	-	-	-	ug/m3	<0.528	<0.528	<0.528
Chloroform	-	-	-	ug/m3	<0.977	<0.977	<0.977
Chloromethane	-	-	-	ug/m3	**0.925**	**0.968**	**1.15**
cis-1,3-Dichloropropene	-	-	-	ug/m3	<0.908	<0.908	<0.908
Cyclohexane	-	-	-	ug/m3	**1.95**	**1.79**	<0.688
Dibromochloromethane	-	-	-	ug/m3	<1.7	<1.7	<1.7
Dichlorodifluoromethane	-	-	-	ug/m3	**2.58**	**2.7**	**2.69**
Ethanol	-	-	-	ug/m3	**838**	**765**	<9.42
Ethyl Acetate	-	-	-	ug/m3	**5.19**	**6.49**	<1.8
Ethylbenzene	-	-	-	ug/m3	**7.17**	**7.25**	<0.869
Freon-113	-	-	-	ug/m3	<1.53	<1.53	<1.53
Freon-114	-	-	-	ug/m3	<1.4	<1.4	<1.4
Heptane	-	-	-	ug/m3	**2.1**	**2.07**	<0.82
Hexachlorobutadiene	-	-	-	ug/m3	<2.13	<2.13	<2.13
Isopropanol	-	-	-	ug/m3	**2.34**	**2.15**	<1.23
Methyl tert butyl ether	-	-	-	ug/m3	<0.721	<0.721	<0.721
Methylene chloride	-	3	-	ug/m3	**47.2**	**45.9**	<1.74
n-Hexane	-	-	-	ug/m3	**1.91**	**1.91**	<0.705
o-Xylene	-	-	-	ug/m3	**4.6**	**4.65**	<0.869
p/m-Xylene	-	-	-	ug/m3	**22.5**	**23.5**	<1.74
Styrene	-	-	-	ug/m3	<0.852	<0.852	<0.852
Tertiary butyl Alcohol	-	-	-	ug/m3	**4.21**	**4.43**	<1.52
Tetrahydrofuran	-	-	-	ug/m3	**10.8**	**9.47**	<1.47
Toluene	-	-	-	ug/m3	**3.92**	**4.41**	<0.754
trans-1,2-Dichloroethene	-	-	-	ug/m3	<0.793	<0.793	<0.793
trans-1,3-Dichloropropene	-	-	-	ug/m3	<0.908	<0.908	<0.908
Trichlorofluoromethane	-	-	-	ug/m3	**2.26**	**2.26**	**1.28**
Vinyl bromide	-	-	-	ug/m3	<0.874	<0.874	<0.874
1,1,1-Trichloroethane	-	3	-	ug/m3	0.988	**1.16**	<0.109
1,1-Dichloroethene	0.2	-	-	ug/m3	<0.079	<0.079	<0.079
Carbon tetrachloride	0.2	-	-	ug/m3	**0.428**	**0.51**	**0.44**
cis-1,2-Dichloroethene	0.2	-	-	ug/m3	<0.079	<0.079	<0.079
Tetrachloroethene	-	3	-	ug/m3	**107**	**88.2**	**0.339**
Trichloroethene	0.2	-	-	ug/m3	<0.107	<0.107	<0.107
Vinyl chloride	-	-	0.2	ug/m3	<0.051	<0.051	<0.051

(a) Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. NYSDOH. Matrix A, B, and C Indoor Air Guideline concentrations. Updated May 2017;
"-" = No Guideline Value Available

"<" - Analyte was not-detected above reportling limit shown; "ug/m3" - micrograms per cubic meter
Bold values indicate a detection above reporting limit. Yellow highlighted values indicate exceedances of matrix guidance value shown.

Figures



Outdoor Air Sample: Area C-03					
Volatile Organics in Air	NYSDOH Matrix Values (1,2)			Units	Results
	Matrix A	Matrix B	Matrix C		
Methylene chloride	-	3	-	ug/m3	<1.74
Carbon tetrachloride	0.2	-	-	ug/m3	0.44
Tetrachloroethene	-	3	-	ug/m3	0.339

Indoor Air Sample: Area C-02					
Volatile Organics in Air	NYSDOH Matrix Values (1,2)			Units	Results
	Matrix A	Matrix B	Matrix C		
Methylene chloride	-	3	-	ug/m3	45.9
Carbon tetrachloride	0.2	-	-	ug/m3	0.51
Tetrachloroethene	-	3	-	ug/m3	88.2

Indoor Air Sample: Area C-01					
Volatile Organics in Air	NYSDOH Matrix Values (1,2)			Units	Results
	Matrix A	Matrix B	Matrix C		
Methylene chloride	-	3	-	ug/m3	47.2
Carbon tetrachloride	0.2	-	-	ug/m3	0.428
Tetrachloroethene	-	3	-	ug/m3	107

LEGEND:
- UG — 3 INCH DIAMETER PERFORATED HDPE PIPING BELOW NEW SLAB
- 2 INCH DIAMETER SCHEDULE 40 PVC WATER DISCHARGE LINE MOUNTED OVERHEAD
- 4 INCH DIAMETER SCHEDULE 40 PVC SOIL VAPOR EXTRACTION LINE MOUNTED OVERHEAD
- COMBINED WATER AND SOIL VAPOR COLLECTION SUMP - FAN LOCATION
- S — SUB SLAB DEPRESSURIZATION SAMPLE PORT
- M — MANOMETER LOCATION
- BV — 2 INCH DIAMETER BALL CHECK VALVE (WATER DISCHARGE LINE)

NOTES:
(1) CONSTITUENTS IN CHEM BOXES SHOWN IF DETECTED IN AT LEAST ONE SAMPLE AT A CONCENTRATION ABOVE GUIDELINE VALUES SHOWN.
(2) NYSDOH SOIL VAPOR INTRUSION MATRIX GUIDANCE VALUES (MAY 2017).
(3) DARK GRAYED AREAS ARE SOLID CONCRETE FOUNDATION SUPPORT STRUCTURES SPANNING THE HEIGHT OF THE BASEMENT.

D

DRAWING BY	T. WALDROP
CHECKED	J. BLACK
APPROVED	J. BLACK

Indoor Air Sampling Locations and Results

Buffalo Color Corporation Site Area C
Erie County, Site No. C915231

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
www.InventumEng.com

FIGURE 1

Attachment A – 2023 SSD Communications Testing Report

ORION
Environmental Solutions, LLC

January 24, 2023

Mr. Larry Pirrone
OSC, Inc.
140 Lee Street
Buffalo, New York 14210

Re: Sub-Slab Depressurization (SSD) System – Communication Testing
Former Buffalo Color Area C Site
140 Lee Street, Buffalo, New York

Dear Mr. Pirrone,

Thank you for the opportunity to provide sub-slab depressurization (SSD) system communication testing services at the above referenced Site.

On January 23, 2023, Orion Environmental Solutions, LLC (Orion) personnel utilized a Dwyer handheld digital manometer (Model: 475-00-FM) to conduct communication testing throughout the on-site structure. The Dwyer manometer reads both pressure (positive values) and vacuum (negative values) at a precision of 0.001 inches of water column (wci). Six roof-mounted fans operating for a period of 5 days prior to communication testing activities which created a negative sub-slab pressure relative to ambient air within the building. Five pre-installed sample ports were used to measure the pressure differential between the occupied space and the zone below the slab. SSD piping, roof fan, and sample port locations are shown on Figure 1 (attached).

With the SSD system operational and all doors/windows closed, the following pressure differentials were recorded:

- Test Port #1: -0.009 wci
- Test Port #2: -0.012 wci
- Test Port #3: -0.012 wci
- Test Port #4: -0.010 wci
- Test Port #5: -0.009 wci

As shown, each measurement exceeded the pressure differential creation objective of -0.004 wci. Three of the five measurements adhered to a typical system design pressure differential of -0.010 wci, with two of the five measuring only slightly below. As such, Orion has determined that the ASD system is operating as designed. Representative project photographs are presented in Attachment 1.

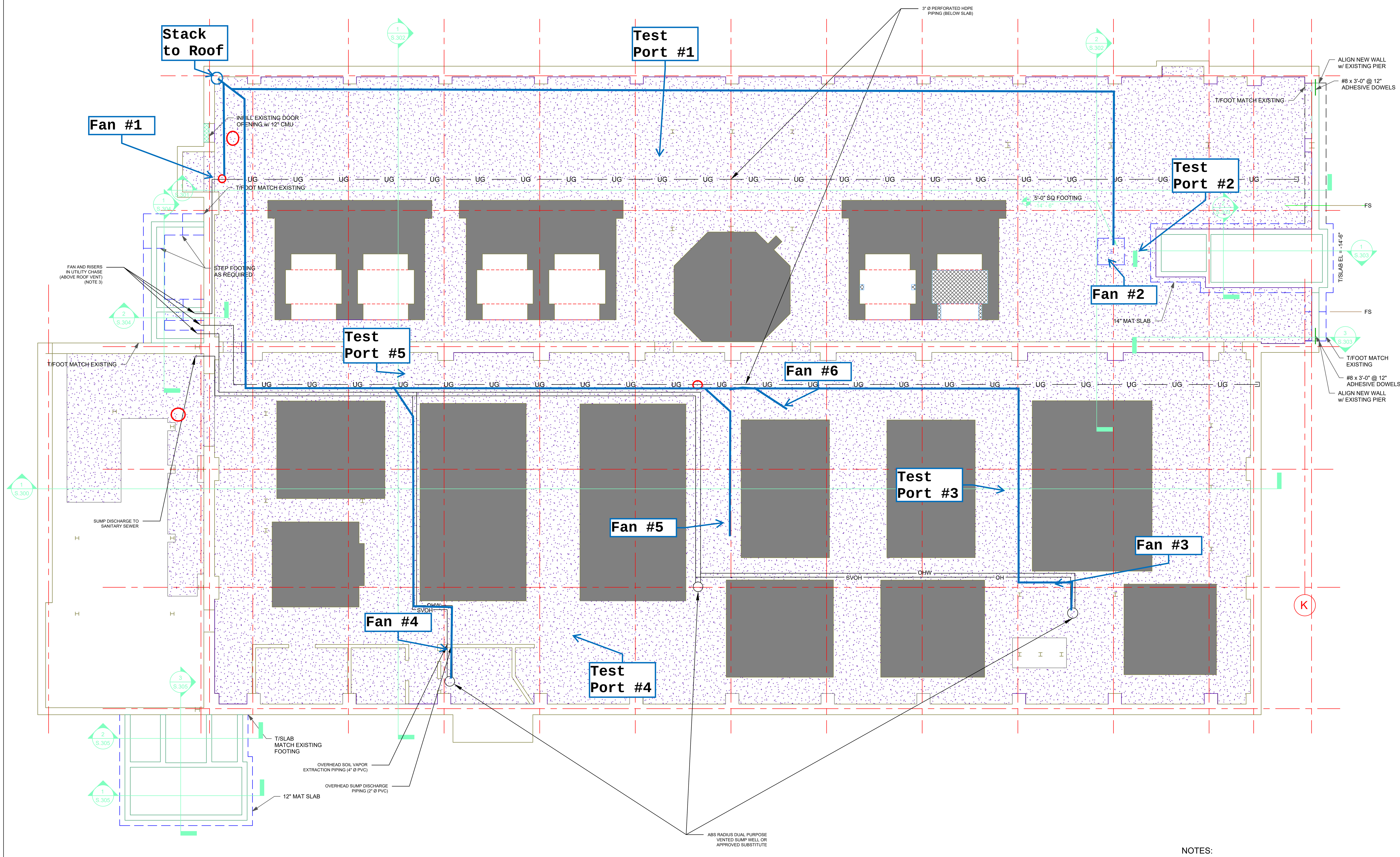
Feel free to call me with any questions.

Sincerely,
Orion Environmental Solutions, LLC

Bryan C. Hann, P.G.
Chief Executive Officer

File: 0030-001-003

FIGURES



NOTES:
1). SEE FIGURE E-1 FOR REQUIRED DEMOLITION
2). SEE FIGURE E-3 FOR DETAILS
3). ENSURE MANOMETERS CAN BE INSPECTED

DRAWING BY J. BLACK II
CHECKED J. BLACK
APPROVED XXX

Subslab Depressurization System
140 Lee Street, Buffalo, NY

INVENTUM ENGINEERING
481 CARLISLE DRIVE
SUITE 202
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 1

DRAWING NUMBER: 02 of 03

ATTACHMENT 1

PROJECT PHOTOGRAPHS

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

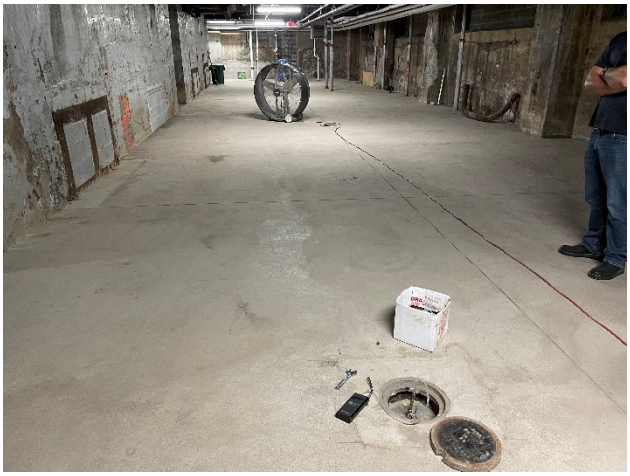


Photo 3:

Photo 4:

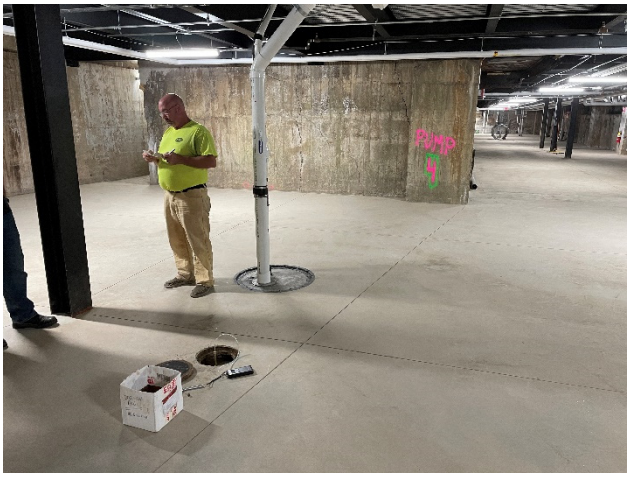


Photo 1: Test Port #1 showing measured pressure differential.

Photo 2: Test Port #1 location (photo from October 2021).

Photo 3: Test Port #2 showing measured pressure differential.

Photo 4: Test Port #2 location (photo from October 2021).

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

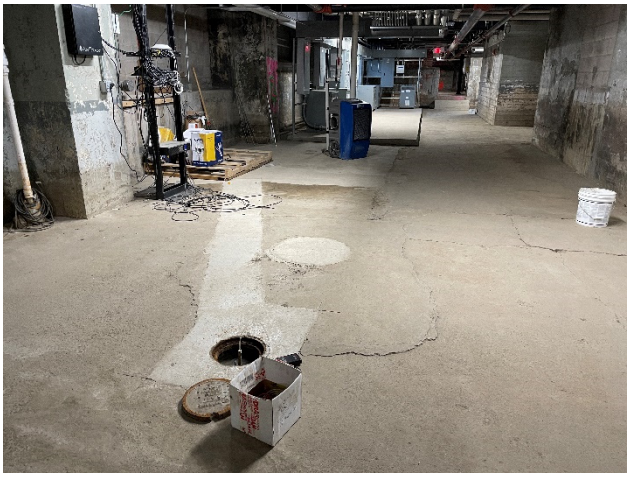


Photo 5: Test Port #3 showing measured pressure differential.

Photo 6: Test Port #3 location (photo from October 2021).

Photo 7: Test Port #4 showing measured pressure differential.

Photo 8: Test Port #4 location (photo from October 2021).

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

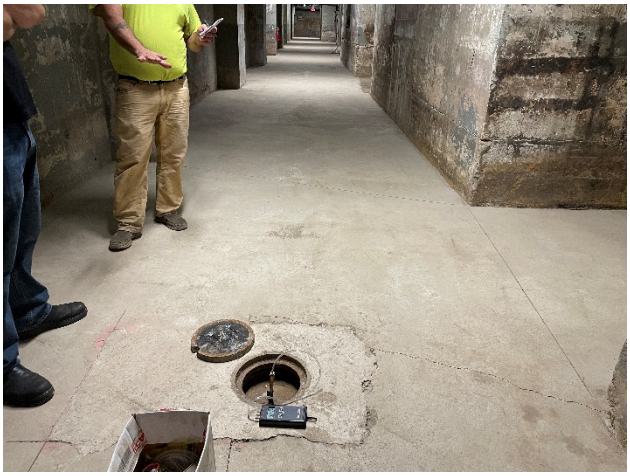


Photo 11:

Photo 12:

Photo 9: Test Port #5 showing measured pressure differential.

Photo 10: Test Port #5 location (photo from October 2021).

Photo 11: NA

Photo 12: NA

Attachment B – Photographs

Client Name: SBD	Area C Indoor Air Sampling	Project: Buffalo Color Corporation Site Area C
Photo No. 1 Direction Photo Taken: N/A Description: Area C – 01 Indoor Air Sample		
Client Name: SBD	Area C Indoor Air Sampling	Project: Buffalo Color Corporation Site Area C
Photo No. 2 Direction Photo Taken: N/A Description: Area C – 02 Indoor Air Sample		

Client Name: SBD	Area C Indoor Air Sampling	Project: Buffalo Color Corporation Site Area C
Photo No. 3		
Direction Photo Taken: N/A		
Description: Area C – 03 Outdoor Air Sample		

Attachment C1 – Laboratory Data Reports

ANALYTICAL REPORT

Lab Number:	L2314072
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	Todd Waldrop
Phone:	(571) 752-6562
Project Name:	BUFFALO COLOR AREA C
Project Number:	AREA C - LEE ST.
Report Date:	03/30/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2314072-01	AREA C-01-03162023	AIR	140 LEE ST.	03/16/23 16:25	03/17/23
L2314072-02	AREA C-02-03162023	AIR	140 LEE ST.	03/16/23 16:30	03/17/23
L2314072-03	AREA C-03-03162023	AIR	140 LEE ST.	03/16/23 16:35	03/17/23

Project Name:	BUFFALO COLOR AREA C	**Lab Number:**	L2314072
Project Number:	AREA C - LEE ST.	**Report Date:**	03/30/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BUFFALO COLOR AREA C	**Lab Number:**	L2314072
Project Number:	AREA C - LEE ST.	**Report Date:**	03/30/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 13, 2023. The canister certification results are provided as an addendum.

Sample Receipt

L2314072-02: The flow controller ID number for the sample is listed on the CoC as 0846 but should be 0842.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/30/23

AIR

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 20:20
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.521	0.200	--	2.58	0.989	--		1
Chloromethane	0.448	0.200	--	0.925	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	445	5.00	--	838	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.5	1.00	--	62.9	2.38	--		1
Trichlorofluoromethane	0.403	0.200	--	2.26	1.12	--		1
Isopropanol	0.951	0.500	--	2.34	1.23	--		1
Tertiary butyl Alcohol	1.39	0.500	--	4.21	1.52	--		1
Methylene chloride	13.6	0.500	--	47.2	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.71	0.500	--	7.99	1.47	--		1
Ethyl Acetate	1.44	0.500	--	5.19	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.66	0.500	--	10.8	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.543	0.200	--	1.91	0.705	--		1
Benzene	0.408	0.200	--	1.30	0.639	--		1
Cyclohexane	0.567	0.200	--	1.95	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.512	0.200	--	2.10	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.04	0.200	--	3.92	0.754	--		1
2-Hexanone	0.211	0.200	--	0.865	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.65	0.200	--	7.17	0.869	--		1
p/m-Xylene	5.19	0.400	--	22.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.06	0.200	--	4.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 20:20
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.181	0.020	--	0.988	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	15.8	0.020	--	107	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 20:59
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--		1
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	406	5.00	--	765	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.4	1.00	--	62.7	2.38	--		1
Trichlorofluoromethane	0.403	0.200	--	2.26	1.12	--		1
Isopropanol	0.875	0.500	--	2.15	1.23	--		1
Tertiary butyl Alcohol	1.46	0.500	--	4.43	1.52	--		1
Methylene chloride	13.2	0.500	--	45.9	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.41	0.500	--	10.1	1.47	--		1
Ethyl Acetate	1.80	0.500	--	6.49	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.21	0.500	--	9.47	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.542	0.200	--	1.91	0.705	--		1
Benzene	0.404	0.200	--	1.29	0.639	--		1
Cyclohexane	0.519	0.200	--	1.79	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.505	0.200	--	2.07	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.17	0.200	--	4.41	0.754	--		1
2-Hexanone	0.274	0.200	--	1.12	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.67	0.200	--	7.25	0.869	--		1
p/m-Xylene	5.41	0.400	--	23.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.07	0.200	--	4.65	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 20:59
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.213	0.020	--	1.16	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	13.0	0.020	--	88.2	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 21:39
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--		1
Chloromethane	0.558	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.83	1.00	--	4.35	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 21:39
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/23 18:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1760406-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/23 18:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1760406-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/23 18:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1760406-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 19:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1760407-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO COLOR AREA C

Project Number: AREA C - LEE ST.

Lab Number: L2314072

Report Date: 03/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1760406-3								
Dichlorodifluoromethane	114		-		70-130	-		
Chloromethane	104		-		70-130	-		
Freon-114	108		-		70-130	-		
Vinyl chloride	110		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	107		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	113		-		70-130	-		
Isopropanol	87		-		40-160	-		
1,1-Dichloroethene	112		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1760406-3								
Ethyl Acetate	102		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	124		-		70-130	-		
n-Hexane	108		-		70-130	-		
1,1,1-Trichloroethane	119		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	128		-		70-130	-		
Cyclohexane	110		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	121		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	114		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	110		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	90		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1760406-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	92		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO COLOR AREA C

Project Number: AREA C - LEE ST.

Lab Number: L2314072

Report Date: 03/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1760407-3								
Vinyl chloride	105		-		70-130	-		25
1,1-Dichloroethene	108		-		70-130	-		25
cis-1,2-Dichloroethene	106		-		70-130	-		25
1,1,1-Trichloroethane	113		-		70-130	-		25
Carbon tetrachloride	121		-		70-130	-		25
Trichloroethene	97		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25

Project Name: BUFFALO COLOR AREA C

Project Number: AREA C - LEE ST.

Lab Number: L2314072

Report Date: 03/30/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2314072-01	AREA C-01-03162023	01126	Flow 5	03/13/23	417131		-	-	-	Pass	4.5	4.4	2
L2314072-01	AREA C-01-03162023	2031	2.7L Can	03/13/23	417131	L2311932-06	Pass	-30.4	0.0	-	-	-	-
L2314072-02	AREA C-02-03162023	0842	Flow 5	03/13/23	417131		-	-	-	Pass	4.5	4.6	2
L2314072-02	AREA C-02-03162023	247	2.7L Can	03/13/23	417131	L2311932-06	Pass	-29.4	-7.0	-	-	-	-
L2314072-03	AREA C-03-03162023	01006	Flow 5	03/13/23	417131		-	-	-	Pass	4.5	4.6	2
L2314072-03	AREA C-03-03162023	2362	2.7L Can	03/13/23	417131	L2311932-06	Pass	-29.5	-4.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/08/23 23:28
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/08/23 23:28
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2311932
Report Date: 03/30/23

Air Canister Certification Results

Lab ID: L2311932-06
Client ID: CAN 3744 SHELF 18
Sample Location:

Date Collected: 03/08/23 10:00
Date Received: 03/08/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2314072-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2314072-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2314072-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	BUFFALO COLOR AREA C	**Lab Number:**	L2314072
Project Number:	AREA C - LEE ST.	**Report Date:**	03/30/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	BUFFALO COLOR AREA C	**Lab Number:**	L2314072
Project Number:	AREA C - LEE ST.	**Report Date:**	03/30/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	BUFFALO COLOR AREA C	**Lab Number:**	L2314072
Project Number:	AREA C - LEE ST.	**Report Date:**	03/30/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/18/23

ALPHA Job #: L2314072

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: INVENTUM ENG.
Address: 441 Carlisle Drive HERNDON VA Suite C.
Phone: 716-553-5129
Fax:
Email: Peter.Zaffram@inventumeng.com

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name: Buffalo Color area C
Project Location: 140 Lee St.
Project #: Area C - Lee St.
Project Manager: Todd Waldrop
ALPHA Quote #:

Turn-Around Time

☒ Standard ❑ RUSH (only confirmed if pre approved!)

Date Due: Time:

Report Information - Data Deliverables

❑ FAX
❑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
❑ Additional Deliverables:

Report to: (if different than Project Manager)
Peter.Zaffram@inventumeng.com
Todd.Waldrop@inventumeng.com

Billing Information

☒ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY		

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ❑

ANALYSIS: TO-15; TO-15 SIM; APH; Fixed Gases; Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
14072-01	AreaC-01-03162023	3/16/23	0825	1625	-30.97	-0.10	AA	PB	1L	2031	01126	X	X				
-02	AreaC-02-03162023	"	0830	1630	-30.38	-6.71	AA	PB	1L	247	0846	X	X				
-03	AreaC-03A-03162023	"	0835	1635	-30.07	-3.91	AA	PB	1L	2362	01006	X	X				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] 1300	3/17/2023	[signature] AAL	3/17/23 @ 13:00
[signature] AAL	3/17/2023 @ 1300	[signature]	3/18/23 0030
[signature]	3/18/23 [illegible]	[signature]	3/18/23 0600
R. Mendez	3/18/23 0730	[signature]	3/18/23 07:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

Attachment C2 – Data Usability Summary Report

Data Usability Summary Report

SDG L2314072

Prepared for:
Inventum Engineering
481 Carlisle Drive, Suite 202
Herndon, VA 20170

Prepared by:
Validata, LLC
3346 NE 178th St.
Lake Forest Park, Washington 98155

PROJECT NARRATIVE

Data Validation

This report summarizes the results of the summary level II validation performed on samples for the Buffalo Color Area C project. A complete list of samples is provided in the Sample Index below. The samples were analyzed by Alpha Analytical, Mansfield, Massachussetts.

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *USEPA National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 540-R-20-005 November 2020) and *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition.* (EPA 625-R-96-010b January 1999).

A summary of the field duplicate results and precision is included in Appendix A. A summary of the data qualifiers used in validation are included in Appendix B. All validation worksheets and marked-up results (Form 1s) are provided in Appendix C.

SAMPLE INDEX

Field Sample	Laboratory Sample
Area C-01-03162023	L2314072-01
Area C-02-03162023	L2314072-02
Area C-03-03162023	L2314072-03

Chain-of-Custody Documentation

The chain-of-custody for was complete with no problems noted.

Data Package Completeness

The laboratory submitted all required deliverables for a level II review.

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below as applicable to the analytical method.

Sample Receipt, Preservation, and Holding Times	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
Laboratory Blanks	Laboratory/Field Duplicates
Field Blanks	Target Analyte List
Surrogate/Internal Compounds	Reporting Limits
Laboratory Control Samples (LCS)	Reported Results

Major Deficiencies

No major deficiencies were noted.

Minor Deficiencies and Completeness

Minor deficiencies identified during validation are summarized per analytical method as follows:

Volatile Organic Compounds TO-15/TO-15SIM

No qualification of the data was made.

Data usability is the number of usable (non-rejected) sample results divided by the total number of sample results for each type of analysis times 100. Data usability has been determined to be 100%.

Field Blanks

There were no field blank samples collected for the dataset.

Field Duplicates

There were no field duplicates collected for the dataset.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical methods. Internal standard recovery values were in limits. The method blank did not contain target compounds. The holding times were met. Air canister certification results were acceptable. All data are acceptable for use as reported and/or qualified.

APPENDIX A
FIELD DUPLICATE SUMMARY

There were no field duplicates collected for this dataset.

Field Duplicate Criteria: a control limit of 20% for waters, 35% for solids for the Relative Percent Difference (RPD) if results are >5x the Method Reporting limit (MRL). If <MRL, a control limit of 1RL for water and 2RL for solids between the values was used. There are no data qualification requirements for field duplicate results that exceed the control limits. The field duplicates provide information for the data user.

APPENDIX B
DATA QUALIFIER DEFINITIONS
REASON CODES

DATA VALIDATION QUALIFIER CODES
Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Secondary Qualifiers

Qualifier	Definition
2SH	Second source calibration verification standard greater than the upper control limit
2SL	Second source calibration verification standard less than the lower control limit
ABH	Ambient blank concentration greater than the RL
ABL	Ambient blank concentration less than the RL
BKD	The result is qualified because the DDT and/or Endrin breakdown was greater than 20%
CBKD	The result is qualified because the combined DDT/Endrin breakdown is greater than 30%
CCBH	Continuing calibration blank concentration greater than the RL
CCBL	Continuing calibration blank concentration less than RL
CCC	CCC Failure
CCRRF	Continuing calibration relative response factor below the LCL
CCVF	Continuing Calibration not analyzed at the required frequency
CCVH	Continuing calibration recovery greater than upper control limit
CCVL	Continuing calibration recovery less than lower control limit
CF	Confirmation result

Secondary Qualifiers

Qualifier	Definition
CFP	Confirmation precision exceeded
CO	Compounds were reported combined on one column
DL	Secondary dilution
EBH	Equipment blank concentration greater than the RL
EBL	Equipment blank concentration less than the RL
EMPC	Estimated Maximum Possible Concentration Reported
FBH	Field blank concentration greater than the RL
FBL	Field blank concentration less than the RL
FD	Field duplicate exceeds RPD criteria
GPC	The results are qualified due to GPC calibration deficiencies.
HTA	Analytical Holding Time exceeded
HTP	Preparation Holding Time exceeded
IB	Result between the MDL and RL
ICBH	Initial calibration blank concentration greater than the RL
ICBL	Initial calibration blank concentration less than RL
ICR2	Initial calibration exceeded the R2 for first order regression
ICRR	Exceeds RSD criteria and initial calibration exceeded the R2 for first order regression
ICRRF	Initial calibration relative response factor below the LCL
ICRSD	Initial calibration RSD exceeded
ICSP	Single Point Initial Calibration used for Quantitation
ICVSH	Initial calibration verification recovery greater than upper control limit
ICVSL	Initial calibration verification recovery less than lower control limit
ISH	Internal standard response exceeded the UCL criteria
ISL	Internal standard response exceeded the LCL criteria
LBH	Laboratory blank contamination greater than the RL
LBL	Laboratory blank contamination less than the RL
LCSDH	LCSD recovery greater than criteria
LCSDL	LCSD recovery less than the criteria
LCSH	LCS recovery greater than criteria
LCSL	LCS recovery less than the criteria

Secondary Qualifiers

Qualifier	Definition
LCSP	LCS/LCSD RPD criteria exceeded
LDP	Laboratory Duplicate Precision out
LR	Linear range exceeded. Concentration above linear range
MSA	Quantitated by the method of standard additions
MSALL	Global matrix spike flagging
MSAR2	method of standard additions R2 out
MSDH	Matrix spike duplicate recovery criteria greater than the upper limit
MSDL	Matrix spike duplicate recovery criteria less than the lower limit
MSDP	Matrix Spike Duplicate RPD criteria exceedances
MSH	Matrix spike recovery criteria greater than the upper limit
MSL	Matrix spike recovery criteria less than the lower limit
NMS	Not Site-specific Matrix Spike
PH	Sample pH out. Not properly preserved
PRM	Result differs from Preliminary Result
PSH	Post spike recovery criteria greater than the upper limit
PSL	Post spike recovery criteria less than the lower limit
RA	Sample was reanalyzed
RE	Sample was re-extracted and reanalyzed
RT	Result is outside the laboratory determined retention time window
SCRN	Screening method and/or data
SDIL	Serial Dilution %D exceeds the upper control limit
SPCC	SPCC Failure
SSH	Surrogate recovery greater than upper limit
SSL	Surrogate recovery less than lower limit
SSR	Surrogate spike recovery <10%
TBH	Trip blank concentration greater than the RL
TBL	Trip blank concentration less than the RL
TD	Total Concentration < Dissolved Concentration
TEMP	Cooler temperature out upon arrival
TIC	Tentatively identified compound

Secondary Qualifiers

Qualifier	Definition
TN	GC/MS tune does not meet criteria
XCC	No Continuing Calibration analyzed in the analytical batch
X-DL	Data not used due to dilution; another value is more apropriate or data was not requested
XIC	No initial calibration analyzed in the analytical batch
XICVS	Initial calibration verification standard was not analyzed
XLCS	No LCS in the analytical batch
XLD	Laboratory Duplicate not reported
XMS	Matrix Spike not reported
XMSD	Matrix Spike Duplicate not reported
X-RE	Data not used due to reanalysis; another value is more apropriate or data was not requested

APPENDIX C
DATA VALIDATION CHECKLISTS AND RESULT FORMS

Downtown Buffalo Area C

VALIDATION WORKSHEET

Method: TO-15/SimAir

SDG: L2314072

Date Reviewed: 6 26 23

Reviewer: C Jensen

The following data validation areas were reviewed:

Sample Identification / Validation Criteria	1 Area C-01-03162023	2 Area C-02-03162023	3 Area C-03-03162023	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Completeness of Analyses	A →																			
Holding Times	A →																			
Initial Calibration	not available																			
Continuing Calibration	not available																			
Method Blanks	A →																			
LCS	A →																			
Surrogate %R or duplicate RPD	internal standards - ok.																			
MS/MSD: Canister	A →																			
Reporting Limits	A →																			
Completeness of Analyte List	A	A	A																	
Field Duplicate Pair : NA																				
Equip /Field Blank NA																				

Spl. 3.16.23 } 30d.
rec 3 29 23 } ok

Internals - ok.

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 20:20
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.521	0.200	--	2.58	0.989	--		1
Chloromethane	0.448	0.200	--	0.925	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	445	5.00	--	838	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.5	1.00	--	62.9	2.38	--		1
Trichlorofluoromethane	0.403	0.200	--	2.26	1.12	--		1
Isopropanol	0.951	0.500	--	2.34	1.23	--		1
Tertiary butyl Alcohol	1.39	0.500	--	4.21	1.52	--		1
Methylene chloride	13.6	0.500	--	47.2	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.71	0.500	--	7.99	1.47	--		1
Ethyl Acetate	1.44	0.500	--	5.19	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.66	0.500	--	10.8	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.543	0.200	--	1.91	0.705	--		1
Benzene	0.408	0.200	--	1.30	0.639	--		1
Cyclohexane	0.567	0.200	--	1.95	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.512	0.200	--	2.10	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.04	0.200	--	3.92	0.754	--		1
2-Hexanone	0.211	0.200	--	0.865	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.65	0.200	--	7.17	0.869	--		1
p/m-Xylene	5.19	0.400	--	22.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.06	0.200	--	4.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-01
Client ID: AREA C-01-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:25
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 20:20
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.181	0.020	--	0.988	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	15.8	0.020	--	107	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 20:59
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--		1
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	406	5.00	--	765	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.4	1.00	--	62.7	2.38	--		1
Trichlorofluoromethane	0.403	0.200	--	2.26	1.12	--		1
Isopropanol	0.875	0.500	--	2.15	1.23	--		1
Tertiary butyl Alcohol	1.46	0.500	--	4.43	1.52	--		1
Methylene chloride	13.2	0.500	--	45.9	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.41	0.500	--	10.1	1.47	--		1
Ethyl Acetate	1.80	0.500	--	6.49	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.21	0.500	--	9.47	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.542	0.200	--	1.91	0.705	--		1
Benzene	0.404	0.200	--	1.29	0.639	--		1
Cyclohexane	0.519	0.200	--	1.79	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.505	0.200	--	2.07	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.17	0.200	--	4.41	0.754	--		1
2-Hexanone	0.274	0.200	--	1.12	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.67	0.200	--	7.25	0.869	--		1
p/m-Xylene	5.41	0.400	--	23.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.07	0.200	--	4.65	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-02
Client ID: AREA C-02-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:30
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 20:59
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.213	0.020	--	1.16	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	13.0	0.020	--	88.2	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/23 21:39
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--		1
Chloromethane	0.558	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.83	1.00	--	4.35	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: BUFFALO COLOR AREA C
Project Number: AREA C - LEE ST.

Lab Number: L2314072
Report Date: 03/30/23

SAMPLE RESULTS

Lab ID: L2314072-03
Client ID: AREA C-03-03162023
Sample Location: 140 LEE ST.

Date Collected: 03/16/23 16:35
Date Received: 03/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/23 21:39
Analyst: RAY

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

ALPHA

AIR ANALYSIS

CHAIN OF CUSTODY

Page 1 of 1

Date Rec'd in Lab: 3/18/23

ALPHA Job #: L2314072

320 Forbes Blvd Mansfield MA 02048
TEL 508-822-9300 FAX 508-822-3288

Client Information

Client: INVENTUM ENG.
Address: 441 Carlisle Drive HERNDON VA Suite C.
Phone: 716-553-5129
Fax:
Email: Peter.Zaffram@inventumeng.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Buffalo Color area C
Project Location: 140 Lee St.
Project #: Area C - Lee St.
Project Manager: Todd Waldrop
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker
(Default based on Regulatory Criteria Indicated)
Other Formats
☒ EMAIL (standard pdf report)
☐ Additional Deliverables

Report to (if different than Project Manager):
Peter.Zaffram@inventumeng.com
Todd.Waldrop@inventumeng.com

Billing Information

☒ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed: NY Program: Res / Comm:

Other Project Specific Requirements/Comments

Project-Specific Target Compound List ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans	Sample Comments (i.e. PID)
14072-01	AreaC-01-03162023	3/16/23	0825	1625	-30.97	-0.10	AA	PB	1L	2031	01136	X	X				
-02	AreaC-02-03162023	"	0830	1630	-30.38	-6.71	AA	PB	1L	247	0846	X	X				
-03	AreaC-03A-03162023	"	0835	1635	-30.07	-3.91	AA	PB	1L	2362	01006	X	X				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By	Date/Time	Received By	Date/Time
[signature] 1300	3/17/2023	[signature] AAL	3/17/23 @ 13:00
[signature] AAL	3/17/2023 @ 1300	[signature]	3/18/23 00:30
R. Mendez	3/18/23	[signature]	3/18/23 0630
	3/18/23 0730	[signature]	3/18/23 07:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

Attachment D – Post-Remediation Soil Concentrations

LEGEND:

TB-C03 RIFS Test Boring Location

3'-4'
Mercury 3.1 J

Soil Results Exceeding SCOs (mg/kg)
3'-4' Sample Depth Interval
J indicates Estimated Value

50 0 50
SCALE: 1"=50'

Area-C

TB-C01
Surface
Arsenic	25.2
Benzo(a)anthracene	10
Benzo(a)pyrene	8.4
Benzo(b)fluoranthene	11
Dibenzo(a,h)anthracene	1.3 J

3'-4'
Arsenic	239
Mercury	4.3
Benzo(a)pyrene	2.6

TB-C02

TB-C03
Surface
Arsenic	18.6
Mercury	4.4
Benzo(a)pyrene	2.2 J

TB-C04
Surface
Benzo(a)pyrene	2.2 J

3'-4'
Arsenic	50.2
Copper	306
Benzo(a)pyrene	1.1

TB-C04

TB-C05
1'-2'
Barium	2320

TB-C06

TB-C08
Surface
Mercury	7.2 J

5'-6'
Mercury	6.2 J

TB-C09
3'-4'
Arsenic	57.3
Mercury	8.5

TB-C10
Surface
Chromium (III)	3420
Benzo(a)pyrene	2.2 J

3'-4'
Arsenic	18.5 J
Mercury	6.3

TB-C12
Surface
Arsenic	16.5
Mercury	10.4
Benzo(a)anthracene	7.7 J
Benzo(a)pyrene	5.8 J
Benzo(b)fluoranthene	12
Dibenzo(a,h)anthracene	1.6 J

3'-4'
Arsenic	35.6
Copper	299
Lead	1390 J
Mercury	60.8

TB-C13
Surface
Mercury	3.1

3'-4'
Arsenic	21.2

C1-RS2
8'-11'
Arsenic	22.1

C1-RS3-0912
C1-RS2-0811
C1-RB1-1213
C1-RS4-0507
C1-RS1-0701

Excavation Area C1
Area = 3,990 sf
Depth = Top of Soft Gray Clay (Approx 13 ft)

C2-RS3-0911
C2-RS4-0607
C2-RS11-0810
C2-RS1-0911
C2-RB1-1314
C2-RS10-0911
C2-RB4-1213
C2-RS2-1012
C2-RB2-1314
C2-RS9-0608
C2-RB3-1213
C2-RS5-0911
C2-RS7-0911
C2-RS8-0911
C2-RS6-0810

Excavation Area C2
Area = 25,592 sf
Depth = Top of Soft Gray Clay (Approx 13 ft)

SOUTH BUFFALO DEVELOPMENT, LLC BUFFALO, NEW YORK Project No.: 3410090701	MACTEC Engineering & Consulting Inc. 800 North Bell Avenue, Suite 200 Pittsburgh, PA 15106	POST-REMEDIAL ACTION SOIL CONCENTRATIONS FIGURE: 12	12

P:\PROJECTS\South Buffalo Development\3410090701\CADD\FINAL\Site Management Plan Figures\Figure 12 - Post-Remedial Action Soil Concentrations.dwg Mon, 20 Dec 2010 - 4:44pm esweiler

Table 1
Area C Site Management Plan
Post-Remedial Action Soils Exceeding Applicable SCOs
Former Buffalo Color Facility, Buffalo, NY

			Area	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C
			Location	TB-C01	TB-C01	TB-C02	TB-C02	TB-C03	TB-C03	TB-C04	TB-C04	TB-C05	TB-C05	TB-C06	TB-C06	TB-C08	TB-C08	TB-C09	TB-C09	TB-C10	TB-C10	TB-C12	TB-C12	TB-C13	TB-C13
			Sample Date	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/09/07	01/09/07	01/09/07	01/09/07	01/09/07	01/11/07	01/11/07	01/09/07	01/09/07	01/11/07	01/11/07	01/08/07	01/08/07	01/08/07	01/08/07
Parameter	Units	Industrial	Sample ID Commercial	TB-C01-0304	TB-C01-SURFACE	TB-C02-0304	TB-C02-SURFACE	TB-C03-0304	TB-C03-SURFACE	TB-C04-SURFACE	TB-C04-0304	TB-C05-0102	TB-C05-SURFACE	TB-C06-0304	TB-C06-SURFACE	TB-C08-0506	TB-C08-SURFACE	TB-C09-0304	TB-C09-SURFACE	TB-C10-0304	TB-C10-SURFACE	TB-C12-0304	TB-C12-SURFACE	TB-C13-0304	TB-C13-SURFACE
METALS																									
CYANIDE	MG/KG	10,000	27	1.1 UJ	1 UJ	1 UJ	1.1 UJ	0.94 UJ	0.68 UJ	2.8 J	1.2 UJ	1.3 UJ	1 UJ	1.2 UJ	1 UJ	1.1 U	0.81 U	1.1 UJ	1 UJ	0.89 UJ	0.91 U	1 U	10.7 J	0.71 UJ	0.84 UJ
ALUMINUM	MG/KG			6840 J	4910 J	1960 J	6240 J	1630 J	4370 J	2370 J	1430 J	4710 J	4170 J	4030 J	4440 J	12900 J	5250 J	4110 J	5800 J	3100 J	4610 J	6310 J	4260 J	436 J	3370 J
ANTIMONY	MG/KG			18.9 R	16.7 R	16.9 R	17.6 R	17.8 R	15.5 R	16.1 R	20.4 UJ	18.5 UJ	17.8 UJ	18.6 UJ	16 UJ	19.2 R	15.3 R	19.6 UJ	16.9 UJ	19.5 UJ	16.1 R	18 R	32.7 J	16.6 R	15.6 R
ARSENIC	MG/KG	16	16	239	25.2	15.3	6.7	9.3	18.6	5.7	50.2	12.5	5.4	4.6	5.6	10.7 J	11.5 J	57.3	8.9	18.5 J	15.3 J	35.6	16.5	21.2	7.9
BARIUM	MG/KG	10,000	400	75.3 J	100 J	21.5 J	25.2 J	35.7 J	79.1 J	18.9 J	50.5	2320	20.9	57.1	22	80.6 J	94.4 J	98.6	56.9	51.3 J	60.5 J	152 J	86.3 J	21.3 J	43 J
BERYLLIUM	MG/KG	2,700	590	0.58 J	0.78 J	0.34 J	0.4 J	0.4 J	0.71 J	0.33 J	0.27 U	0.57	0.26	0.5	0.28	0.64	0.27	0.57	0.31	0.38	0.34	0.63 J	0.56 J	0.36 J	0.32 J
CADMIUM	MG/KG	60	9.3	0.25 UJ	0.59 J	0.22 UJ	0.68 J	0.28 J	0.7 J	0.31 J	0.27 U	0.25 U	0.31	0.25 U	0.25	0.89 J	0.23 J	2.8	0.46	1.6 J	0.39 J	1.8 J	0.91 J	0.22 UJ	0.29 J
CALCIUM	MG/KG			3740	164000	4580	29900	7460	82100	265000	1440	14400	36600	8810	27800	39300	87500	10200	86600	22200 J	116000	14200	48000	515	111000
CHROMIUM	MG/KG	6,800	1,500	217	5	12.1	2.5	67	8.7	2.8	8.5	9.4	8.2	7.5	25.9	13 J	16	8.7	16.2	21.6 J	3420	94.1	208	3.1	31.1
COBALT	MG/KG			6.8	4.2	4.2	7	1.7	4.4	1.6	5.3	3.4	5	5.4	5.4	9.8 J	4.7 J	9.2	4.2	4.8	4.1 J	6.6	6.5	0.55 U	4.3
COPPER	MG/KG	10,000	270	121	38.7	13.3	38.2	10.2	69.3	14.6	306	19.4	24.7	50.6	28	53.4 J	30.8 J	54.2	62.4	66.6 J	75.8 J	299	149	7.9	29.4
IRON	MG/KG			23500	38000	11200	17000	3960	25600	6680	79000	10200	11700	13300	12700	27800 J	17500 J	19100	9590	14000	12400 J	30700	45600	24000	14900
LEAD	MG/KG	3,900	1000	300 J	72.7 J	12.7 J	17.6 J	25 J	188 J	27.8 J	156	32.8	13	35.9	14.9	447 J	327 J	113	11.9	180	187 J	1390 J	262 J	8.3 J	74.5 J
MAGNESIUM	MG/KG			1880	11400	1210	6570	436	9440	6960	285 J	1100 J	4780 J	1010 J	4750 J	13100	7900	1360 J	4820 J	1580 J	6250	2000	6270	59.4	48300
MANGANESE	MG/KG	10,000	10000	113	5370	123	303	47.3	980	190	38.4	70.6	245	185	275	380	503	257	444	115 J	364	379	663	2.6	859
MERCURY	MG/KG	5.7	2.8	4.3	0.63	0.34	0.06	0.29	4.4	0.62	0.38	0.84	0.2	1.2	0.28	6.2 J	7.2 J	8.5	0.17	6.3	2.1 J	60.8	10.4	0.19	3.1
NICKEL	MG/KG	10,000	310	18.1	40.7	13.4	30.5	5.8	24.7	6.5	26.1	9.9	21.9	11	19.4	30.3 J	12.5 J	17.9	20.1	12.2	13.3 J	25.4	59.2	1.6	40.1
POTASSIUM	MG/KG			694	794	496	967	260	730	384	735	518	799	368	782	2170 J	1290 J	435	363	456 J	914 J	468	691	460	755
SELENIUM	MG/KG	6,800	1500	5 U	4.5 U	4.5 U	4.7 U	4.7 U	4.3 U	4.3 U	5.4 U	4.9 U	4.7 U	5 U	4.3 U	5.1 UJ	4.1 U	5 U	4.5 U	5.2 UJ	4.3 U	4.8 U	5.2 U	4.2 U	4.2 U
SILVER	MG/KG	6,800	1500	0.63 U	0.56 U	0.56 U	0.59 U	0.59 U	0.52 U	0.54 U	0.91	0.62 U	0.59 U	0.62 U	0.53 U	0.64 U	0.51 U	0.65 U	0.56 U	0.65 U	0.54 U	5.2	0.65 U	0.55 U	0.52 U
SODIUM	MG/KG			489 J	673 J	202 J	165 UJ	166 UJ	354 J	209 J	235	172 U	166 U	174 U	149 U	3010 J	1840 J	335	199	197	519 J	179 J	181 UJ	1150 J	192 J
THALLIUM	MG/KG			7.6 UJ	6.7 UJ	6.7 UJ	7.1 UJ	7.1 UJ	6.2 UJ	6.4 UJ	8.1 U	7.4 U	7.1 U	7.4 U	6.4 U	7.7 UJ	6.1 UJ	7.8 U	6.7 U	7.8 UJ	6.5 UJ	7.2 UJ	7.7 UJ	6.6 UJ	6.2 UJ
VANADIUM	MG/KG			14.6	148	8.7	14.8	6.3	43	7.9	3.6	12.3	18.6	11.4	13.2	22.8 J	15.3 J	13.3	16.2	13.2 J	15.5 J	261	47.9	15.6	110
ZINC	MG/KG	10,000	10000	150 R	121 R	40.6 R	125 R	72.8 R	183 R	71 R	156	61.4	75.2	143	84.3	237 J	82.5 J	147	45.2	151	147 J	994 R	250 R	3.2 R	73.8 R
SVOCS																									
1-METHYL-2,4-DINITROBENZENE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2,2'-DICHLORODIISOPROPYLETHER	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	MG/KG			4.9 U	18 U	0.92 U	0.91 U	9.1 U	18 U	8.4 U	1.1 U	5.1 U	0.92 U	10 U	0.84 U	0.96 U	84 U	1 U	0.89 U	1 U	8.6 U	4.7 U	20 U	0.91 U	4.2 U
2,4,6-TRICHOLORPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2,4-DIMETHYLPHENOL	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2,4-DINITROPHENOL	MG/KG			9.8 UJ	36 UJ	1.8 U	1.8 UJ	18 UJ	36 UJ	17 UJ	2.2 U	10 U	1.8 U	20 U	1.7 U	1.9 U	170 U	2 U	1.8 U	2.1 U	17 U	9.4 U	41 U	1.8 UJ	8.5 UJ
2,4-DINITROTOLUENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2-CHLORONAPHTHALENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2-METHYLNAPHTHALENE	MG/KG			0.14 J	0.81 J	1.1	0.38 U	0.36 J	0.67 J	3.5 U	0.11 J	0.17 J	0.38 U	4.1 U	0.028 J	0.4 U	34 U	0.35 J	0.37 U	0.039 J	3.6 U	0.11 J	8.4 U	2.8	0.12 J
2-METHYLPHENOL	MG/KG	1,000	500	2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
2-NITROANILINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	MG/KG			9.8 U	36 U	1.8 U	1.8 U	18 U	36 U	17 U	2.2 U	10 U	1.8 U	20 U	1.7 U	1.9 U	170 U	2 U	1.8 U	2.1 U	17 U	9.4 U	41 U	1.8 U	8.5 U
3-METHYLPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	MG/KG			9.8 U	36 U	1.8 U	1.8 U	18 U	36 U	17 U	2.2 U	10 U	1.8 U	20 U	1.7 U	1.9 U	170 U	2 U	1.8 U	2.1 U	17 U	9.4 U	41 U	1.8 U	8.5 U
4,6-DINITRO-2-METHLYPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENOL PHENYL ETHER	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
4-CHLOROANILINE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
4-CHLOROPHENYL PHENYL ETHER	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	MG/KG	1,000	500	2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
4-NIRTOANILINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	MG/KG	1,000	500	0.54 J	0.51 J	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.021 J	0.046 J	0.013 J	4.1 U	0.02 J	0.4 U	34 U	0.037 J	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
ACENAPHTHYLENE	MG/KG	1,000	500	2 U	2.3 J	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.022 J	2.1 U	0.012 J	4.1 U	0.008 J	0.4 U	34 U	0.36 J	0.37 U	0.17 J	3.6 U	1.9 U	8.4 U	0.058 J	1.8 U
ACETOPHENONE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
ANILINE	MG/KG	1,000		2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.16 J	2.1 U	0.38 U	4.1 U	0.81 J	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
ANTHRACENE	MG/KG	1,000	500	1.4 J	3.2 J	0.38 U	0.041 J	3.8 U	0.48 J	0.47 J	0.21 J	0.11 J	0.028 J	4.1 U	0.032 J	0.02 J	34 U	0.32 J	0.009 J	0.1 J	0.44 J	1.9 U	1 J	0.052 J	0.19 J
BENZIDINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	MG/KG	11	5.6	3.1	10	0.075 J	0.24 J	3.8 U	2.5 J	2.5 J	1.4	0.55 J	0.12 J	4.1 U	0.14 J	0.11 J	1.9 J	0.7	0.067 J	0.43	1.9 J	0.37 J	7.7 J	0.24 J	0.79 J
BENZO(A)PYRENE	MG/KG	1.1	1	2.8	8.4	0.035 J	0.25 J	3.8 U	2.2 J	2.2 J	1.1	0.59 J	0.13 J	4.1 U	0.14 J	0.12 J	34 U	0.73	0.08 J	0.58	2.2 J	0.49 J	5.8 J	0.11 J	0.75 J
BENZO(B)FLUORANTHENE	MG/KG	11	5.6	3.4	11	0.098 J	0.54	3.8 U	4.3 J	3.1 J	1.5	0.7 J	0.19 J	4.1 U	0.21 J	0.19 J	34 U	0.92	0.13 J	1.1	3.8	1 J	12	0.29 J	1 J
BENZO(G,H,I)PERYLENE	MG/KG	1,000	500	1.4 J	4.8 J	0.04 J	0.18 J	3.8 U	1.2 J	1.2 J	0.88	0.45 J	0.12 J	4.1 U	0.12 J	0.055 J	34 U	0.65	0.11 J	0.41 J	1.3 J	0.54 J	6.2 J	0.073 J	0.48 J
BENZO(K)FLUORANTHENE	MG/KG	110	56	1 J	3.7 J	0.38 U	0.38 U	3.8 U	7.4 U	1 J	0.63	0.33 J	0.073 J	4.1 U	0.056 J	0.061 J	34 U	0.36 J	0.052 J	0.42 U	1.3 J	1.9 U	4.6 J	0.37 U	0.34 J
BENZOIC ACID	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIPHENYL	MG/KG			2 U	7.3 U	0.12 J	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.053 J	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.41	1.8 U
BIS(2-CHLOROETHOXY)METHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG			2 U	7.3 U	0.26 J	0.32 J	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.18 J	4.1 U	0.41	0.077 J	34 U	0.14 J	0.073 J	0.16 J	3.6 U	0.33 J	8.4 U	0.32 J	0.46 J
BUTYLBENZYL PHTHALATE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
CAPROLACTAM	MG/KG			2 UJ	7.3 UJ	0.38 UJ	0.38 UJ	3.8 UJ	7.4 UJ	3.5 UJ	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 UJ	34 UJ	0.42 U	0.37 U	0.42 UJ	3.6 UJ	1.9 UJ	8.4 UJ	0.37 UJ	1.8 UJ
CARBAZOLE	MG/KG			0.47 J	0.7 J	0.031 J	0.033 J	3.8 U	7.4 U	0.21 J	0.062 J	2.1 U	0.02 J	4.1 U	0.026 U	0.4 U	34 U	0.099 J	0.011 J	0.042 J	0.32 J	1.9 U	1.1 J	0.37 U	0.11 J
CHRYSENE	MG/KG	110	56	3	8.4	0.14 J	0.29 J	3.8 U	2.5 J	2.4 J	1.1	0.5 J	0.12 J	4.1 U	0.14 J	0.11 J	34 U	0.68	0.084 J	0.46	2.1 J	0.37 J	8.3 J	0.4	0.78 J
DI-N-BUTYL PHTHALATE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
DI-N-OCTYL PHTHALATE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.011 J	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.01 J	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
DIBENZO(A,H)ANTHRACENE	MG/KG	1.1	0.56	0.36 J	1.8 J	0.02 J	0.038 J	3.8 U	0.39 J	0.38 J	0.22 J	0.14 J	0.031 J	4.1 U	0.03 J	0.4 U	34 U	0.19 J	0.023 J	0.12 J	0.34 J	0.14 J	1.6 J	0.028 J	0.13 J
DIBENZOFURAN	MG/KG	1,000	350	0.36 J	0.65 J	0.24 J	0.38 U	3.8 U	7.4 U	3.5 U	0.052 J	0.054 J	0.008 J	4.1 U	0.017 J	0.4 U	34 U	0.18 J	0.37 U	0.022 J	3.6 U	1.9 U	8.4 U	1	1.8 U
DIETHYL PHTHALATE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	0.76 J	8.4 U	0.37 U	1.8 U
DIMETHYL PHTHALATE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
FLUORANTHENE	MG/KG	1,000	500	7.6	23	0.11 J	0.54	3.8 U	4.5 J	4.9	2.5	0.97 J	0.27 J	4.1 U	0.3 J	0.16 J	3.6 J	1.2	0.15 J	0.64	5.1	0.54 J	20	0.46	1.7 J
FLUORENE	MG/KG	1,000	500	0.58 J	1.1 J	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.033 J	2.1 U	0.019 J	4.1 U	0.02 J	0.4 U	34 U	0.24 J	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
HEXACHLOROBENZENE	MG/KG	12	6	2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
HEXACHLOROBUTADIENE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
HEXACHLOROCYCLOPENTADIENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	MG/KG	11	5.6	1.3 J	4.3 J	0.02 J	0.15 J	3.8 U	1.1 J	1.1 J	0.83	0.41 J	0.11 J	4.1 U	0.11 J	0.053 J	34 U	0.59	0.09 J	0.35 J	1.1 J	0.45 J	5.2 J	0.055 J	0.42 J
ISOPHORONE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSOI-N-PROPYLAMINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	MG/KG			2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
NAPHTHALENE	MG/KG	1,000	500	0.45 J	1.1 J	12	0.076 J	21	1.8 J	3.5 U	0.12 J	0.26 J	0.032 J	0.14 J	0.32 J	0.4 U	4.8 J	0.4 J	0.009 J	0.07 J	3.6 U	1 J	8.4 U	2.1	1.8 U
NITROBENZENE	MG/KG	455		2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.42 U	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
O-NITROANANILINE	MG/KG			9.8 U	36 U	1.8 U	1.8 U	18 U	36 U	17 U	2.2 U	10 U	1.8 U	20 U	1.7 U	1.9 U	170 U	2 U	1.8 U	2.1 U	17 U	9.4 U	41 U	1.8 U	8.5 U
PENTACHLOROPHENOL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	MG/KG	1,000	500	6.6	12	0.57	0.23 J	0.3 J	2.4 J	2.6 J	0.5	0.48 J	0.14 J	4.1 U	0.19 J	0.067 J	5.8 J	1.1	0.055 J	0.26 J	2.4 J	0.25 J	7.5 J	2.1	1 J
PHENOL	MG/KG	1,000	500	2 U	7.3 U	0.38 U	0.38 U	3.8 U	7.4 U	3.5 U	0.45 U	2.1 U	0.38 U	4.1 U	0.35 U	0.4 U	34 U	0.42 U	0.37 U	0.026 J	3.6 U	1.9 U	8.4 U	0.37 U	1.8 U
PYRENE	MG/KG	1,000	500	5.6	17	0.097 J	0.36 J	3.8 U	3.3 J	3.6	2	0.78 J	0.19 J	4.1 U	0.23 J	0.12 J	2.3 J	0.92	0.11 J	0.48	2.8 J	0.48 J	15	0.35 J	1.3 J

Created by: BCG
Checked by: NF

Table 1
Area C Site Management Plan
Post-Remedial Action Soils Exceeding Applicable SCOs
Former Buffalo Color Facility, Buffalo, NY

			Area	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C
			Location	TB-C01	TB-C01	TB-C02	TB-C02	TB-C03	TB-C03	TB-C04	TB-C04	TB-C05	TB-C05	TB-C06	TB-C06	TB-C08	TB-C08	TB-C09	TB-C09	TB-C10	TB-C10	TB-C12	TB-C12	TB-C13	TB-C13
			Sample Date	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/08/07	01/09/07	01/09/07	01/09/07	01/09/07	01/09/07	01/11/07	01/11/07	01/09/07	01/09/07	01/11/07	01/11/07	01/08/07	01/08/07	01/08/07	01/08/07
			Sample ID	TB-C01-0304	TB-C01-SURFACE	TB-C02-0304	TB-C02-SURFACE	TB-C03-0304	TB-C03-SURFACE	TB-C04-SURFACE	TB-C04-0304	TB-C05-0102	TB-C05-SURFACE	TB-C06-0304	TB-C06-SURFACE	TB-C08-0506	TB-C08-SURFACE	TB-C09-0304	TB-C09-SURFACE	TB-C10-0304	TB-C10-SURFACE	TB-C12-0304	TB-C12-SURFACE	TB-C13-0304	TB-C13-SURFACE
Parameter	**Units**	**Industrial**	**Commercial**																						
VOCS																									
1,1,1-TRICHLOROETHANE	MG/KG	1,000	500	0.006 U	0.006 U	0.004 J	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
1,1,2,2-TETRACHLOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	MG/KG			0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
1,1-DICHLOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	MG/KG			0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.003 J	0.005 J	0.002 J	0.005 J	0.006	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.12	0.005 U	0.008 U	0.004 U
1,2-DICHLOROBENZENE	MG/KG	1,000	500	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.002 J	0.002 J	0.008 U	0.004 U
1,2-DICHLOROETHANE	MG/KG	60	30	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
1,2-DICHLOROPROPANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	MG/KG	560	280	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
1,4-DICHLOROBENZENE	MG/KG	250	130	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.002 J	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
2-BUTANONE	MG/KG	1,000	500	0.028 U	0.03 U	0.037 U	0.023 U	0.04 U	0.032 U	0.023 U	0.026 U	0.04 U	0.022 U	0.03 U	0.021 U	0.025 U	0.009 J	0.038 U	0.03 U	0.036 U	0.01 J	0.027 U	0.027 U	0.038 U	0.02 U
2-CHLOROETHYL VINYL ETHER	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANON	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	MG/KG	1,000	500	0.028 U	0.03 U	0.022 J	0.023 U	0.04 U	0.032 U	0.023 U	0.026 U	0.04 U	0.022 U	0.03 U	0.021 U	0.025 U	0.05 U	0.022 J	0.03 U	0.03 J	0.089	0.018 J	0.027 U	0.038 U	0.02 U
BENZENE	MG/KG	89	44	0.005 J	0.004 J	0.003 J	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005	0.008 U	0.006 U	0.026	0.025	0.005 U	0.005 U	0.008 U	0.004 U
BROMODICHLOROMETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	MG/KG			0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.003 J	0.004 U	0.005 U	0.002 J	0.008 U	0.006 U	0.005 J	0.002 J	0.005 U	0.005 U	0.008 U	0.004 U
CARBON TETRACHLORIDE	MG/KG	44	22	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
CHLOROBENZENE	MG/KG	1,000	500	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.016	0.008 U	0.004 U	0.006 U	0.063	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.002 J	0.008	0.008 U	0.004 U
CHLORODIBROMOMETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	MG/KG	700	350	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
CHLOROMETHANE	MG/KG			0.011 U	0.012 U	0.015 U	0.009 U	0.016 U	0.013 U	0.009 U	0.01 U	0.016 U	0.009 U	0.012 U	0.008 U	0.01 U	0.01 U	0.015 U	0.012 U	0.015 U	0.01 U	0.011 U	0.011 U	0.015 U	0.008 U
CIS-1,2-DICHLOROETHENE	MG/KG	1,000	500	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
CIS-1,3-DICHLOROPROPENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CYCLOHEXANE	MG/KG			0.006 U	0.006 U	0.005 J	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.002 J	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.003 J	0.004 U
ETHYLBENZENE	MG/KG	780	390	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.002 J	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
ISOPROPYLBENZENE	MG/KG			0.006 UJ	0.006 UJ	0.007 UJ	0.004 UJ	0.008 UJ	0.006 UJ	0.005 UJ	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 UJ	0.005 UJ	0.008 UJ	0.004 UJ
METHYL ACETATE	MG/KG			0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
METHYLCYCLOHEXANE	MG/KG			0.006 U	0.006 U	0.006 J	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.002 J	0.008 U	0.006 U	0.001 J	0.001 J	0.005 U	0.005 U	0.004 J	0.004 U
METHYLENE CHLORIDE	MG/KG	1,000	500	0.007 UJ	0.006 UJ	0.007 UJ	0.005 UJ	0.008 UJ	0.006 UJ	0.006 UJ	0.008 U	0.013 U	0.008 U	0.01 U	0.008 U	0.006 UJ	0.006 UJ	0.012 U	0.01 U	0.013 U	0.006 UJ	0.006 UJ	0.006 UJ	0.008 UJ	0.006 UJ
STYRENE	MG/KG			0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
TETRACHLOROETHENE	MG/KG	300	150	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
TOLUENE	MG/KG	1,000	500	0.006 U	0.006 U	0.004 J	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.009	0.008 U	0.006 U	0.007 U	0.001 J	0.005 U	0.005 U	0.008 U	0.004 U
TRANS-1,2-DICHLOROETHENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	MG/KG	400	200	0.006 U	0.006 U	0.007 U	0.004 U	0.008 U	0.006 U	0.005 U	0.005 U	0.008 U	0.004 U	0.006 U	0.004 U	0.005 U	0.005 U	0.008 U	0.006 U	0.007 U	0.005 U	0.005 U	0.005 U	0.008 U	0.004 U
TRICHLOROFLUOROMETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	MG/KG	27	13	0.011 U	0.012 U	0.015 U	0.009 U	0.016 U	0.013 U	0.009 U	0.01 U	0.016 U	0.009 U	0.012 U	0.008 U	0.01 U	0.01 U	0.015 U	0.012 U	0.015 U	0.01 U	0.011 U	0.011 U	0.015 U	0.008 U
XYLENES, TOTAL	MG/KG	1,000	500	0.016 U	0.018 U	0.022 U	0.014 U	0.024 U	0.019 U	0.014 U	0.016 U	0.024 U	0.013 U	0.018 U	0.013 U	0.015 U	0.012 J	0.023 U	0.018 U	0.022 U	0.003 J	0.015 J	0.016 U	0.023 U	0.012 U

Table 1
Area C Site Management Plan
Post-Remedial Action Soils Exceeding Applicable SCOs
Former Buffalo Color Facility, Buffalo, NY

			Area	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C
			Location	C1-RB-1	C1-RS-1	C1-RS-2	C1-RS-3	C1-RS-4	C2-RB-1	C2-RB-2	C2-RB-3	C2-RB-4	C2-RS-1	C2-RS-2	C2-RS-3	C2-RS-4	C2-RS-5	C2-RS-6	C2-RS-7	C2-RS-8	C2-RS-9	C2-RS-10	C2-RS-11
			Sample Date	10/20/10	10/20/10	10/20/10	10/20/10	10/20/10	11/01/10	11/03/10	11/11/10	11/12/10	11/01/10	11/01/10	11/01/10	11/09/10	11/09/10	11/09/10	11/10/10	11/10/10	11/11/10	11/12/10	11/13/10
			Sample ID	C1-RB1-1213	C1-RS1-0709	C1-RS2-0811	C1-RS3-0912	C1-RS4-0507	C2-RB1-1314	C2-RB2-1213	C2-RB3-1213	C2-RB4-1213	C2-RS1-0911	C2-RS2-1012	C2-RS3-0911	C2-RS4-0607	C2-RS5-0911	C2-RS6-0810	C2-RS7-0911	C2-RS8-0911	C2-RS9-0608	C2-RS10-0911	C2-RS11-0810
Parameter	**Units**	**Industrial**	**Commercial**																				
METALS																							
CYANIDE	MG/KG	10,000	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM	MG/KG			15700	14600	16900	17800	17500	14600	16400	16300	13600	17100	19400	15800	15800	19000	16700	16900	15500	16700	16100	11900
ANTIMONY	MG/KG			4.78 UJ	5.05 UJ	5.32 UJ	5.53 UJ	6.95 UJ	4.38 U	4.51 U	4.01 U	4.09 U	4.37 U	7.13 U	7.13 U	5.06 U	6.26 U	7.04 U	6.28 U	4.01 U	5.08 U	5.59 U	6.85 U
ARSENIC	MG/KG	16	16	7.18	9.62	22.1	5.23	10.4	5.25	7.35	5.75	5.6	8.19	6.78	10.2	5.88	9.16	9.49	10.1	5.3	8.65	10.3	7.51
BARIUM	MG/KG	10,000	400	71.1	62.3	83.1	74.8	86.8	83.2	71.7	83.7	59.4	97.2	114	74.1	98.2	91.4	68.5	89.3	75.1	82.4	80.3	63.2
BERYLLIUM	MG/KG	2,700	590	0.735	0.618	0.919	0.781	0.887	0.676	0.765	0.747	0.634	0.775	0.893	0.735	0.671	0.863	0.818	0.822	0.707	0.756	0.773	0.628
CADMIUM	MG/KG	60	9.3	0.398 U	0.421 U	0.444 U	0.462 U	0.579 U	0.365 U	0.376 U	0.335 U	0.341 U	0.365 U	0.595 U	0.595 U	0.461	0.521 U	0.587 U	0.524 U	0.333 U	0.423 U	0.466 U	2.35
CALCIUM	MG/KG			47900	38700	37800	28300	26100	34800	12700	14700	32200	42900	33000	37700	82300	37800	37100	37200	42500	38800	37100	29600
CHROMIUM	MG/KG	6,800	1,500	20.9	19	21.6	22.8	22.7	18.9	21	21.3	18.2	21.1	24.4	20.4	18	23.1	21.2	21.7	19.8	20.6	20.9	14.4
COBALT	MG/KG			12.8	15.6	13.4	13	14.4	12.7	14.4	13.9	12	13.7	14.6	11.3	11	13.7	10.9	14.1	13.4	12.6	13.3	32.9
COPPER	MG/KG	10,000	270	30	20.9	37.3	26.2	40.1	27.8	28.9	30	28.4	30.4	28.2	29.2	25.5	29.9	27.8	33.3	26.6	28.4	31.6	67.6
IRON	MG/KG			27700	20000	31800	25600	31900	24900	27900	27600	23900	28300	29200	28300	22900	28900	28300	29900	22400	28300	28600	32600
LEAD	MG/KG	3,900	1000	12	9.71	23.3	11.9	16.9	13.2	13.3	12.5	11.1	10.6	11.3	10.8	11	11.5	12.3	12.4	11.4	13.1	14	9.81
MAGNESIUM	MG/KG			14400	13200	12100	12500	12400	13600	10900	11100	12600	12600	12300	13500	12200	13500	13200	11600	12800	12600	12300	11200
MANGANESE	MG/KG	10,000	10000	514	398	449	423	444	443	386	427	475	576	525	424	547	538	404	440	404	418	466	1050
MERCURY	MG/KG	5.7	2.8	0.0191 J	0.0206 J	0.625 J	0.0319 J	0.0362 J	0.0332	0.0144	0.0157	0.0166	0.0209	0.0296	0.0227	0.033	0.323	0.0323	0.014	0.0195	0.0224	0.0237	0.0166
NICKEL	MG/KG	10,000	310	33.2	32.4	36.4	33	38.1	32	35	34.8	30.9	37.1	37.5	32.9	29.2	38.4	33	36.6	31.7	33.8	35.8	57.8
POTASSIUM	MG/KG			3360	3210	3050	2890	3040	2840	3070	3040	2630	3390	4290	3190	2470	3700	2970	3040	2620	3030	2920	1790
SELENIUM	MG/KG	6,800	1500	0.398 U	0.421 U	0.444 U	0.462 U	0.579 U	0.365 U	0.376 U	0.335 U	0.341 U	0.365 U	0.595 U	0.595 U	0.422 U	0.521 U	0.587 U	0.517 U	0.333 U	0.423 U	0.466 U	0.57 U
SILVER	MG/KG	6,800	1500	0.798 U	0.841 U	0.886 U	0.922 U	1.16 U	0.729 U	0.753 U	0.669 U	0.681 U	0.729 U	1.19 U	1.19 U	0.842 U	1.04 U	1.17 U	1.05 U	0.668 U	0.845 U	0.932 U	1.14 U
SODIUM	MG/KG			838	1870	2270	1410	406	382	307	214	244	1470	2070	1190	438 J	562 J	511 J	669	266	368	482	409
THALLIUM	MG/KG			0.478 U	0.505 U	0.532 U	0.553 U	0.695 U	0.438 U	0.451 U	0.401 U	0.409 U	0.437 U	0.713 U	0.713 U	0.506 U	0.626 U	0.704 U	0.628 U	0.401 U	0.507 U	0.559 U	0.685 U
VANADIUM	MG/KG			29.4	27	36.9	31.1	35.6	28	31.6	31	26.2	30.9	35.8	30.5	27.6	34	31.7	31.9	27.3	29.8	30.4	21.9
ZINC	MG/KG	10,000	10000	76.8 J	95.7 J	81.8 J	78.1 J	103 J	73.1	81.1	81.9	70.8	75.9	86.8	77.3	64.2	84.7	79.4	81.7	79.2	77.1	84.5	523
SVOCS																							
1-METHYL-2,4-DINITROBENZENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-DICHLORODIISOPROPYLETHER	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2,4,5-TRICHLOROPHENOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
2,4,6-TRICHOLORPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2,4-DICHLOROPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2,4-DIMETHYLPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2,4-DINITROPHENOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
2,4-DINITROTOLUENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	29.1 J	0.345 U
2,6-DINITROPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2,6-DINITROTOLUENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	11.5 J	0.345 U
2-CHLORONAPHTHALENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2-CHLOROPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2-METHYLNAPHTHALENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2-METHYLPHENOL	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
2-NITROANILINE	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
2-NITROPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
3,3'-DICHLOROBENZIDINE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
3-METHYLPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
3-NITROANILINE	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
4,6-DINITRO-2-METHLYPHENOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
4-BROMOPHENOL PHENYL ETHER	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
4-CHLORO-3-METHYLPHENOL	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
4-CHLOROANILINE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
4-CHLOROPHENYL PHENYL ETHER	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
4-METHYLPHENOL	MG/KG	1,000	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NIRTOANILINE	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
4-NITROPHENOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
ACENAPHTHENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
ACENAPHTHYLENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
ACETOPHENONE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	MG/KG	1,000		0.371 U	36.4 U	0.351 U	0.354 U	0.182 J	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
ANTHRACENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZIDINE	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 UJ	0.95 U	0.939 U	0.926 UJ	4.37 UJ	17.6 UJ	0.875 UJ	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
BENZO(A)ANTHRACENE	MG/KG	11	5.6	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZO(A)PYRENE	MG/KG	1.1	1	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZO(B)FLUORANTHENE	MG/KG	11	5.6	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZO(G,H,I)PERYLENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZO(K)FLUORANTHENE	MG/KG	110	56	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BENZOIC ACID	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 UJ	0.95 U	0.939 U	0.926 UJ	4.37 UJ	17.6 UJ	0.875 UJ	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
BENZYL ALCOHOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
BIPHENYL	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BIS(2-CHLOROETHYL)ETHER	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
BUTYLBENZYL PHTHALATE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
CAPROLACTAM	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	MG/KG	110	56	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DI-N-BUTYL PHTHALATE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DI-N-OCTYL PHTHALATE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 UJ	0.38 U	0.376 U	0.371 UJ	1.75 UJ	7.05 UJ	0.35 UJ	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DIBENZO(A,H)ANTHRACENE	MG/KG	1.1	0.56	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DIBENZOFURAN	MG/KG	1,000	350	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DIETHYL PHTHALATE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
DIMETHYL PHTHALATE	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
FLUORANTHENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
FLUORENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
HEXACHLOROBENZENE	MG/KG	12	6	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
HEXACHLOROBUTADIENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
HEXACHLOROCYCLOPENTADIENE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
HEXACHLOROETHANE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
INDENO(1,2,3-CD)PYRENE	MG/KG	11	5.6	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
ISOPHORONE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
N-NITROSOI-N-PROPYLAMINE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
N-NITROSODIMETHYLAMINE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
N-NITROSODIPHENYLAMINE	MG/KG			0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
NAPHTHALENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
NITROBENZENE	MG/KG	455		0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
O-NITROANANILINE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	MG/KG			0.927 U	90.9 U	0.878 U	0.884 U	0.903 U	0.937 U	0.95 U	0.939 U	0.926 UJ	4.37 U	17.6 U	0.875 U	0.883 U	8.79 U	0.894 U	0.874 U	0.928 U	0.886 U	8.83 UJ	0.862 U
PHENANTHRENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
PHENOL	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
PYRENE	MG/KG	1,000	500	0.371 U	36.4 U	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	1.75 U	7.05 U	0.35 U	0.353 U	3.52 U	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U

Created by: BCG
Checked by: NF

Table 1
Area C Site Management Plan
Post-Remedial Action Soils Exceeding Applicable SCOs
Former Buffalo Color Facility, Buffalo, NY

			Area	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C	Area C
			Location	C1-RB-1	C1-RS-1	C1-RS-2	C1-RS-3	C1-RS-4	C2-RB-1	C2-RB-2	C2-RB-3	C2-RB-4	C2-RS-1	C2-RS-2	C2-RS-3	C2-RS-4	C2-RS-5	C2-RS-6	C2-RS-7	C2-RS-8	C2-RS-9	C2-RS-10	C2-RS-11
			Sample Date	10/20/10	10/20/10	10/20/10	10/20/10	10/20/10	11/01/10	11/03/10	11/11/10	11/12/10	11/01/10	11/01/10	11/01/10	11/09/10	11/09/10	11/09/10	11/10/10	11/10/10	11/11/10	11/12/10	11/13/10
			Sample ID	C1-RB1-1213	C1-RS1-0709	C1-RS2-0811	C1-RS3-0912	C1-RS4-0507	C2-RB1-1314	C2-RB2-1213	C2-RB3-1213	C2-RB4-1213	C2-RS1-0911	C2-RS2-1012	C2-RS3-0911	C2-RS4-0607	C2-RS5-0911	C2-RS6-0810	C2-RS7-0911	C2-RS8-0911	C2-RS9-0608	C2-RS10-0911	C2-RS11-0810
Parameter	**Units**	**Industrial**	**Commercial**																				
VOCS																							
1,1,1-TRICHLOROETHANE	MG/KG	1,000	500	4.66 UJ	0.971 U	0.00475 U	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,1,2,2-TETRACHLOROETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 UJ	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,1,2-TRICHLOROETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,1,2-TRICHLOROTRIFLUOROETHANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00532 J	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,1-DICHLOROETHENE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,2,4-TRICHLOROBENZENE	MG/KG			0.319 J	447	0.351 U	0.354 U	0.361 U	0.375 U	0.38 U	0.376 U	0.371 UJ	7.9	79.9	1.23	0.353 U	33	0.358 U	0.35 U	0.371 U	0.354 U	3.53 UJ	0.345 U
1,2-DICHLOROBENZENE	MG/KG	1,000	500	17.2	0.971 U	0.00475 U	0.00447 UJ	2.98 U	22.3	0.34	0.00495 U	0.00729 UJ	193	451	24.6	6.09	94.6	0.00492 U	1.49 U	2.37 U	0.936 U	0.175 J	0.00665
1,2-DICHLOROETHANE	MG/KG	60	30	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,2-DICHLOROPROPANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,3-DICHLOROBENZENE	MG/KG	560	280	4.66 U	0.611 J	0.00475 U	0.00447 UJ	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	1.54 J	3.82 J	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
1,4-DICHLOROBENZENE	MG/KG	250	130	4.66 U	0.835 J	0.00475 U	0.00447 UJ	2.98 U	6.88	0.25 U	0.00495 U	0.00729 UJ	50	127	8.21	2.96	22	0.00492 U	1.49 U	2.37 U	0.936 U	0.0412 J	0.00466 U
2-BUTANONE	MG/KG	1,000	500	23.3 UJ	4.86 UJ	0.0237 UJ	0.0224 UJ	14.9 UJ	4.44 UJ	1.25 U	0.0248 U	0.0364 UJ	10.3 UJ	22.4 UJ	5.48 UJ	9.07 U	9.88 U	0.0246 U	7.44 U	11.9 U	4.68 U	0.171 UJ	0.0233 U
2-CHLOROETHYL VINYL ETHER	MG/KG			23.3 UJ	4.86 U	0.0237 U	0.0224 U	14.9 UJ	4.44 U	1.25 U	0.0248 U	0.0364 UJ	10.3 U	22.4 U	5.48 U	9.07 U	9.88 U	0.0246 U	7.44 U	11.9 U	4.68 U	0.171 UJ	0.0233 U
2-HEXANON	MG/KG			11.7 UJ	2.43 U	0.0119 U	0.0112 UJ	7.46 UJ	2.22 U	0.626 U	0.0124 U	0.0182 UJ	5.17 U	11.2 U	2.74 U	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
4-METHYL-2-PENTANONE	MG/KG			11.7 UJ	2.43 U	0.0119 U	0.0112 UJ	7.46 UJ	2.22 U	0.626 U	0.0124 U	0.0182 UJ	5.17 U	11.2 U	2.74 U	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
ACETONE	MG/KG	1,000	500	23.3 UJ	4.86 UJ	0.0137 J	0.0164 J	14.9 UJ	4.44 UJ	1.25 U	0.0459	0.0364 UJ	10.3 UJ	22.4 UJ	5.48 UJ	9.07 U	9.88 U	0.0278	7.44 U	11.9 U	4.68 U	0.171 UJ	0.0669
BENZENE	MG/KG	89	44	4.66 UJ	0.971 U	0.00475 U	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.0442	0.00908 J	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	1.69 J	0.00466 U
BROMODICHLOROMETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
BROMOFORM	MG/KG			11.7 UJ	2.43 U	0.0119 U	0.0112 UJ	7.46 UJ	2.22 UJ	0.626 U	0.0124 U	0.0182 UJ	5.17 UJ	11.2 UJ	2.74 UJ	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
BROMOMETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CARBON DISULFIDE	MG/KG			4.66 UJ	0.971 U	0.00926	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CARBON TETRACHLORIDE	MG/KG	44	22	4.66 UJ	0.971 U	0.00475 U	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CHLOROBENZENE	MG/KG	1,000	500	5.88	3.23	0.00475 U	0.00574 J	5.27	45.9	10.1	0.00495 U	0.345 J	59	98.9	14.9	10.2	28.8	0.00492 U	15.3	3.49	6.91	2.78 J	0.00466 U
CHLORODIBROMOMETHANE	MG/KG			4.66 UJ	0.971 U	0.00475 U	0.00447 UJ	2.98 UJ	0.888 UJ	0.25 U	0.00495 U	0.00729 UJ	2.07 UJ	4.47 UJ	1.1 UJ	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CHLOROETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CHLOROFORM	MG/KG	700	350	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CHLOROMETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 UJ	0.25 U	0.00495 U	0.00729 UJ	2.07 UJ	4.47 UJ	1.1 UJ	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CIS-1,2-DICHLOROETHENE	MG/KG	1,000	500	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CIS-1,3-DICHLOROPROPENE	MG/KG			4.66 UJ	0.971 U	0.00475 U	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
CYCLOHEXANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	MG/KG	780	390	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.456 J	0.00466 U
ISOPROPYLBENZENE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL ACETATE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLCYCLOHEXANE	MG/KG			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	MG/KG	1,000	500	11.7 UJ	2.43 UJ	0.0119 UJ	0.0112 UJ	7.46 UJ	2.22 UJ	0.626 U	0.0124 U	0.0182 UJ	5.17 UJ	11.2 UJ	2.74 UJ	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
STYRENE	MG/KG			11.7 U	2.43 U	0.0119 U	0.0112 UJ	7.46 U	2.22 U	0.626 U	0.0124 U	0.0182 UJ	5.17 U	11.2 U	2.74 U	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
TETRACHLOROETHENE	MG/KG	300	150	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 UJ	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 UJ	1.1 UJ	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
TOLUENE	MG/KG	1,000	500	4.66 U	0.971 U	0.00475 U	0.00233 J	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.41 J	0.00466 U
TRANS-1,2-DICHLOROETHENE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
TRANS-1,3-DICHLOROPROPENE	MG/KG			4.66 UJ	0.971 U	0.00475 U	0.00447 U	2.98 UJ	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
TRICHLOROETHENE	MG/KG	400	200	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
TRICHLOROFLUOROMETHANE	MG/KG			4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
VINYL ACETATE	MG/KG			11.7 U	2.43 U	0.0119 U	0.0112 R	7.46 U	2.22 UJ	0.626 U	0.0124 U	0.0182 UJ	5.17 UJ	11.2 UJ	2.74 UJ	4.53 U	4.94 U	0.0123 U	3.72 U	5.93 U	2.34 U	0.0856 UJ	0.0117 U
VINYL CHLORIDE	MG/KG	27	13	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	0.0342 UJ	0.00466 U
XYLENES, TOTAL	MG/KG	1,000	500	4.66 U	0.971 U	0.00475 U	0.00447 U	2.98 U	0.888 U	0.25 U	0.00495 U	0.00729 UJ	2.07 U	4.47 U	1.1 U	1.81 U	1.98 U	0.00492 U	1.49 U	2.37 U	0.936 U	8.64 J	0.00466 U

Attachment E1 –Current Groundwater Concentrations

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

Table 1
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Area C
Former Buffalo Color Corporation

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

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

Table 1
Groundwater Data Summary
Area C
Former Buffalo Color Corporation

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

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

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

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

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

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

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

Notes:
Only those VOC/SVOCs detected during at least one sampling event shown.
J = estimated value below method reporting limit; B = compound found in blank and sample; H= analyzed outside of holding time

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

Attachment E2 – Post Remediation Baseline Groundwater Concentrations

Table 4
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2008
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	NYSDEC Values [5]	Sample ID: RFI-20-0108 Location: RFI-20 Date: 01/31/08	RFI-20-0408 RFI-20 04/24/08	RFI-20-0708 RFI-20 07/28/08	RFI-20-1008 RFI-20 10/15/08	RFI-21D-0108 RFI-21D 01/31/08	RFI-31-0108 RFI-31 02/05/08	RFI-31-0708 RFI-31 07/28/08	RFI-31-1008 RFI-31 10/15/08
VOCs										
1,1,1-Trichloroethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,1,2,2-Tetrachloroethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,1,2-Trichloroethane	ug/L	1	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,1,2-Trichlorotrifluoroethane	ug/L	5	80 U	250 U	80 U	200 UJ	1 U	8 U	8 U	25 UJ
1,1-Dichloroethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,1-Dichloroethene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,2,4-Trichlorobenzene	ug/L	5	80 U	250 U	80 U	**110** J	1 U	**62**	8 U	**580**
1,2-Dibromo-3-Chloropropane	ug/L	0.04	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,2-Dibromoethane	ug/L	0.0006	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,2-Dichlorobenzene	ug/L	3	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,2-Dichloroethane	ug/L	0.6	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,2-Dichloropropane	ug/L	1	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
1,3-Dichlorobenzene	ug/L	3	80 U	250 U	80 U	200 U	1 U	**34**	**110**	**110**
1,4-Dichlorobenzene	ug/L	3	80 U	250 U	80 U	200 U	0.68 J	**4.7** J	**13**	**14** J
2-Butanone	ug/L	50	400 U	1200 U	400 U	1000 U	5 U	40 U	40 U	120 U
2-Hexanone	ug/L	50	400 U	1200 U	400 U	1000 U	5 U	40 U	40 U	120 U
4-Methyl-2-Pentanone	ug/L		400 U	1200 U	400 U	1000 U	5 U	40 U	40 U	120 U
Acetone	ug/L	50	400 U	1200 U	400 U	1000 U	5 U	40 U	40 U	120 U
Benzene	ug/L	1	**4800**	**1200**	**430**	200 U	**7.4**	8 U	**11**	**9.7** J
Bromodichloromethane	ug/L	50	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Bromoform	ug/L	50	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Bromomethane	ug/L	5	80 U	250 U	80 UJ	200 UJ	1 U	8 U	8 UJ	25 UJ
Carbon Disulfide	ug/L	60	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Carbon Tetrachloride	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Chlorobenzene	ug/L	5	**21000**	**15000**	**9900**	**5300**	**21**	**89**	**660**	**560**
Chlorodibromomethane	ug/L	50	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Chloroethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Chloroform	ug/L	7	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Chloromethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
cis-1,2-Dichloroethene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
cis-1,3-Dichloropropene [1]	ug/L	0.4	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Cyclohexane	ug/L		80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Dichlorodifluoromethane	ug/L	5	80 U	250 U	80 UJ	200 U	1 U	8 U	8 UJ	25 U
Ethylbenzene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Isopropylbenzene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Methyl Acetate	ug/L		80 U	250 UJ	80 U	200 U	1 U	8 U	8 U	25 U
Methyl Tert-Butyl Ether	ug/L	10	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Methylcyclohexane	ug/L		80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Methylene Chloride	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Styrene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Tetrachloroethene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Toluene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Trans-1,2-Dichloroethene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Trans-1,3-Dichloropropene [1]	ug/L	0.4	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Trichloroethene	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Trichlorofluoromethane	ug/L	5	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Vinyl Chloride	ug/L	2	80 U	250 U	80 U	200 U	1 U	8 U	8 U	25 U
Xylenes, Total	ug/L	5	240 U	750 U	240 U	600 U	3 U	24 U	24 U	75 U

See notes at end of table

Produced by: WCG 11/20/09
Checked by: TLC 11/23/09

Table 4
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2008
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	Sample ID: / Location: / Date: NYSDEC Values [5]	RFI-20-0108 RFI-20 01/31/08	RFI-20-0408 RFI-20 04/24/08	RFI-20-0708 RFI-20 07/28/08	RFI-20-1008 RFI-20 10/15/08	RFI-21D-0108 RFI-21D 01/31/08	RFI-31-0108 RFI-31 02/05/08	RFI-31-0708 RFI-31 07/28/08	RFI-31-1008 RFI-31 10/15/08
SVOCs										
1,1'-Biphenyl	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
2,2'-Oxybis(1-Chloropropane)	ug/L	5	5 U	5 U	5 U	0.19 U	5 U	5 UJ	5 U	0.95 UJ
2,4,5-Trichlorophenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	1 J	1.1 J
2,4,6-Trichlorophenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 U
2,4-Dichlorophenol	ug/L	5	5 U	5 U	5 U	0.93	5 U	**6**	**6**	1.7
2,4-Dimethylphenol	ug/L	1	5 U	5 U	5 U	0.96 U	5 U	5 UJ	5 U	4.8 U
2,4-Dinitrophenol	ug/L	1	10 U	10 U	11 U	4.8 U	10 U	10 U	10 U	24 U
2,4-Dinitrotoluene	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
2,6-Dinitrotoluene	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
2-Chloronaphthalene	ug/L	10	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
2-Chlorophenol	ug/L		11	10	14	9.4	5 U	2 J	2 J	1.6 J
2-Methylnaphthalene	ug/L		5 U	5 U	5 UJ	0.19 U	5 U	5 U	5 UJ	0.95 UJ
2-Methylphenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 UJ	5 U	4.8 U
2-Nitroaniline	ug/L	5	10 U	10 U	11 U	4.8 U	10 U	10 U	10 U	24 UJ
2-Nitrophenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 U
3,3'-Dichlorobenzidine	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
3-Nitroaniline	ug/L	5	10 U	10 U	11 U	4.8 U	10 U	10 U	10 U	24 UJ
4,6-Dinitro-2-Methylphenol	ug/L		10 U	10 U	11 U	4.8 U	10 U	10 U	10 UJ	24 U
4-Bromophenyl Phenyl Ether	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 UJ	4.8 UJ
4-Chloro-3-Methylphenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 U
4-Chloroaniline	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
4-Chlorophenyl Phenyl Ether	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
4-Methylphenol	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 UJ	5 U	4.8 U
4-Nitroaniline	ug/L	5	10 U	10 U	11 U	4.8 U	10 U	10 U	10 U	24 UJ
4-Nitrophenol	ug/L		10 U	10 U	11 U	4.8 U	10 U	10 UJ	10 U	24 U
Acenaphthene	ug/L	20	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Acenaphthylene	ug/L		5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Acetophenone	ug/L		0.2 J	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Aniline	ug/L	5	**30**	2 J	11 U	0.96 U	10 U	10 UJ	10 U	4.8 UJ
Anthracene	ug/L	50	5 U	5 U	5 U	0.057 J	5 U	5 U	5 UJ	1.4 J
Atrazine	ug/L	7.5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Benzaldehyde	ug/L		R	5 U	5 U	0.96 U	R	R	5 U	4.8 UJ
Benzo(a)anthracene	ug/L	0.002	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Benzo(a)pyrene [2]	ug/L	0	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Benzo(b)fluoranthene	ug/L	0.002	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Benzo(g,h,i)perylene	ug/L		5 U	5 U	5 U	0.027 J	5 U	5 U	5 U	0.18 J
Benzo(k)fluoranthene	ug/L	0.002	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Bis(2-chloroethoxy)methane	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 UJ	5 U	4.8 UJ
Bis(2-chloroethyl)ether	ug/L	1	5 U	5 U	5 U	0.19 U	5 U	5 UJ	5 U	0.95 UJ
Bis(2-ethylhexyl)phthalate	ug/L	5	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Butylbenzyl Phthalate	ug/L	50	5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Caprolactam	ug/L		5 UJ	5 UJ	5 UJ	0.36 J	5 UJ	5 UJ	5 UJ	24 UJ
Carbazole	ug/L		5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Chrysene	ug/L	0.002	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Dibenzo(a,h)anthracene	ug/L		5 U	5 U	5 U	0.053 J	5 U	5 U	5 U	4.8 UJ
Dibenzofuran	ug/L		5 U	5 U	5 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Diethyl Phthalate	ug/L	50	5 U	5 U	5 U	0.19 U	5 U	3 J	4 J	0.95 UJ
Dimethyl Phthalate	ug/L	50	5 U	5 U	5 U	0.051 J	5 U	5 U	0.5 J	4.8 UJ
Di-n-Butyl Phthalate	ug/L	50	5 U	5 U	5 U	0.96 U	5 U	0.3 J	5 UJ	4.8 UJ
Di-n-Octyl Phthalate	ug/L	50	5 U	5 U	6 U	0.96 U	5 U	5 U	5 U	4.8 UJ
Fluoranthene	ug/L	50	5 U	5 U	5 U	0.19 U	5 U	5 U	5 UJ	0.95 UJ
Fluorene	ug/L	50	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Hexachlorobenzene	ug/L	0.04	5 U	5 U	5 U	0.19 U	5 U	5 U	5 UJ	0.95 UJ
Hexachlorobutadiene	ug/L	0.5	5 U	5 U	5 UJ	0.19 U	5 U	5 U	5 UJ	0.95 UJ
Hexachlorocyclopentadiene	ug/L	5	5 UJ	5 U	5 UJ	0.96 U	5 UJ	5 UJ	5 UJ	4.8 UJ
Hexachloroethane	ug/L	5	5 U	5 U	5 UJ	0.96 U	5 U	5 UJ	5 UJ	4.8 UJ
Indeno(1,2,3-cd)pyrene	ug/L	0.002	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ
Isophorone	ug/L	50	5 U	5 U	5 U	0.96 U	5 U	5 UJ	5 U	4.8 UJ
Naphthalene	ug/L	10	6	0.3 J	8 J	0.19 U	5 U	5	5 UJ	0.95 UJ
Nitrobenzene	ug/L	0.4	5 U	5 U	5 U	0.19 U	5 U	5 UJ	5 U	0.95 UJ
N-Nitroso-di-n-Propylamine	ug/L		5 U	5 U	5 U	0.19 U	5 U	5 UJ	5 U	0.95 UJ
N-Nitrosodiphenylamine	ug/L	50	5 U	5 U	5 U	0.19 U	5 U	5 U	5 UJ	0.95 UJ
Pentachlorophenol [3]	ug/L	1	10 U	10 U	11 U	0.96 U	10 U	10 U	10 UJ	4.8 U
Phenanthrene	ug/L	50	5 U	5 U	5 U	0.14 J	5 U	5 U	5 UJ	0.73 J
Phenol [3]	ug/L	1	5 U	**2** J	5 U	0.59	5 U	5 UJ	5 U	**1.6**
Pyrene	ug/L	50	5 U	5 U	5 U	0.19 U	5 U	5 U	5 U	0.95 UJ

See notes at end of table

Produced by: WCG 11/20/09
Checked by: TLC 11/23/09

Table 4
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2008
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	NYSDEC Values [5]	Sample ID: RFI-20-0108 Location: RFI-20 Date: 01/31/08	RFI-20-0408 RFI-20 04/24/08	RFI-20-0708 RFI-20 07/28/08	RFI-20-1008 RFI-20 10/15/08	RFI-21D-0108 RFI-21D 01/31/08	RFI-31-0108 RFI-31 02/05/08	RFI-31-0708 RFI-31 07/28/08	RFI-31-1008 RFI-31 10/15/08
Metals										
Aluminum	ug/L		330	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Antimony	ug/L	3	20 U	20 U	20 U	10 U	20 U	20 U	20 U	10 U
Arsenic	ug/L	25	10 U	10 U	10 U	5.1	10 U	10 U	10 U	2.8
Barium	ug/L	1000	18	19	19	19.5	340	38	44	44
Beryllium	ug/L	3	2 U	2 U	2 U	4 U	2 U	2 U	2 U	4 U
Cadmium	ug/L	5	1 U	1 U	1 U	5 U	1 U	1 U	1 U	5 U
Calcium	ug/L		405000	360000	399000	389000	76900	84000	165000	154000
Chromium	ug/L	50	4 U	4 U	4 U	1.6	4 U	12	6.5	3.9
Cobalt	ug/L		4 U	4 U	4 U	1.5	4 U	4 U	4 U	3.5
Copper	ug/L	200	10 U	10 U	10 U	25 U	10 U	10 U	10 U	25 U
Iron	ug/L	300	**2700**	**3400** J	**2600**	**2050**	50 U	**530**	**460**	**747**
Lead	ug/L	25	5 U	5 U	5 U	3 U	5 U	5 U	5 U	3 U
Magnesium	ug/L	35000	**165000**	**120000**	**140000**	**125000**	**59100**	16100	**39300**	**37300**
Manganese	ug/L	300	**1900**	**1600** J	**1700**	**1640**	3 U	**370**	**820**	**841**
Mercury	ug/L	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.016
Nickel	ug/L	100	10 U	10 U	10 U	3	10 U	23	21	27.6
Potassium	ug/L		3700	5700	6500	7320 J	5000	26800	34800	32500 J
Selenium	ug/L	10	15 U	15 U	15 U	5 U	15 U	15 U	15 U	5 U
Silver	ug/L	50	3 U	3 U	3 U	5 U	3 U	3 U	3 U	5 U
Sodium	ug/L	20000	**157000**	**131000**	**153000**	**144000**	**147000**	**2080000**	**2500000**	**2360000**
Thallium	ug/L	0.5	20 U	20 U	20 U	10 U	20 U	20 U	20 U	10 U
Vanadium	ug/L		5 U	5 U	5 U	4.5	5 U	5 U	5 U	3
Zinc	ug/L	2000	10 U	10 U	10 U	20 U	10 U	22	25	42
Additional Analyses										
Chloride	ug/L	250000	**364000**	216000	**305000** J	214000	225000	**2770000**	**2780000** J	**2960000**
Cyanide	ug/L	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ferrous Iron	ug/L		2500 J	2300 J			100 R	100 UJ		
Nitrogen, Nitrate-Nitrite	ug/L	10000		50 U	1300				110	
Nitrogen, Nitrate-Nitrite	ug/L	10000	50 U			100 U	50 U	500		280
Sulfate	ug/L	250000		**782000**	**1050000**				**854000**	
Sulfate	ug/L	250000				**1000000**				**851000**
Sulfate	ug/L	250000	**1210000**				154000	**918000**		
Sulfide	ug/L	50	1000 U				**28800** J	1000 U		
Sulfide	ug/L	50		1000 U	1000 U				1000 U	
Sulfide	ug/L	50				3000 U				3000 U
Total Recoverable Phenolics [3]	ug/L	1	10 U				10 U			
Total Recoverable Phenolics [3]	ug/L	1		10 U				**15**		

Notes:
(1) NYSDEC value of 0.4 ug/L is the standard for the sum of these substances
(2) The NYSDEC standard for benzo(a)pyrene is actually "ND" (non-detect), 0 is used for table compatibility
(3) NYSDEC value of 1 ug/L is the standard for the sum of these substances
(4) Units: ug/L = micrograms per liter
(5) New York State Department of Environmental Conservation, Technical and Operational Guidance Series
Ambient Water Quality Standards, Class GA, Table 1
Ambient Water Quality Guidance Values, Class GA, Table 1
Qualifiers: U = not detected; J = estimated value; UJ = non-detect reported, reporting limit qualified as estimated; R = data rejected during validation
Shaded value = exceedance of standard or guidance value

Produced by: WCG 11/20/09
Checked by: TLC 11/23/09

Table 5
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2009
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	NYSDEC Values [5]	Sample ID: PS-04-1109 Location: PS-04 Date: 11/19/2009	PS-05-1109 PS-05 11/17/2009	PS-06-1109 PS-06 11/17/2009	RFI-20-1109 RFI-20 11/19/2009	RFI-31-1109 RFI-31 11/19/2009	MW-C01-1109 TB-C01 11/18/2009	MW-C02-1109 TB-C02 11/19/2009	MW-C03-1109 TB-C03 11/19/2009
VOCs										
1,1,1-TRICHLOROETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,1,2,2-TETRACHLOROETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,1,2-TRICHLOROETHANE	ug/L	1	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,1-DICHLOROETHANE	ug/L	5	1 U	1 U	0.8 J	1 U	20 U	5 U	40 U	40 U
1,1-DICHLOROETHENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,2,4-TRICHLOROBENZENE	ug/L	5	1 U	1 U	1 U	**130**	**1200**	**24**	**5600**	**2700**
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.04	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,2-DIBROMOETHANE	ug/L	0.0006	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,2-DICHLOROBENZENE	ug/L	3	1 U	**5**	1 U	**11**	**8.6** J	5 U	**24000**	**26000**
1,2-DICHLOROETHANE	ug/L	0.6	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,2-DICHLOROPROPANE	ug/L	1	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
1,3-DICHLOROBENZENE	ug/L	3	1 U	1 U	1 U	1 U	**1600**	**6.8**	**190**	**240**
1,4-DICHLOROBENZENE	ug/L	3	1 U	0.76 J	1 U	2	**110**	2.8 J	**4900**	**5100**
2-BUTANONE	ug/L	50	5 U	5 U	5 U	5 U	100 U	25 U	200 U	200 U
2-HEXANONE	ug/L	50	5 U	5 U	5 U	5 U	100 U	25 U	200 U	200 U
4-METHYL-2-PENTANONE	ug/L		5 U	5 U	5 U	5 U	100 U	25 U	200 U	200 U
ACETONE	ug/L	50	5 U	5 U	5 U	5 UJ	100 U	25 UJ	200 UJ	410 UJ
BENZENE	ug/L	1	1 U	0.97 J	0.61 J	**7.6**	**9.6** J	5 U	**1000**	**860**
BROMODICHLOROMETHANE	ug/L	50	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
BROMOFORM	ug/L	50	1 UJ	1 U	1 U	1 U	20 UJ	5 U	40 U	40 U
BROMOMETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CARBON DISULFIDE	ug/L	60	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CARBON TETRACHLORIDE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CHLOROBENZENE	ug/L	5	0.81 J	**700**	1 U	**5900**	**830**	5 U	**75000**	**94000**
CHLORODIBROMOMETHANE	ug/L	50	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CHLOROETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CHLOROFORM	ug/L	7	1 U	1 U	1 U	1 U	20 U	5 U	40 U	**23** J
CHLOROMETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CIS-1,2-DICHLOROETHENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CIS-1,3-DICHLOROPROPENE [1]	ug/L	0.4	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
CYCLOHEXANE	ug/L		1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
DICHLORODIFLUOROMETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
ETHYLBENZENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
ISOPROPYLBENZENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
METHYL ACETATE	ug/L		1 UJ	1 U	1 U	1 UJ	20 UJ	5 UJ	40 UJ	40 UJ
METHYL TERT-BUTYL ETHER	ug/L	10	1 U	1 U	0.52 J	1 U	20 U	5 U	40 U	40 U
METHYLCYCLOHEXANE	ug/L		1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
METHYLENE CHLORIDE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
STYRENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
TETRACHLOROETHENE	ug/l	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
TOLUENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	**85**	**130**
TRANS-1,2-DICHLOROETHENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
TRANS-1,3-DICHLOROPROPENE [1]	ug/L	0.4	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
TRICHLOROETHENE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
TRICHLOROFLUOROMETHANE	ug/L	5	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
VINYL CHLORIDE	ug/L	2	1 U	1 U	1 U	1 U	20 U	5 U	40 U	40 U
XYLENES, TOTAL	ug/L	5	2 U	2 U	2 U	2 U	40 U	10 U	80 U	80 U

See notes at end of table

Produced by: KJC 02/15/10
Checked by: NCF 05/05/10

Table 5
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2009
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	NYSDEC Values [5]	Sample ID: PS-04-1109 Location: PS-04 Date: 11/19/2009	PS-05-1109 PS-05 11/17/2009	PS-06-1109 PS-06 11/17/2009	RFI-20-1109 RFI-20 11/19/2009	RFI-31-1109 RFI-31 11/19/2009	MW-C01-1109 TB-C01 11/18/2009	MW-C02-1109 TB-C02 11/19/2009	MW-C03-1109 TB-C03 11/19/2009
SVOCs										
1,1'-BIPHENYL	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	ug/L	5	5 U	3.9 U	20 U	4 U	4.4 U	4 U	4 U	20 U
2,4,5-TRICHLOROPHENOL	ug/L		6.2 U	4.9 UJ	25 U	5 U	1.5 J	5 U	3.7 J	25 U
2,4,6-TRICHLOROPHENOL	ug/L		6.2 U	4.9 UJ	25 U	5 U	5.5 U	5 U	430	440
2,4-DICHLOROPHENOL	ug/L	5	6.2 U	4.9 UJ	25 U	5 U	**7.9**	5 U	**430**	**1100** J
2,4-DIMETHYLPHENOL	ug/L	1	6.2 U	4.9 UJ	25 U	5 U	5.5 U	5 U	5 U	25 U
2,4-DINITROPHENOL	ug/L	1	12 U	9.8 UJ	50 U	9.9 U	11 U	10 U	10 U	50 U
2,4-DINITROTOLUENE	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	**190** J	25 U
2,6-DINITROTOLUENE	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	**73**	25 U
2-CHLORONAPHTHALENE	ug/L	10	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
2-CHLOROPHENOL	ug/L		6.2 U	2.9 J	25 U	5.4	1.6 J	5 U	280	360
2-METHYLNAPHTHALENE	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
2-METHYLPHENOL	ug/L		6.2 U	4.9 UJ	25 U	5 U	5.5 U	5 U	9.1	25 U
2-NITROANILINE	ug/L	5	12 U	9.8 U	50 U	9.9 U	11 U	10 U	**7.2** J	50 U
2-NITROPHENOL	ug/L		6.2 U	4.9 UJ	25 U	5 U	5.5 U	5 U	5 U	25 U
3,3'-DICHLOROBENZIDINE	ug/L	5	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
3-NITROANILINE	ug/L	5	12 U	9.8 U	50 U	9.9 U	11 U	10 U	**7.7** J	**27** J
4,6-DINITRO-2-METHYLPHENOL	ug/L		12 U	9.8 UJ	50 U	9.9 UJ	11 UJ	10 UJ	10 UJ	50 UJ
4-BROMOPHENYL PHENYL ETHER	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
4-CHLORO-3-METHYLPHENOL	ug/L		6.2 U	4.9 UJ	25 U	5 U	5.5 U	5 U	5 U	25 U
4-CHLOROANILINE	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
4-CHLOROPHENYL PHENYL ETHER	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
4-METHYLPHENOL	ug/L		12 UJ	9.8 UJ	50 U	9.9 UJ	11 UJ	10 UJ	10 UJ	50 UJ
4-NITROANILINE	ug/L	5	12 U	9.8 U	50 U	9.9 U	11 U	10 U	10 U	50 U
4-NITROPHENOL	ug/L		12 UJ	9.8 UJ	50 UJ	9.9 UJ	11 UJ	10 UJ	10 UJ	50 UJ
ACENAPHTHENE	ug/L	20	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	0.74 J	25 U
ACENAPHTHYLENE	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
ACETOPHENONE	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	9.5	17 J
ANILINE	ug/L	5	12 U	9.8 U	50 U	9.9 U	11 U	10 U	**270** J	**13000**
ANTHRACENE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
ATRAZINE	ug/L	7.5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BENZO(A)ANTHRACENE	ug/L	0.002	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BENZO(A)PYRENE [2]	ug/L	0	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BENZO(B)FLUORANTHENE	ug/L	0.002	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BENZO(G,H,I)PERYLENE	ug/L		6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BENZO(K)FLUORANTHENE	ug/L	0.002	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BIS(2-CHLOROETHOXY)METHANE	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BIS(2-CHLOROETHYL)ETHER	ug/L	1	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	5	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
BUTYLBENZYL PHTHALATE	ug/L	50	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
CAPROLACTAM	ug/L		6.2 UJ	4.9 UJ	25 UJ	5 UJ	5.5 UJ	5 UJ	5 UJ	25 UJ
CARBAZOLE	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	0.42 J	25 U
CHRYSENE	ug/L	0.002	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
DI-N-BUTYL PHTHALATE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	0.75 J	25 U
DI-N-OCTYL PHTHALATE	ug/L	50	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
DIBENZO(A,H)ANTHRACENE	ug/L		6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
DIBENZOFURAN	ug/L		12 U	9.8 U	50 U	9.9 U	11 U	10 U	10 U	50 U
DIETHYL PHTHALATE	ug/L	50	6.2 U	4.9 U	25 U	5 U	4 J	5 U	**67**	**83**
DIMETHYL PHTHALATE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5.2	25 U
ENDRIN ALDEHYDE	ug/L	5	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
FLUORANTHENE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
FLUORENE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
HEXACHLOROBENZENE	ug/L	0.04	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
HEXACHLOROBUTADIENE	ug/L	0.5	6.2 U	4.9 UJ	25 UJ	5 U	5.5 U	5 U	5 U	25 U
HEXACHLOROCYCLOPENTADIENE	ug/L	5	6.2 U	4.9 UJ	25 UJ	5 U	5.5 U	5 U	5 U	25 U
HEXACHLOROETHANE	ug/L	5	6.2 U	4.9 UJ	25 UJ	5 U	5.5 U	5 U	5 U	25 U
INDENO(1,2,3-CD)PYRENE	ug/L	0.002	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
ISOPHORONE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
N-NITROSO-DI-N-PROPYLAMINE	ug/L		6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
N-NITROSODIPHENYLAMINE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
NAPHTHALENE	ug/L	10	6.2 U	2 J	25 U	5	1.5 J	5 U	**140** J	**640**
NITROBENZENE	ug/L	0.4	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	**2000**	**2400**
PENTACHLOROPHENOL [3]	ug/L	1	12 U	9.8 UJ	50 U	9.9 U	11 U	10 U	10 U	50 U
PHENANTHRENE	ug/L	50	6.2 U	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U
PHENOL [3]	ug/L	1	6.2 UJ	4.9 UJ	25 UJ	5 UJ	0.47 J	5 UJ	**48** J	**1300** J
PYRENE	ug/L	50	6.2 UJ	4.9 U	25 U	5 U	5.5 U	5 U	5 U	25 U

See notes at end of table

Produced by: KJC 02/15/10
Checked by: NCF 05/05/10

Table 5
Area C Site Management Plan
Baseline Groundwater Monitoring Data - 2009
Former Buffalo Color Facility, Buffalo, NY

Parameter	Units [4]	NYSDEC Values [5]	Sample ID: PS-04-1109 Location: PS-04 Date: 11/19/2009	Sample ID: PS-05-1109 Location: PS-05 Date: 11/17/2009	Sample ID: PS-06-1109 Location: PS-06 Date: 11/17/2009	Sample ID: RFI-20-1109 Location: RFI-20 Date: 11/19/2009	Sample ID: RFI-31-1109 Location: RFI-31 Date: 11/19/2009	Sample ID: MW-C01-1109 Location: TB-C01 Date: 11/18/2009	Sample ID: MW-C02-1109 Location: TB-C02 Date: 11/19/2009	Sample ID: MW-C03-1109 Location: TB-C03 Date: 11/19/2009
Total Metals										
ARSENIC	ug/L	25	14	10 U	**983**	10 U	10 U	10 U	10 U	10 U
BARIUM	ug/l	1000	24.8	75.1	927	16.7	28.3	123	31.6	24.9
CADMIUM	ug/L	5	1 U	1 U	**30.8**	1 U	1 U	1 U	1 U	1 U
CHROMIUM	ug/L	50	4 U	4 U	**262**	4 U	5.4	4.8	4 U	27.7
LEAD	ug/L	25	5 U	5 U	**848**	5 U	5 U	5 U	5 U	5 U
MERCURY	ug/l	0.7	0.4	0.2 U	**9.4**	0.2 U	0.2 U	0.2 U	**7.1**	**1.1**
SELENIUM	ug/l	10	15 U	15 U	**35.3**	15 U	15 U	15 U	15 U	15 U
SILVER	ug/l	50	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Dissolved Metals										
ARSENIC	ug/L		13.1		106					
BARIUM	ug/l		23.6		19.2					
CADMIUM	ug/L		1 U		1 U					
CHROMIUM	ug/L		4 U		4 U					
LEAD	ug/L		5 U		5 U					
MERCURY	ug/l		0.2 U		0.2 U					
SELENIUM	ug/l		15 U		15 U					
SILVER	ug/l		3 U		3 U					
Additional Analyses										
AMMONIA (AS N)	mg/L	2	0.199			0.241	1.24	**2.32**	0.318	1.62
DISSOLVED OXYGEN	mg/L		2.71 J			2.37 J	4.08 J	6.97 J	6.56 J	4.87 J
NITRATE-NITRITE	mg/L	10	0.102			0.05 U	0.05 U	1.43	0.05 U	0.05 U
NITROGEN, KJELDAHL, TOTAL	mg/L		0.57			0.79	3.1	2.7	2.3	7.1
pH	S.U.		7.09 J			7.36 J	7.36 J	7.93 J	7.33 J	7 J
PHOSPHORUS	mg/L		0.0255			0.01 U	0.01 U	0.01 U	0.0386	0.0087 J
TOTAL ALKALINITY	mg/L		170 J			484 J	540 J	183 J	753 J	804 J

Notes:
(1) NYSDEC value of 0.4 ug/L is the standard for the sum of these substances
(2) The NYSDEC standard for benzo(a)pyrene is actually "ND" (non-detect), 0 is used for table compatibility
(3) NYSDEC value of 1 ug/L is the standard for the sum of these substances
(4) Units: ug/L = micrograms per liter; mg/L = milligrams per liter; S.U. = standard units
(5) New York State Department of Environmental Conservation, Technical and Operational Guidance Series
Ambient Water Quality Standards, Class GA, Table 1
Ambient Water Quality Guidance Values, Class GA, Table 1
Qualifiers: U = not detected; J = estimated value; UJ = non-detect reported, reporting limit qualified as estimated
Shaded value = exceedance of standard or guidance value

Produced by: KJC 02/15/10
Checked by: NCF 05/05/10

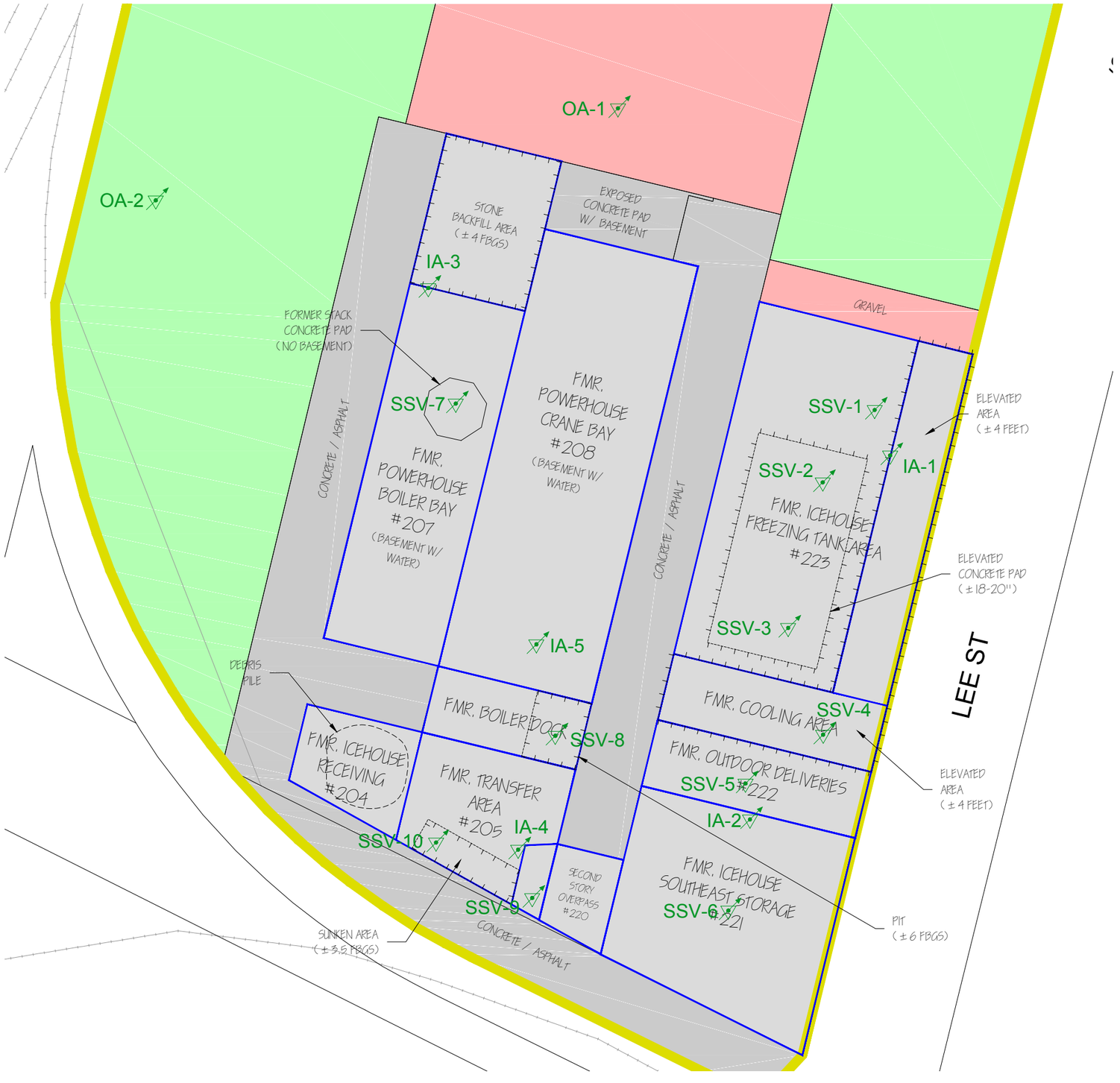
Attachment F – 2017 Indoor Air Investigation Report

LEGEND:

- AREA C PROPERTY BOUNDARY
- EXISTING BUILDING
- ROAD
- RAILROAD
- COVER SYSTEM - ASPHALT OR CONCRETE
- COVER SYSTEM - GRAVEL
- COVER SYSTEM - SOIL / GRASS
- SSV-1 SUBSLAB VAPOR LOCATION (10)
- IA-1 INDOOR AIR LOCATION (5)
- OA OUTDOOR AIR LOCATION (2, ONE PER DAY)

WIND DIRECTION:

- 05/15/2017, NORTHWESTERLY
- 05/16/2017, WESTERLY



N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: MAY 2017
DRAFTED BY: BCH

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: 0378-017-007

SOIL VAPOR SAMPLE LOCATIONS

SOIL VAPOR INTRUSION INVESTIGATION REPORT

140 LEE STREET SITE
BUFFALO, NEW YORK

PREPARED FOR

SOUTH BUFFALO DEVELOPMENT LLC

FIGURE 3

TABLE 1

SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS

Soil Vapor Investigation Report
140 Lee Street Site (C915231)
Buffalo, New York

Parameter	Sample Location & Sample Date																
	SSV-1 05/15/2017	SSV-2 05/15/2017	SSV-3 05/15/2017	SSV-4 05/15/2017	SSV-5 05/15/2017	SSV-6 05/15/2017	SSV-7 05/16/2017	SSV-8 05/16/2017	SSV-9 05/16/2017	SSV-10 05/16/2017	IA-1 (INDOOR) 05/15/2017	IA-2 (INDOOR) 05/15/2017	IA-3 (INDOOR) 05/16/2017	IA-4 (INDOOR) 05/16/2017	IA-5 (INDOOR) 05/16/2017	OA-1 (OUTDOOR) 05/15/2017	OA-2 (OUTDOOR) 05/16/2017
TO-15 Volatile Organic Compounds (VOCs) - ug/m ^{3}																	
1,1,1-Trichloroethane	ND	ND	ND	1.8	4.5	31	ND	ND	ND	2.9 J+	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.8	1.1	1.2	ND	1.3	1.2 J+	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane (Freon 114)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.54 J	ND	ND	0.59 J	0.64	0.49 J+	0.64 J+	0.88	ND	ND	0.59	ND	ND	ND	ND	ND	ND
1,3-butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-trimethylpentane	1	0.61 J	0.65 J	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND
4-ethyltoluene	ND	ND	ND	ND	ND	ND	0.98 J+	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND
Acetone	20	19	18	55	57	80	92	220	38	370	22	23	25	26	35	27	43
Allyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	3.9	1.9	2	11	8.9	2.1 J+	14	38	1.3	190	3.6	ND	ND	ND	ND	ND	ND
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	13	30	28	2.6 J+	1.2	1.4	21	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	2.4 J+	ND	ND	ND	ND	0.57	0.57	0.63	0.57	0.63	0.57	0.5
Chlorobenzene	17	3.4	1.2	ND	ND	ND	ND	ND	ND	ND	0.74	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	1.1	15	1.4 J+	ND	0.59 J	2 J+	ND	ND	ND	ND	ND	ND	ND
Chloromethane	1.4	1.5	1.6	ND	ND	ND	0.58 J+	1.1	ND	ND	1.8	2.3	1.5	1.5	2.7	2	1.4
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	0.89	0.76	0.86	29	27	85	150	59	3.8	450	0.69	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.8	2.8	2.8	2.9	2.7	2.6 J+	2.6 J+	2.7	2.7	2.6 J+	2.7	2.8	2.9	3.1	2.9	2.7	2.8
Ethyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.3	0.87	0.82	2.2	2.1	2.5 J+	4.7 J+	12	2.3	13	1.3	ND	ND	ND	ND	ND	ND
Heptane	1.5	1.1	0.82	53	24	23	220	420	7.1	490	0.9	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	2.1	1	1.2	71	50	42	93	81	4.4	960	1.8	ND	ND	ND	ND	ND	ND
Isopropyl alcohol	2.5	1.2	2.2	4.8	3.2	2.1 J+	ND	4.3	4.3	ND	1.9	3.4	1.6	2.5	2.2	3.2	2.3
m&p-Xylene	5.2	3.3	3.2	7.5	6.6	8.3 J+	15 J+	36	7.5	36	5.6	ND	ND	ND	0.52 J	ND	ND
Methyl Butyl Ketone	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J
Methyl Ethyl Ketone	1.1	0.88	1	5	9.1	4 J+	11	18	5.6	36	0.83	0.56 J	0.65 J	0.71 J	0.65 J	0.74	0.86 J
Methyl Isobutyl Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1.1	1.1	1.3	2	1.9	2.7 J+	1.8 J+	2.3	1.5	1.4 J+	0.45	0.63	0.56	0.45 J	0.8	0.52	0.56
o-Xylene	2	1.5	1.3	4	3.6	4.6 J+	7.9 J+	15	3.7	16	2	ND	ND	ND	ND	ND	ND
Propylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	3.5	2	1.6 J+	2.6 J+	ND	ND	1.6 J+	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	7.5	4.6	4.7	18	13	11	78	2000	13	220	14	0.57	0.57	0.98	0.83	0.64	0.68
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1

SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS

Soil Vapor Investigation Report
140 Lee Street Site (C915231)
Buffalo, New York

Parameter	Sample Location & Sample Date																
	SSV-1 05/15/2017	SSV-2 05/15/2017	SSV-3 05/15/2017	SSV-4 05/15/2017	SSV-5 05/15/2017	SSV-6 05/15/2017	SSV-7 05/16/2017	SSV-8 05/16/2017	SSV-9 05/16/2017	SSV-10 05/16/2017	IA-1 (INDOOR) 05/15/2017	IA-2 (INDOOR) 05/15/2017	IA-3 (INDOOR) 05/16/2017	IA-4 (INDOOR) 05/16/2017	IA-5 (INDOOR) 05/16/2017	OA-1 (OUTDOOR) 05/15/2017	OA-2 (OUTDOOR) 05/16/2017
TO-15 Volatile Organic Compounds (VOCs) - ug/m ^{3}																	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59	ND
Trichlorofluoromethane (Freon 11)	1.7	1.7	1.7	1.9	1.8	1.7 J+	2 J+	2.1	1.9	7.6	1.7	1.7	1.9	1.9	1.9	1.7	1.9
Vinyl acetate	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. ND = compound concentration below reporting limit.
2. J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
3. Data presented has been validated by a third party data validator; data and qualifiers modified by the validator are in RED.

Qualifiers
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J+ = The analyte was positively identified; due to elevated surrogate recoveries, the results for detected compounds derived from the initial analysis of samples SSV-6, SSV-7, and SSV-10 are qualified as estimated, with a possible high bias.
ND = The detections of chloromethane in samples SSV-4 and SSV-5 were edited to non-detction (ND) due to poor mass spectral quality.
ND J = The analyte was analyzed for, but was not detected. However, due to outlying recoveries and/or correlations in the associated Laboratory Conrol Samples (LCSs), the results for bromoform and methyl butyl ketone have been qualified as estimated.

Color Code:
= one of eight compounds regulated by the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006 / June 2007 / May 2017).

Attachment G – Basement Concrete Epoxy Specifications/Safety Data Sheet

BEHR PREMIUM Concrete & Garage 1 Part Epoxy Coating

- Interior/Exterior Satin Finish
- Self-Priming, No-Mix Formula
- Available in Custom Colors
- Resists Hot Tire Pick-Up
- Stain, Chemical & Weather Resistant

No. 900 White Base
No. 901 Silver Gray
No. 902 Slate Gray
No. 930 Deep Base

Spread Rate:
Rough 300-400 Sq. Ft.
Smooth 400-500 Sq. Ft.

Dry Time:
1 Hr. Dry to Touch.
4-6 Hr. Recoat

Clean-Up:
Soap & Water

Protect
from Freezing

CAUTION: Painted surfaces may become slippery when wet. Adding an anti-slip floor additive may help prevent slipping.

WHERE TO USE

Interior/Exterior surfaces such as: Porous Concrete, Masonry, Stone and Brick. Ideal for horizontal surfaces such as: Garage Floors, Driveways, Basement Floors, Porches and Pool Decks. DO NOT use on vertical surfaces or areas subject to hydrostatic pressure. NOT for industrial use or areas subject to forklifts.

PREPARATION † (Proper Surface Preparation is Required.)

- All surfaces must be clean, sound, dry and free of any dirt, oil and grease.

New and Uncoated Concrete or Masonry Surfaces:

- Allow new surfaces to cure 30 days.
- Clean and etch surface using a product such as a muriatic acid etcher (read and follow all manufacturer's label directions) to achieve a textured profile similar to 150 grit sandpaper.
- Wipe your fingers over the clean, dry floor to check for dust or powder. Ensure there is no residue on your fingers that may have been left from the etcher. If residue is found, rinse the surface to remove residue. Allow the surface to dry completely. Sprinkle a few drops of water onto the surface. If water is quickly absorbed and the surface feels like 150 grit sandpaper, the surface is ready. If not, re-etch.
- Apply a Primer Coat: Apply 1 coat of BEHR PREMIUM Concrete & Garage 1 Part Epoxy Coating, or a product such as BEHR PREMIUM No. 880 Concrete & Masonry Bonding Primer to increase adhesion of topcoat to the surface.

Painted, Stained or Sealed Concrete:

- For a painted surface in sound condition, use a product to clean and prepare the surface.
- If the coating is failing or peeling, use a paint stripper to remove old coating or scrape/sand down to a sound concrete surface.
- Scuff sand glossy surfaces.
- Clean and spot etch any exposed concrete. Remove all dust with a damp cloth, allow to dry.
- Spot prime all bare concrete areas with BEHR PREMIUM Concrete & Garage 1 Part Epoxy Coating or with a product such as BEHR PREMIUM No. 880 Concrete & Masonry Bonding Primer to increase adhesion of topcoat to the surface.

APPLICATION

- DO NOT THIN.
- Intermix all cans of same product to ensure color uniformity.
- Stir before and occasionally during application. Use product when air and surface temperatures are between 50-90° F (10-32° C).
- Apply to dry concrete. Do not apply if rain or heavy dew is expected within 24 hours.
- Apply a thin, even coat using a 3/8" nap roller cover, nylon/polyester brush or an airless sprayer (.015"-.021" spray tip, 60 mesh filter).
- Allow first coat to dry before deciding if a second coat is necessary.
- For uniformity apply second coat in a criss-cross pattern.
- An annual touch-up may be required in areas subject to tire traffic.

DRY TIME

- Longer dry time required in cooler temperatures and in higher humidity.
- The floor may be subjected to light foot traffic after 24 hours.
- Allow 72 hours before subjecting surface to heavy foot traffic or repositioning furniture.
- Allow 7 days before subjecting to automotive tires.
- Premature heavy traffic will cause paint failure requiring spot recoating.
- If necessary, corrugated cardboard may be used underneath automobile tires after 72 hours.
- Wait at least 30 days before rinsing or cleaning. Use a mild detergent as needed.
- Abrasive cleaners and pressure-washers should be used carefully to avoid premature paint failure.

DISPOSAL

- Properly dispose of all soiled rags.
- To recycle or properly dispose of product in your community, contact your household refuse collection service.

LIMITED WARRANTY

Visit behr.com/warranty or call 1-800-854-0133 Ext. 2 for more information.

† WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Center at 1-800-424-LEAD or log on to www.epa.gov/lead

⚠ WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

WARNING! CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CONTAINS: CRYSTALLINE SILICA AND TITANIUM DIOXIDE. Avoid contact with skin and eyes and avoid breathing vapors, spray mist and sanding dust. Sanding, grinding or abrading may release sanding dust, which may be harmful if inhaled and has been shown to cause lung damage or cancer with long term exposure. Do not breathe dusts, vapor, or spray mist. To avoid breathing in dust, vapors, and spray mist, open windows and doors or use other means to ensure fresh air entry during application, drying, sanding, and/or abrading. If properly used, a respirator (NIOSH approved with particulate pre-filter) may offer additional protection and should be used if adequate ventilation cannot be provided; obtain professional advice before using. If you experience eye watering, headaches, or dizziness during application or drying, increase fresh air or leave the area. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experience, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 20 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

KEEP OUT OF REACH OF CHILDREN – DO NOT TAKE INTERNALLY.

BEHR
A Masco Company

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V.O.C. (C.O.V.) <50 g/L • REV. 02/19

SAFETY DATA SHEET

1. Identification

Product identifier **BEHR PREMIUM Interior/Exterior Concrete & Garage Self-Priming 1-Part Epoxy - Slate Gray**

Other means of identification

Product number 902

Recommended use Architectural Coating

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier Behr Process Corp.
1801 E. St. Andrew Place
Santa Ana, CA 92705

Telephone 714-545-7101

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Access code 335213

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Barium sulfate	7727-43-7	1 - 5
Titanium dioxide	13463-67-7	1 - 5
Carbon black	1333-86-4	0.1 - 1

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Barium sulfate (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Barium sulfate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Barium sulfate (CAS 7727-43-7)	TWA	5 mg/m3	Inhalable fraction.
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Barium sulfate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m3	

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Gray.

Odor	Slight.
Odor threshold	Not available.
pH	7 - 10
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 99 °F (> 37.2 °C)
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.18
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	50 - 140 KU (25 °C)
Other information	
Density	9.79 lb/gal
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
VOC	16 (including water)(Material) 48 (excluding water)(Coating)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Barium sulfate (CAS 7727-43-7)		
Acute		
Oral		
LD50	Rat	307 g/kg
Carbon black (CAS 1333-86-4)		
Acute		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Oral		
LD50	Rat	> 8000 mg/kg
Titanium dioxide (CAS 13463-67-7)		
Acute		
Inhalation		
LC50	Rat	3.43 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Inhalation of carbon black or titanium dioxide dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Carbon black (CAS 1333-86-4)	Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous.

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator.

Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Barium sulfate (CAS 7727-43-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Contains component(s) regulated under the Safe Drinking Water Act.

US state regulations

US. Massachusetts RTK - Substance List

Barium sulfate (CAS 7727-43-7)
Carbon black (CAS 1333-86-4)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Barium sulfate (CAS 7727-43-7)
Carbon black (CAS 1333-86-4)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Barium sulfate (CAS 7727-43-7)
Carbon black (CAS 1333-86-4)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Barium sulfate (CAS 7727-43-7)
Carbon black (CAS 1333-86-4)
Titanium dioxide (CAS 13463-67-7)

16. Other information, including date of preparation or last revision

Issue date	06-December-2019
Revision date	-
Version #	01
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0
List of abbreviations	LD50: Lethal Dose, 50%. DOT: Department of Transportation (49 CFR 172.101). IATA: International Air Transport Association. IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. IMDG Code: International Maritime Dangerous Goods Code. MARPOL: International Convention for the Prevention of Pollution from Ships.
References	HSDB® - Hazardous Substances Data Bank
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